

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%₀Ps 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.

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

PiC-PiPμCḡC,PμPSP·C-C—: P»PμPiPePsPjCf, PiPsPjC-CḡPSPsPjCf C,P° C,CḡPḡPḡPePsPjCf;
P·PSPḡPḡPμPSPSCḡ CḡPḡCḡC,PsP»C-CḡPSPsPiPs C,P° PrC-P°CḡC,PsP»C-CḡPSPsPiPs
P°CḡC,PμCḡC-P°P»CHḡPSPsPiPs C,PḡCḡPeCf CḡPiPsCḡC,PμCḡC-PiP°C”C,CHḡCḡCḡ CḡPe Cḡ
PiPsP»PsPḡPμPSPSC- PiP°CḡC-C”PSC,P° P»PμPḡP°CḡPḡ, C,P°Pe C- Cḡ PiPsP»PsPḡPμPSPSC-
CḡC,PsCḡCḡPḡ.

PμPμCḡPḡPSPPrPsPiCḡPḡP» P·PjPμPSCḡCḡC” PsPiC-Cḡ PiPμCḡPḡC,,PμCḡPḡCḡPSPḡC...
CḡCḡPrPḡPS, C%Ps PiCḡPḡP·PiPsPrPḡC,CHḡ P·PSPḡPḡPμPSPSCḡ P°CḡC,PμCḡC-P°P»CHḡPSPsPiPs
C,PḡCḡPeCf. P’PSP°CḡP»C-PrPsPe CḡCHḡPsPiPs P·PḡC-P»CHḡCḡCḡC”C,CHḡCḡCḡ
PiPμCḡPḡC,,PμCḡPḡCḡPSPḡPḡ PeCḡPsPiPsC,C-Pe PḡPμP· PiPiP»PḡPICḡ PSP° CḡP°CḡC,PsC,Cḡ
CḡPμCḡCḡPμPiPḡC... CḡPePsCḡPsCḡPμPSCḡ.

PiPe PiCḡP°PiPḡP»Ps, P·PḡC-P»CHḡCḡCḡC”C,CHḡCḡCḡ C- PSPḡCḡPePsPiPḡPḡ
PeCḡPsPiPsC,C-Pe, C,PsPrC- CḡPe CḡPiPḡPrPeC-CḡC,CHḡ PeP»CḡPḡPsCḡPePsPiPsC—
C,,C-P»CHḡC,CḡP°CḡC-C— (PḡPḡPḡ) P·P°P·PiPḡCḡP°Pḡ PSPμ P·PjC-PSCḡC”C,CHḡCḡCḡ.

PḡP°PeCḡPḡPjP°P»CHḡPSPḡPḡ P°PSC,PḡPiC-PiPμCḡC,PμPSP·PḡPiPSPḡPḡ PμC,,PμPeC,
CḡPsP·PiPḡPiP°C”C,CHḡCḡCḡ CḡPμCḡPμP· 4bḡ”6 PiPsPrPḡPS PiC-CḡP»Cḡ
PsPrPSPsPeCḡP°C,PSPsPiPs PiCḡPḡPḡPsPjCf C,P° P·PḡPμCḡC-PiP°C”C,CHḡCḡCḡ
C%PsPSP°PḡPjPμPSCḡPμ 24 PiPsPrPḡPSPḡ: CḡPiC-PiPiC-PrPSPsCḡPμPSPSCḡ Pḡ/P
(PμC,,PμPeC,PḡPiPSC-CḡC,CHḡ PiPμCḡPμPr PiCḡPḡPḡPsPjPsPj PSP°CḡC,CḡPiPSPsC—
PrPsP·Pḡ/PjP°PeCḡPḡPjP°P»CHḡPSP° PμC,,PμPeC,PḡPiPSC-CḡC,CHḡ) PiPμCḡPḡPSPPrPsPiCḡPḡP»Cḡ
CḡC,P°PSPsPiPḡC,CHḡ 87bḡ”100 %.

PḡCḡC,PμCḡC-P°P»CHḡPSPḡPḡ C,PḡCḡPe P·PSPḡPḡCḡC”C,CHḡCḡCḡ CḡPiPḡPrPePs. Pj
PiP°CḡC-C”PSC,C-PI, CḡPeC- PiC-PrPiPsPiC-P»Pḡ PSP° P»C-PeCḡPiP°PSPSCḡ,
PSPsCḡPjP°P»C-P·P°CḡC-Cḡ P°CḡC,PμCḡC-P°P»CHḡPSPsPiPs C,PḡCḡPeCf
PiC-PrPḡCḡPiP°C”C,CHḡCḡCḡ PiCḡPsC,CḡPiPsPj PjC-CḡCḡCḡCḡ C,P°
P·PḡPμCḡC-PiP°C”C,CHḡCḡCḡ PḡPμP· PiPḡPSPḡPePSPμPSPSCḡ C,P°C...C-C,,C-P»P°PeCḡC-C—.

Pj CḡP°P·C- PiCḡPḡPiPḡPSPμPSPSCḡ P·P°CḡC,PsCḡCḡPiP°PSPSCḡ PiPμCḡPḡPSPPrPsPiCḡPḡP»Cḡ
PμC,,PμPeC,Cḡ PiC-PrPjC-PSPḡ PSPμ PiPḡPSPḡPeP°C”.

PμPμCḡPḡPSPPrPsPiCḡPḡP» P·PjPμPSCḡCḡC” PiC-PiPμCḡC,CḡPsC,,C-Cḡ P»C-PiPsPiPs
CḡP»CḡPSPsCḡPeP°.

PḡP»C-PSC-CḡPSC- PrPsCḡP»C-PrPḡPμPSPSCḡ PrPsPiPμP»Pḡ, C%Ps PiPμCḡPḡPSPPrPsPiCḡPḡP»
PjP°C” CḡCḡPrPḡPSPsCḡPsP·CḡPḡCḡPiP°P»CHḡPSC- PiP»P°CḡC,PḡPiPsCḡC,C-. P’C-PS
PiPsPeCḡP°C%CḡC” PμP»P°CḡC,PḡCḡPSC-CḡC,CHḡ PiPμP»PḡPePḡC... P°CḡC,PμCḡC-Pḡ C,P°
P·PjPμPSCḡCḡC” CḡPiC-PiPiC-PrPSPsCḡPμPSPSCḡ C,PsPiC%PḡPSPḡ CḡC,C-PSPḡPḡ PrPs
PiCḡPsCḡPiC-C,Cḡ CḡCḡPrPḡPSPḡ Cḡ PjP°P»PḡC... P°CḡC,PμCḡC-Pḡ.

P—P°PiPsPḡC-PiP°PSPSCḡ CḡPμCḡCḡPμPiPs-CḡCḡPrPḡPSPSPḡPj CḡCḡPeP»P°PrPSPμPSPSCḡPj
Cḡ PiP°CḡC-C”PSC,C-PI P· PrPsPeCḡPjPμPSC,PsPiP°PSPsCḡ CḡC,P°PḡC-P»CHḡPSPsCḡ
C-CḡPμPjC-CḡPSPsCḡ C...PiPsCḡPsPḡPsCḡ CḡPμCḡCḡCḡ (PḡPiPḡ)

EUROPA bḡ” CḡPμ PjC-PḡPSP°CḡPsPrPSPμ PjCḡP»CHḡC,PḡCḡPμPSC,CḡPsPiPμ
CḡP°PSPPrPsPjC-P·PsPiP°PSPμ PiPsPrPiC-PḡPSPs CḡP»C-PiPμ
PiP»P°CḡPμPḡPsPePsPSC,CḡPsP»CHḡPsPiP°PSPμ PeP»C-PSC-CḡPSPμ PrPsCḡP»C-PrPḡPμPSPSCḡ,
CḡPePμ C,CḡPḡPiP°P»Ps 4 CḡPsPePḡ. 12218 PrPsCḡPsCḡP»PḡC... PiP°CḡC-C”PSC,C-PI PḡCḡPḡPḡPjP°P»Pḡ
CḡP°PSPPrPsPjC-P·PsPiP°PSC- Cḡ PiCḡCḡPiPḡ: 6110 PiP°CḡC-C”PSC,C-PI PiCḡPḡPḡPjP°P»Pḡ
8 PjPi PiPμCḡPḡPSPPrPsPiCḡPḡP»Cḡ C,PμCḡC,PḡCḡC,PḡP»P°PjC-PSCḡ (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_rPsP\dot{I}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\dot{+}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\dot{+}P_{\mu}P\pm Ps. P_j PrPsC\dot{I}P \gg C-PrP\P_{\mu}PSPSC-P\pm C\ddot{H}P^{\circ}P \gg P\ddot{e} C_rC\dot{+}P^{\circ}C\dot{I}C, CH \Pi P^{\circ}C\dot{+}C-C''PSC, P\ddot{e} P \cdot \Pi C-PrC, PIP_{\mu}C\ddot{H}PrP\P_{\mu}PSPsC\ddot{H} C-C\epsilon P_{\mu}P_jC-C\dot{+}PSPsC\ddot{H} C... PIPsC\ddot{H}PsP\pm PsC\ddot{H} C\dot{I}P_{\mu}C\ddot{H}C\dot{+}C\dot{I} C, P^{\circ} P\pm P_{\mu}P \cdot PeP \gg C-PSC-C\dot{+}PSPs \Pi C-PrC, PIP_{\mu}C\ddot{H}PrP\P_{\mu}PSPsC- C\dot{I}P_{\mu}C\ddot{H}C\dot{+}P_{\mu}PIPsC- PSP_{\mu}PrPsC\dot{I}C, P^{\circ}C, PSPsC\dot{I}C, C-. P-P^{\circ}\Pi P^{\circ}P \gg PsP_j 90 \% \Pi P^{\circ}C\dot{+}C-C''PSC, C-PI \Pi P_{\mu}C\ddot{H}P_{\mu}PSP_{\mu}C\dot{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\dot{+}C-C\ddot{H} P \cdot C\ddot{H}P_{\mu}PIP^{\circ}C\dot{I}PeC_rP \gg C\dot{I}C\ddot{H}P\ddot{e}P \cdot P^{\circ}C\dot{+}C-C-. P^{\circ}C-P \gg CHC\epsilon C-C\dot{I}C, CH \Pi P^{\circ}C\dot{+}C-C''PSC, C-PI C_r PrPsC\dot{I}P \gg C-PrP\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_rPsP\dot{I}C\ddot{H}P\ddot{e}P \gg PSP^{\circ} PrPsPrP^{\circ}C, PsPe PrPs C\dot{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\dot{+}PSP\ddot{e}P_jP\ddot{e} P \gg C-PeP^{\circ}C\ddot{H}C\dot{I}CHPeP\ddot{e}P_jP\ddot{e} P \cdot P^{\circ}C\dot{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}.$

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

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

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

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

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

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

- 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-PIPSĬ 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°PSPPrPsPjC-P·PsPIP°PSPsPjCr PîPsPrPIC-PNëPSPs CÍP»C-PîPsPjCr PîP»P°C†PµP±PsPePsPSC,CĤPsP»CHPSPPIP°PSPsPjCr PrPsCÍP»C-PrP¶PµPSPSC- P· CrC‡P°CÍC,CĤ 1997 PîP°C†C-C”PSC,C-PI BĤ”B CAMELOT (PµPsCĤC-PIPSĬPSPSCĬ 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°PSPPrP°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 СГГPμPIP°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...
СГГPμP·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 (%)	PḡPjP»PsPrPēPīC-PS	PμP»P°C†PμP±Ps	P·PSP°P»P°PīCГГPēP»	P’C-PrPSPsCГГPSPēPNeCГ- CГPēP·PēPe (95 % P”P†)	P·PSP°C‡PμPSPSCЦ
P PμP·CГP»CHC,P°C,Pē					
PμPμCГГPIPēPSPSP° PeC-PSC†PμPIP° C,PsC‡PeP° PḡPμP±P°P¶P°PSC- PeP°СГГPrC-PsPIP°CГPeCГP»CЦCГГPSC- PīPsPrC-C—	110 (16,6)	151 (23,1)	136 (20,0)	0,69 (0,54BГ”0,88)	0,003
PḡPeCГГPμPjC- CГГPeP»P°PrPsPIC- РлPsCГГPsPSP°СГГPSP° СГГPμPIP°CГГPeCГP»CЦCГГPēP·P°C†C-CЦ	78 (11,8)	103 (15,7)	95 (14,1)	0,73 (0,54BГ”0,98)	0,03
P”PsCГГPīC-C,P°P»C-P·P°C†C-C— P· PīCГГPēPīPsPrCГ CГГC,РμPSPsPeP°СГГPrC-C—	51 (17,7)	84 (12,8)	86 (12,8)	0,58 (0,41BГ”0,82)	0,002
PḡPμP»PμC,P°P»CHPSPēPNe C-PSC,,P°СГГPeC, PjC-PsPeP°СГГPrP°	14 (2,1)	19 (2,9)	11 (1,6)	0,73 (0,37-1,46)	0,37
P†PSCГГCГP»CHC, P°P±Ps C,СГГP°PSP·PēC,PsCГГPSP° C-CēPμPjC-C‡PSP° P°C,P°PeP°	6 (0,9)	12 (1,8)	8 (1,2)	0,50 (0,19BГ”1,32)	0,15
PлP°СГГPrC-PsPIP°CГГPeCГP»CЦCГГPSP° P»PμC,P°P»CHPSC-CГГC,CH	5 (0,8)	2 (0,3)	5 (0,7)	2,46 (0,48BГ”12,7)	0,27
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»CHCēPēPj P·P°PīCГГCГPePsPj	3 (0,5)	5 (0,8)	4 (0,6)	0,59 (0,14BГ”2,47)	0,46
PJFīPμCГГCēPμ PIPēCЦPIP»PμPSC- P·P°C...PīPsCГГCГPIP°PSPSCЦ PīPμCГГPēC,,PμCГГPēC‡PSPēC... CГГCГPrPēPS	0	4 (0,6)	1 (0,1)	-	0,04
PJFīPμCГГCēPμ PIPēCЦPIP»PμPSC- P·P°C...PīPsCГГCГPIP°PSPSCЦ PīPμCГГPēC,,PμCГГPēC‡PSPēC... CГГCГPrPēPS	5 (0,8)	2 (0,3)	8 (1,2)	2,6 (0,5BГ”13,4)	0,24

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

P”PsCГГP»C-PrP¶PμPSPSCЦ PīPμPjPsPrPēPSP°PjC-PePē C,P° PeP»C-PSC-C‡PSC-
PrPsCГГP»C-PrP¶PμPSPSCЦ P· PePsPSC,СГГPsP»PμPj PSP°PIP°PSC,P°P¶PμPSPSCЦ P·
CГГC‡P°CГГC,CH PīP°C†C-C”PSC,C-PI C-P· CГГPμCГГC†PμPīPsCГ PSPμPrPsCГГC,P°C,PSC-CГГC,CH
C,,CГГPSPeC†C-PsPSP°P»CHPSPsPīPs PeP»P°CГГCГ IIБГ”IV P·P° PeP»P°CГГPēC,,C-PeP°C†C-C”CH
NYHA (PḡCHCH-P™ PsCГГPeCГГCHPeP° PeP°СГГPrC-PsP»PsPīC-C‡PSP° P°CГГPsC†C-P°C†C-CЦ)
PīPsPeP°P·P°P»Pē, C%Ps P°PjP»PsPrPēPīC-PS PSPμ PīCГГPēP·PīPsPrPēPI PeP»C-PSC-C‡PSPsPīPs
PīPsPīC-CГГCēPμPSPSCЦ P·P° СГГPμP·CГP»CHC,P°C,P°PjPē PīPsPeP°P·PSPēPeC-PI
PīPμCГГPμPSPsCГГPēPjPsCГГC,C- C,,C-P·PēC‡PSPēC... PSP°PIP°PSC,P°P¶PμPSCH,
C,,СГГP°PeC†C-C”CH PIPēPePēPrCГ P»C-PīPsPīPs CēP»CГГPSPsC‡PeP° C,P° PeP»C-PSC-C‡PSPsCH
CГГPēPjPīC,PsPjP°C,PēPePsCH.

PḡPμC,PsCH PīP»P°C†PμP±PsPePsPSC,СГГPsP»CHPSPPIP°PSPsPīPs PrPsCГГP»C-PrP¶PμPSPSCЦ
PRAISE P±CГP»P° PsC†C-PSPeP° PIPīP»PēPICГ P°PjP»PsPrPēPīC-PSCГ PSP° PīP°C†C-C”PSC,C-PI
C-P· CГГPμCГГC†PμPīPsCГ PSPμPrPsCГГC,P°C,PSC-CГГC,CH C,,CГГPSPeC†C-PsPSP°P»CHPSPsPīPs
PeP»P°CГГCГ IIIБГ”IV NYHA, CЦPeC- PīCГГPēPNePjP°P»Pē PrPēPīPsPeCГГPēPS,
PrC-CГГCГPμC,PēPePē C,P° C-PSPīC-P±C-C,PsCГГPē PḡPμPḡ. P”PsCГГP»C-PrP¶PμPSPSCЦ
PīPsPeP°P·P°P»Ps, C%Ps P·P°CГГC,PsCГГCГPIP°PSPSCЦ P°PjP»PsPrPēPīC-PSCГ PSPμ
PīC-PrPIPēC%CГC” СГГPēP·PēPeCГ P»PμC,P°P»CHPSPsCГГC,C- P°P±Ps СГГPēP·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»CHBPSP°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,Cḡ 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° PíC-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 PíC-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»CHCḡC-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 PíC-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»CHC, 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 %), PíC-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-PIPSCĬPSPs 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°CĬIPSC-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-PIPSCĬ
 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-PIPSCĬC,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, PëCfPëCf, PïPsCfC-PIPSCfPSPs P· C, PµCfP°PïC-C"Ch P°C, PµPSPsP»PsP»PsPj Cí
 PëPsPjP±C-PSP°C†C-C— P· PrC-CfCfPµC, PëPePsPj P±PµPSPrCfPSC,, P»CfPjPµC, C-P°P·PëPrPsPj,
 C%Ps PrPsPrP°PIP°P»Pë Cí CfP°P·C- PSPµPsP±C...C-PrPSPsCfC, C- P·PSPëP¶PµPSPSCfC
 C, PëCfPëCf.

PJ PeC-PSC†C- PrPsCfP»C-PrP¶PµPSPSCfC P±C-P»CHC€C-CfC, Ch PïP°C†C-C"PSC, C-PI (78 %, 14974 P· 19242) PsC, CfPëPjCfPIP°P»Pë C%PsPSP°PñPjPµPSC€Pµ PrPIP°
 P°PSC, PëPiC-PïPµCfC, PµPSP·PëPIPSC- P·P°CfPsP±Pë C- P»PëC€Pµ 15 % (1401 P· 9634) C, P° 9 % (857 P· 9608) PsC, CfPëPjCfPIP°P»Pë PjPsPSPsC, PµCfP°PïC-Ch P°PjP»PsPrPëPiC-PSPsPj C, P°
 P°C, PµPSPsP»PsP»PsPj PIC-PrPiPsPIC-PrPSPs.

P"PsCfP»C-PrP¶PµPSPSCfC P±CfP»Ps PrPsCfC, CfPsPePsPIPs PïCfPëPïPëPSPµPSPs PI
 CfPµCfPµPrPSCfPsPjCf C±PµCfPµP· 5,5 CfPsPeCf CfPïPsCfC, PµCfPµP¶PµPSCfC P·P°
 CfC-C€PµPSPSCfC P P°PrPë P· PjPsPSC-C, PsCfPëPSPiCf PrP°PSPëC... P· P±PµP·PïPµPePë (Data Safety Monitoring Board бf" DSMB), PsCfPeC-P»CHPePë CfPïPsCfC, PµCfC-PiP°P»P°CfCfC
 P·PSP°C±PSPs PIPëC%P° P»PµC, P°P»CHPSC-CfC, Ch Cí PiCfCfPiC-, PrPµ
 P·P°CfC, PsCfPsPICfPIP°P»P°CfCh C, PµCfP°PïC-Cf PSP° PsCfPSPsPIC- P°C, PµPSPsP»PsP»Cf,
 PïPsCfC-PIPSCfPSPs P· PiCfCfPiPsCh P·P°CfC, PsCfCfPIP°PSPSCfC P°PjP»PsPrPëPiC-PSCf.

P—P° CfPµP·CfP»CHC, P°C, P°PjPë PrPsCfP»C-PrP¶PµPSPSCfC PIC-PrP·PSP°C±P°P»PsCfCfC
 PSPµPrPsCfC, PsPIC-CfPSPµ P·PSPëP¶PµPSPSCfC PïPµCfPIPëPSPSPsC— PeC-PSC†PµPIPsC—
 C, PsC±PePë, C%Ps CfPeP»P°PrP°P»P°CfCfC P· PSPµP»PµC, P°P»CHPSPsPiPs C-PSC,, P°CfPeC, Cí
 PjC-PsPeP°CfPrP° (PIPeP»ChC±P°ChC±Pë P±PµP·CfPëPjPiC, PsPjPSPëPñ C-PSC,, P°CfPeC,
 PjC-PsPeP°CfPrP°) C, P° P»PµC, P°P»CHPSPëC... CíCfPeP»P°PrPSPµPSCfC C-C€PµPjC-C±PSPsC—
 C...PIPsCfPsP±Pë CfPµCfC†CfC (P†P¶PŸ), PSP° 10 % Cí PiCfCfPiC- PïP°C†C-C"PSC, C-PI,
 CfPeC- P·P°CfC, PsCfPsPICfPIP°P»Pë PePsPjP±C-PSP°C†C-Cf
 P°PjP»PsPrPëPiC-PS/PïPµCfPëPSPrPsPiCfPëP», PïPsCfC-PIPSCfPSPs P· PiCfCfPiPsCh
 P°C, PµPSPsP»PsP»/P±PµPSPrCfPSC,, P»CfPjPµC, C-P°P·PëPr. PhPrPSP°Pe
 CfPïPsCfC, PµCfC-PiP°P»PsCfCfC PrPsCfC, PsPIC-CfPSPµ P·PSPëP¶PµPSPSCfC PICfC-C...
 PïPsPeP°P·PSPëPeC-PI PIC, PsCfPëPSPSPëC... PeC-PSC†PµPIPëC... C, PsC±PsPe (P·P°
 PIPëPSCfC, PePsPj P»PµC, P°P»CHPSPsC— C, P° PSPµP»PµC, P°P»CHPSPsC—
 CfPµCfC†PµPIPsC— PSPµPrPsCfC, P°C, PSPsCfC, C-) Cí PiCfCfPiC- PïP°C†C-C"PSC, C-PI,
 CfPeC- PsC, CfPëPjCfPIP°P»Pë P°PjP»PsPrPëPiC-PS/PïPµCfPëPSPrPsPiCfPëP».

РлC-PSC†PµPIC- C, PsC±PePë

P°C, PsCfPëPSPSC- PeC-PSC†PµPIC- C, PsC±PePë	P—PSPëP¶PµPSPSCfC PIC-PrPSPsCfPSPsPiPs CfPëP·PëPeCf	95 % P"P†	Cf
PkPµP»PµC, P°P»CHPSPëPñ C-PSC,, P°CfPeC, PjC-PsPeP°CfPrP° (PeCfC-Pj P±PµP·CfPëPjPiC, PsPjPSPsPiPs) P»PµC, P°P»CHPSP° P†P¶PŸ	13 %	0,76вf"1,00	0,0458
P—P°PiP°P»CHPSP° PePsCfPsPSP°CfPSP° PeC-PSC†PµPIP° C, PsC±PeP°	13 %	0,79вf"0,96	0,007
РлPsCfPsPSP°CfPSC- PïPsPrC-C— C, P° PIC, CfCfC±P°PSPSCfC	16 %	0,78вf"0,90	< 0,0001

P»PµC,P°P»CHΨSC-Cl'C,CH P· CfCl'C-C... PiCΨPëC±PëPS	11 %	0,81вґ“0,99	0,0247
PŸPµCΨC†PµPIPs-Cl'CfPrPëPSPSP° P»PµC,P°P»CHΨSC-Cl'C,CH	24 %	0,65вґ“0,90	0,0010
P»PµC,P°P»CHΨSPëP№ C,P° PSPµP»PµC,P°P»CHΨSPëP№ C-PSCl'CfP»CHC,	23 %	0,66вґ“0,89	0,0003
P»PµC,P°P»CHΨSP° C,P° PSPµP»PµC,P°P»CHΨSP° Cl'PµCΨC†PµPIP° PSPµPrPsCl'C,P°C,PSC-Cl'C,CH	16 %	0,66вґ“1,05	0,1257

PαP°CΨPjP°PePsPeC-PSPµC,PëPeP°.

PëPIPëPrPeC-Cl'C,CH C,P° Cl'C,CfPiC-PSCH PICl'PjPsPeC,CfPIP°PSPSCl
PiPµCΨPëPSPrPsPiCΨPëP»Cf P№ P°PjP»PsPrPëPiC-PSCl ClPe PsPeCΨPµPjPs, C,P°Pe C- Cf
Cl'PeP»P°PrC- C„C-PeCl'PsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— P№PsCΨPrPµCΨC-Cl PһPһ
PrPsCl'C,PsPIC-CΨPSPs PSPµ PIC-PrCΨC-P·PSCl'CHC,CHCl'Cl.

PµPµCΨPëPSPrPsPiCΨPëP»

PһP±Cl'PsCΨP±C†C-Cl

PµC-Cl'P»Cl PiPµCΨPsCΨP°P»CHΨSPsPiPs PiCΨPëP№PsPjCf PiPµCΨPëPSPrPsPiCΨPëP»
C€PIPëPrPePs PICl'PjPsPeC,CfC”C,CHCl'Cl, PjP°PeCl'PëPjP°P»CHΨSP°
PePsPSC†PµPSC,CΨP°C†C-Cl Cf PiP»P°P·PjC- PeCΨPsPIC- PrPsCl'ClPiP°C”C,CHCl'Cl
PiCΨPsC,ClPiPsPj 1 PiPsPrPëPSPë. PµPµCΨC-PsPr PSP°PiC-PICΨPsP·PiP°PrCf
PiPµCΨPëPSPrPsPiCΨPëP»Cf Cf PiP»P°P·PjC- PeCΨPsPIC- Cl'C,P°PSPsPIPëC,CH 1 PiPsPrPëPSCf.

PµPµCΨPëPSPrPsPiCΨPëP» C” PiCΨPsP»C-PeP°PjPë. 27 % PIC-Pr P·P°PiP°P»CHΨSPsC—
PeC-P»CHPePsCl'C,C- PiCΨPëP№PSCl'Cl,PsPiPs PiPµCΨPëPSPrPsPiCΨPëP»Cf PrPsCl'ClPiP°C”
PeCΨPsPIPsC,PsPeCf Cf PiPëPiP»ClPrC- P°PeC,PëPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf вґ”
PiPµCΨPëPSPrPsPiCΨPëP»P°C,Cf. P№CΨC-Pj P°PeC,PëPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf
PiPµCΨPëPSPrPsPiCΨPëP»P°C,Cf, P»C-PeP°CΨCl'CHPePëP№ P·P°Cl'C-P± CfC,PIPsCΨCHC” 5
PjPµC,P°P±PsP»C-C,C-PI, ClPeC- C” PSPµP°PeC,PëPIPSPëPjPë. PһP°PeCl'PëPjP°P»CHΨSP°
PePsPSC†PµPSC,CΨP°C†C-Cl PiPµCΨPëPSPrPsPiCΨPëP»P°C,Cf Cf PiP»P°P·PjC- PeCΨPsPIC-
PrPsCl'ClPiP°C”C,CHCl'Cl C†PµCΨPµP· 3вґ“4 PiPsPrPëPSPë PiC-Cl'P»Cl PiCΨPëP№PsPjCf.

PµCΨPëP№PsPj C—P¶C- P·PjPµPSC€CfC” PiPµCΨPµC,PIPsCΨPµPSPSCl
PiPµCΨPëPSPrPsPiCΨPëP»Cf Cf PiPµCΨPëPSPrPsPiCΨPëP»P°C,, PsC,P¶Pµ,
P·PjPµPSC€CfC”C,CHCl'Cl P№PsPiPs P±C-PsPrPsCl'C,CfPiPSC-Cl'C,CH, C,PsPjCf PrPsP±PsPICf
PrPsP·Cf PiPµCΨPëPSPrPsPiCΨPëP»Cf C,PµCΨC,-P±CfC,PëP»P°PjC-PSCf
CΨPµPePsPjPµPSPrCfC”C,CHCl'Cl PiCΨPëP№PjP°C,Pë PsPrPSPsCΨP°P·PsPIPs PICΨP°PSC†C-
PiPµCΨPµPr C—PrPsCH.

P PsP·PiPsPrC-P»

P'C-PrP·PSP°C†P°C”C,CHCl'Cl P»C-PSC-P№PSP° P·P°P»PµP¶PSC-Cl'C,CH PjC-P¶ PrPsP·PsCH
PiPµCΨPëPSPrPsPiCΨPëP»Cf C- P№PsPiPs PePsPSC†PµPSC,CΨP°C†C-C”CH Cf PiP»P°P·PjC-

PeC₇PsPIC-. PhP±B₇TM C”Pj C₇PsP·PiPsPrC-P»C₇ PSpμP·PiB₇TM C₇P·P°PSPsPiPs
PiPμC₇PēPSPPrPsPiC₇PēP»P°C, C₇ C₇C, P°PSPsPiPēC, CH PiC₇PēP±P»PēP·PSPs 0,2 P»/PePi.

P—PiB₇TM C₇P·C₇PIP°PSPSC₇ PiPμC₇PēPSPPrPsPiC₇PēP»P°C, C₇ P· P±C-P»PeP°PjPē PiP»P°P·PjPē
PeC₇PsPIC- C₇C, P°PSPsPiPēC, CH 20 %, PiPsP»PsPiPSPēPj C±PēPSPsPj P·
P°PSPiC-PsC, PμPSP·PēPSPiPμC₇PμC, PIPsC₇CHPIP°P»CHPSPēPj C,, PμC₇PjPμPSC, PsPj, P°P»Pμ
C†PμP№ PiPsPeP°P·PSPēPe C” PrPsP·PsP·P°P»PμP¶PSPēPj.

P’PēPIPμPrPμPSPSC₇

PμPμC₇PēPSPPrPsPiC₇PēP»P°C, PIPēPIPsPrPēC, CHC₇C₇ C-P· C₇PμC±PμC₇. PμPμC₇C-PsPr
PsC₇C, P°C, PsC±PSPsPiPs PSP°PiC-PIPIPēPIPμPrPμPSPSC₇ PSpμP·PiB₇TM C₇P·P°PSPsC—
C,, C₇P°PeC†C-C— C₇C, P°PSPsPiPēC, CH PiC₇PēP±P»PēP·PSPs 17 PiPsPrPēPS. P₇C, P°PrC-C₇
C₇C-PIPSsPiP°P¶PSPsC— PePsPSC†PμPSC, C₇P°C†C-C— C₇ PiP»P°P·PjC- PeC₇PsPIC-
PSP°C₇C, P°C” C±PμC₇PμP· 4 PrPSC- PIC-Pr PiPsC±P°C, PeC₇ P»C-PeC₇PIP°PSPSC₇.

P’PēPIPμPrPμPSPSC₇ PiPμC₇PēPSPPrPsPiC₇PēP»P°C, C₇ C₇PiPsPIC-P»CHPSC₇C”C, CHC₇C₇ C₇
PiP°C†C-C”PSC, C-PI P»C-C, PSCHPsPiPs PIC-PeC₇, P° C, P°PePsP¶ C₇ PiP°C†C-C”PSC, C-PI C-P·
C₇PμC₇C†PμPIPsC₇ 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·PIPēC±P°P№PSPμ PjPμPrPēC±PSPμ C₇PiPsC₇C, PμC₇PμP¶PμPSPSC₇ P±C₇PrPμ
PIPeP»CHC±P°C, Pē C±P°C₇C, PēP№ PjPsPSC-C, PsC₇PēPSPi C₇C-PIPSC₇ PeC₇PμP°C, PēPSC-PSC₇
C, P° PeP°P»C-C₇.

PμPμC±C-PSPePsPIP° PSpμPrPsC₇C, P°C, PSC-C₇C, CH

P”C-P°P»C-P·PSPēP№ PeP»C-C₇PμPSC₇ PiPμC₇PēPSPPrPsPiC₇PēP»P°C, C₇ B₇” 70 PjP»/C...PI.

P₇C-PSPμC, PēPeP° PiPμC₇PēPSPPrPsPiC₇PēP»C₇ P·PjC-PSC₇C”C, CHC₇C₇ C₇ C...PIPsC₇PēC...
PSP° C†PēC₇PsP· PiPμC±C-PSPePē: PiPμC±C-PSPePsPiPēP№ PeP»C-C₇PμPSC₇
PiPμC₇PēPSPPrPsPiC₇PēP»C₇ P·PjPμPSC€C₇C”C, CHC₇C₇ PIPrPIC-C±C-. PhPrPSP°Pe
PeC-P»CHPeC-C₇C, CH PiPμC₇PēPSPPrPsPiC₇PēP»P°C, C₇, C%Ps C₇C, PIPsC₇CHC”C, CHC₇C₇,
PSPμ P·PjPμPSC€C₇C”C, CHC₇C₇. PhC, P¶Pμ, C, P°PePēPj C...PIPsC₇PēPj PSPμ PiPsC, C₇C-P±PSPs
PePsC₇PēPiC₇PIP°P, Pē PrPsP·C₇ (PrPēPI. C₇PsP·PrC-P» B«PhC₇PsP±P»PēPIPsC₇C, C-
P·P°C₇C, PsC₇C₇PIP°PSPSC₇B»).

PhPjP»PsPrPēPiC-PS

PhP±C₇PsC₇P±C†C-C₇, C₇PsP·PiPsPrC-P», P·PiB₇TM C₇P·C₇PIP°PSPSC₇ P· P±C-P»PeP°PjPē
PiP»P°P·PjPē PeC₇PsPIC-

PμC-C₇P»C₇ PiPμC₇PsC₇P°P»CHPSPsPiPs PiC₇PēP№PsPjC₇ C, PμC₇P°PiPμPIC, PēC±PSPēC...
PrPsP· P°PjP»PsPrPēPiC-PSC₇ PIC-PS PrPsP±C₇Pμ PIC₇PjPsPeC, C₇C”C, CHC₇C₇ C-
PrPsC₇C₇PiP°C” PjP°PeC₇PēPjP°P»CHPSPsC— PePsPSC†PμPSC, C₇P°C†C-C— C₇ PeC₇PsPIC-
C±PμC₇PμP· 6B₇”12 PiPsPrPēPS PiC-C₇P»C₇ PiC₇PēP№PsPjC₇. PhP±C₇PsP»CHC, PSP°
P±C-PsPrPsC₇C, C₇PiPSC-C₇C, CH C₇C, P°PSPsPiPēC, CH PIC-Pr 64 PrPs 80 %. PhP±B₇TM C”Pj
C₇PsP·PiPsPrC-P»C₇ C₇C, P°PSPsPiPēC, CH PiC₇PēP±P»PēP·PSPs 21 P»/PePi.
P”PsC₇P»C-PrP¶PμPSPSC₇ in vitro PiC₇PsPrPμPjPsPSC₇C, C₇C₇PIP°P»Pē, C%Ps
PiC₇PēP±P»PēP·PSPs 97,5 % C†PēC₇PeC₇P»CHCHC±PsPiPs PI PeC₇PsPIC-
P°PjP»PsPrPēPiC-PSC₇ P·PiB₇TM C₇P·C₇C”C, CHC₇C₇ P· P±C-P»PeP°PjPē PiP»P°P·PjPē
PeC₇PsPIC-.

PμC₇PēP№PsPj C—P¶C- PSPμ PIPiP»PēPIP°C” PSP° P±C-PsPrPsC₇C, C₇PiPSC-C₇C, CH

P°PjP»PsPrPëPîC-PSCř.

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

PµPµCHC-PsPr PSP°PîC-PIPIPëPIPµPrPµPSPSCII C-P. PîP»P°P·PjPë PeCHPsPIC-
CřC,P°PSPsPIPëC,CH PîCHPëP±P»PëP·PSPs 35вґ”50 PiPsPrPëPS, C%°Ps PrP°C” P·PjPsPiCř
PîCHPëP·PSP°C†P°C,Pë P»C-PeP°CCHCřCHPePëPN₂ P·P°CřC-P± PsPrPëPS CHP°P· PSP° PrPsP±Cř.

PђPjP»PsPrPëPîC-PS PiPsP»PsPIPSPëPj C†PëPSPsPj PjPµC,P°P±PsP»C-P·CřC”C,CHCřCII Cř
PîPµC†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

PђP°Cř PrPsCřCII PiPSPµPSPSCII PjP°PeCřPëPjP°P»CHPSPsC— PePsPSC†PµPSC,CHP°C†C-C—
P°PjP»PsPrPëPîC-PSCř Cř PîP»P°P·PjC- PeCHPsPIC- Cř C...PIPsCHPëC... P»C-C,PSCHPsPiPs
PIC-PeCř C- PjPsP»PsPrCëPëC... PîP°C†C-C”PSC,C-PI C” PsPrPSP°PePsPIPëPj. Pj
PîP°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»PsPrPëPîC-PSCř C-,
PIC-PrPîPsPIC-PrPSPs, P·P±C-P»CHCëPµPSPSCII PîPsPeP°P·PSPëPeP° AUC C,P°
PîPµCHC-PsPrCř PSP°PîC-PIPIPëPIPµPrPµPSPSCII. PµC-PrPIPëC%°PµPSPSCII
PîPsPeP°P·PSPëPeC-PI AUC C,P° PîPµCHC-PsPrCř PSP°PîC-PIPIPëPIPµPrPµPSPSCII Cř
PîP°C†C-C”PSC,C-PI C-P· P·P°CřC,C-PN₂PSPsCH CřPµCHC†PµPIPsCH
PSPµPrPsCřC,P°C,PSC-CřC,CH PIC-PrPîPsPIC-PrP°P»Ps PIC-PePsPIPëPj
PsCřPsP±P»PëPIPsCřC,ClI Pj PrPsCřP»C-PrP¶CřPIP°PSPëC... PîP°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»PsPrPëPîC-PSCř PîP°C†C-C”PSC,P°Pj
C-P· PîPsCHCřCëPµPSPSCII Pj C,,CřPSPeC†C-C— PîPµC†C-PSPePë. Pj PîP°C†C-C”PSC,C-PI C-P·
PîPµC†C-PSPePsPIPsCH PSPµPrPsCřC,P°C,PSC-CřC,CH PeP»C-CHPµPSCř P°PjP»PsPrPëPîC-PSCř
P·PSPëP¶CřC”C,CHCřCII вґ” C†Pµ PîCHPëP·PIPsPrPëC,CH PrPs PîPsPrPsPIP¶PµPSPSCII
PîPµCHC-PsPrCř PSP°PîC-PIPIPëPIPµPrPµPSPSCII C,P° PîC-PrPIPëC%°PµPSPSCII
PîPsPeP°P·PSPëPeP° AUC PîCHPëP±P»PëP·PSPs PSP° 40вґ”60 %.

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

PµPsPeP°P·P°PSPSCII.

PђCHC,PµCHC-P°P»CHPSP° PiC-PîPµCHC,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
PîPµCHPëPSPPrPsPîCHPëP»PsPj C,P° P°PjP»PsPrPëPîC-PSPsPj).

PµCHPsC,PëPîPsPeP°P·P°PSPSCII.

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

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

(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) CēP»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»CHCē 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 (PIPēP»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-CēPμ 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-CēPμ 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»CHBPSPsC†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,CḡPḡPePsPiPs 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.

PkPμ CḡPμPePsPjPμPSPrCžC”C,CHC†Cḡ PsPrPSPsC†P°C†PSPμ P·P°C†C,PsC†CžPIP°PSPSCḡ
(PrPëPI. CḡPsP·PrC-P» B«PḡC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†CžPIP°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»CHBPSPsC†C,C- PiC-PrPIPëC%oC†C”C,CHC†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»CHBPSPsC— 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»CHBPSPëC... PIPëPīP°PrPeP°C... P· CḡPμC,PμP»CHBPSPëPj
PePsPSC,CḡPsP»PμPj C,,C†PSPeC†C-C— PSPëCḡPsPe, CḡC-PIPSḡCḡ PeP°P»C-Cḡ C,P°
P°CḡC,PμCḡC-P°P»CHBPSPsPiPs C,PëC†PeC†.

P·C†C,CḡP°PjCžC†C,PëPS. P†C†PSC†C” 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-CžCḡPμC,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»CHBPSPsC—) 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
CґРμРeРsРjРμPSPРsРIP°PSC- РrР»Cґ РsРrPSPsC±Р°CґРSPsРiРs Р·Р°CґC,РsCґCґРIP°PSPSCґ Р·
РiРμCґРөРSPРsРiCґРөР»РsРj (РrРөРI. CґРsР·РrC-Р» Б«РґCґРsР±Р»РөРIPsCґC,C-
Р·Р°CґC,РsCґCґРIP°PSPSCґB»). РґРrPSP°Рe CґРeC%oРs РsРrPSPsC±Р°CґРSPμ
РiCґРөР·РSP°C±РμPSPSCґ CґРөC... CґРμC±РsРIPөРS C” РSPμРsР±C...C-РrPSPөРj, C—C...
CґР»C-Рr Р·Р°CґC,РsCґРsРICґРIP°C,Рө Р· РsР±РμCґРμРPґPSC-CґC,Cґ C,Р° РiCґРsРIPsРrРөC,Рө
C±Р°CґC,РөРNө РeРsРSC,CґРsР»Cґ РeР°Р»C-Сґ РiР»Р°Р·РjРө РeCґРsРIC-. Р©РsРrРs
Р·Р°CґC,РsCґCґРIP°PSPSCґ CґРiC-CґРsРSPsР»Р°РeC,РsPSCґ РiCґРө CґРμCґCґРμPIC-РNө
PSPμРrРsCґC,Р°C,PSPsCґC,C- РrРөРI. РiC-РrCґРsР·РrC-Р» Б«Р»C-РeР°CґCґCґРeC-
Р·Р°CґРsР±Рө, РsРrPSPsC±Р°CґРSPμ РiCґРөР·РSP°C±РμPSPSCґ Р· CґРeРөРjРө
РiРsC,CґРμР±CґC” РsCґРsР±Р»РөРIPsC— CґРIP°РiРөB».

Р»C-C,C-РNө. РґРrPSPsC±Р°CґРSPөРNө РiCґРөРNөРsРj Р»C-C,C-Сґ C,Р°
C-РSPiC-Р±C-C,РsCґC-Рi РґРμРґ РSPμ CґРμРeРsРjРμPSPРrCґC”C,CґCґCґ C±РμCґРμР·
РjРsРPґР»РөРPIC-CґC,Cґ РsР±РsCґРsC,PSPsРiРs Р·Р±C-Р»CґCґРμPSPSCґ
РeРsPSC±РμPSC,CґР°CґC— Р»C-C,C-Сґ Cґ РiCґРөРsРIP°C,CґC- РeCґРsРIC- C,Р°,
PIC-РrРiРsРIC-РrPSPs, РiC-РrРIPөC%oРμPSPSCґ РNөРsРiРs C,РsРeCґРөC±РSPsCґC,C-
(C,CґРPґРeРsC— РSPμРNөCґРsC,РsРeCґРөC±РSPsCґC,C-). РґРrPSP°Рe CґРeC%oРs
PSPμРsР±C...C-РrPSC-CґC,Cґ C,Р°РeРsC— РeРsРjР±C-РSP°CґC-C— C”
РsР±Т’CґCґРPSC,РsРIP°PSPsCґ, РiРsC,CґC-Р±РSPs РeРsPSC,CґРsР»CґРIP°C,Рө
РeРsPSC±РμPSC,CґР°CґC-Сґ Р»C-C,C-Сґ Cґ РiCґРөРsРIP°C,CґC- РeCґРsРIC- (РrРөРI.
CґРsР·РrC-Р» Б«РґCґРsР±Р»РөРIPsCґC,C- Р·Р°CґC,РsCґCґРIP°PSPSCґB»).

Р»C-РeР°CґCґCґРeC- Р·Р°CґРsР±Рө, РsРrPSPsC±Р°CґРSPμ РiCґРөР·РSP°C±РμPSPSCґ Р·
CґРeРөРjРө РiРsC,CґРμР±CґC” РsCґРsР±Р»РөРIPsC— CґРIP°РiРө

РiCґРeCґРsР·РSPөРPґCґРIP°Р»CґРPSC- Р·Р°CґРsР±Рө (C-РSCґCґР»C-РS,
РiРμCґРsCґР°Р»CґРPSC- CґCґРeCґРsР·РSPөРPґCґРIP°Р»CґРPSC- Р·Р°CґРsР±Рө).
Р·РiC-РrРμРjC-РsР»РsРiC-C±РSC- РrРsCґР»C-РrРPґРμPSPSCґ РiCґРөРiCґРeР°CґC,Cґ,
C%oРs РsРrPSPsC±Р°CґРSPμ Р·Р°CґC,РsCґCґРIP°PSPSCґ C-РSPiC-Р±C-C,РsCґC-Рi РґРμРґ C-
CґCґРeCґРsР·РSPөРPґCґРIP°Р»CґРPSC... Р·Р°CґРsР±C-Рi (C-РSCґCґР»C-РS,
РiРμCґРsCґР°Р»CґРPSC- CґCґРeCґРsР·РSPөРPґCґРIP°Р»CґРPSC- Р·Р°CґРsР±Рө) РjРsРPґРμ
РiCґРөР·РIPμCґC,Рө РrРs РiРsCґРөР»РμPSPSCґ CґCґРeCґРsР·РSPөРPґCґРIP°Р»CґРPSPsРiРs
РμC,,РμРeC,Cґ Р· CґРөР·РөРeРsРj CґРsР·РIPөC,РeCґ РiC-РiРsРiР»C-РeРμРjC-C—.
РґР°РNөC±Р°CґC,C-CґРμ CґРμРNө C,,РμPSPsРjРμPSP РjРsРPґРμ РIPөРSPөРeР°C,Рө Cґ РiРμCґCґC-
C,РөРPґPSC- РeРsРjР±C-РSPsРIP°PSPsРiРs Р»C-РeCґРIP°PSPSCґ C,Р° Cґ CґР°Р·C-
PSPөCґРeРsРIPsC— РSPμРrРsCґC,Р°C,PSPsCґC,C-.

Р”C-CґCґРμC,РөРeРө. Рj РiР°CґC-C”PSC,C-Рi, CґРeC- РiCґРөРNөРjР°CґC,Cґ
РrC-CґCґРμC,РөРeРө, C,Р° РsCґРsР±Р»РөРIPs Cґ C,РөC..., Cґ РeРsРiРs РiРsCґCґCґРμPSPөРNө
РIPsРrPSPs-РμР»РμРeC,CґРsР»C-C,PSPөРNө Р±Р°Р»Р°Р°PSCґ, РjРsРPґР»РөРIPμ РSP°РrРjC-CґРSPμ
Р·РSPөРPґРμPSPSCґ Р°CґC,РμCґC-Р°Р»CґРPSPsРiРs C,РөCґРeCґ РiC-CґР»Cґ РiРsC±Р°C,РeCґ
Р»C-РeCґРIP°PSPSCґ C-РSPiC-Р±C-C,РsCґРsРj РґРμРґ. Р±РjРsРIC-CґРPSC-CґC,Cґ
CґРsР·РIPөC,РeCґ РiC-РiРsC,РμPSP·РөРIPSPsРiРs РμC,,РμРeC,Cґ Р·РSPөРPґCґC”C,CґCґCґ Cґ
CґР°Р·C- PIC-РrРjC-РSPө РrC-CґCґРμC,РөРeР°, РiC-РrРIPөC%oРμPSPSCґ РsР±BґC”C”РjCґ
CґРөCґРeCґР»CґCґРsC— РeCґРsРIC- Р°Р±Рs CґРiРsРPґРөРIP°PSPSCґ CґРsР»C- РiРμCґРμРr
РiРsC±Р°C,РeРsРj C,РμCґР°РiC-C— РiРμCґРөРSPРsРiCґРөР»РsРj, CґРeCґ CґР»C-Рr
CґРsР·РiРsC±РөРSP°C,Рө Р· РSPөР·CґРeРөC... РrРsР· Р· РiРsCґC,CґРiРsРIPөРj
РiC-РrРIPөC%oРμPSPSCґРj. РμCґРө Р°CґC,РμCґC-Р°Р»CґРPSC-РNө РiC-РiРμCґC,РμPSP·C-C—,
РeРsР»Рө РiРsРiРμCґРμРrPSCґРs РiCґРөР·РSP°C±РμPSPөРNө РrC-CґCґРμC,РөРe РjC-Рi
CґРiCґРөC±РөРSPөC,Рө РSPμРrРsCґC,Р°C,PSC-CґC,Cґ РIPsРrРөР/РμР»РμРeC,CґРsР»C-C,C-Рi,

PN₂PsPiPs PSp_μPsP±C...C-PrPSPs PIC-PrPjC-PSPëC, Pë PīPμC₇PμPr PīPsC‡P°C, PePsPj
P»C-PeCfPIP°PSPSC₇ C-PSPiC-P±C-C, PsC₇PsPj P₇PμPα (Cf C, P°PePëC... PIPëPīP°PrPeP°C...
PīC₇PëPN₂PsPj PrC-CfC₇PμC, PëPeP° PjPsP₇Pμ P±CfC, Pë PīPsPSPsPIP»PμPSPs P· C‡P°CfPsPj)
P°P±Ps PīC₇PëP·PSP°C‡PëC, Pë C-PSPiC-P±C-C, PsC₇ P₇PμPα Cf PSPëP·CHPeC-PN₂ PrPsP·C- P·
PīPsCfC, CfPīPsPIPëPj C—C— PīC-PrPIPëC%PμPSPSC₇Pj. PμC₇Pë P·P°CfC, C-PN₂PSC-PN₂
CfPμC₇C†PμPIC-PN₂ PSp_μPrPsCfC, P°C, PSPsCfC, C- PSP° C, P»C- PīC₇PëPN₂PsPjCf
PrC-CfC₇PμC, PëPeP° PīC₇PëPN₂PsPj C-PSPiC-P±C-C, PsC₇Cf P₇PμPα CfP»C-Pr
C₇PsP·PīPsC‡PëPSP°C, Pë P· PjC-PSC-PjP°P»CHPSPsC— PrPsP·Pë, PjPsP₇P»PëPIPs, PīC-CfP»C₇
P·PSPëP₇PμPSPSC₇ PrPsP·Pë PrC-CfC₇PμC, PëPeP°. Pj P±CfPrCH·C₇PePsPjCf PIPëPīP°PrPeCf
PSPμPsP±C...C-PrPSPs PePsPSC, C₇PsP»CHPIP°C, Pë C,, CfPSPeC†C-C₇ PSPëC₇PsPe
(C₇C-PIPμPSC₇ PeC₇PμP°C, PëPSC-PSCf) PīC₇PsC, C₇PiPsPj PīPμC₇CëPëC... C, PëP₇PSC-PI
P»C-PeCfPIP°PSPSC₇ C-PSPiC-P±C-C, PsC₇PsPj P₇PμPα.

*P₇P°P»C-PN₂P·P±PμC₇C-PiP°C₇C‡C- PrC-C₇C₇PμC, PëPePë (PμPīP»PμC₇PμPSPsPS,
CfPīC-C₇PsPSPsP»P°PeC, PsPS).* PhCfPsP±P»PëPIPsC— CfPIP°PiPë PīPsC, C₇PμP±CfC”
PsPrPSPsC‡P°CfPSPμ P·P°CfC, PsCfCfPIP°PSPSC₇ PμPīP»PμC₇PμPSPsPSCf P°P±Ps
CfPīC-C₇PsPSPsP»P°PeC, PsPSCf Cf PrPsP·P°C... PIC-Pr 12,5 PjPi PrPs 50 PjPi PSP° PrPsP±Cf P·
PSPëP·CHPePëPjPë PrPsP·P°PjPë C-PSPiC-P±C-C, PsC₇Cf P₇PμPα. Pj C₇P°P·C-
PSPμPrPsC, C₇PëPjP°PSPSC₇ C₇PμPePsPjPμPSPPrP°C†C-PN₂ C%PsPrPs
PīC₇PëP·PSP°C‡PμPSPSC₇ C, P°PePsC— PePsPjP±C-PSP°C†C-C— C-CfPSCfC” C₇PëP·PëPe
PIPëPSPëPePSPμPSPSC₇ PiC-PīPμC₇PeP°P»C-C”PjC-C— (PjPsP₇P»PëPIPs,
P»PμC, P°P»CHPSPsC—) PīC-Pr C‡P°Cf P»C-PeCfPIP°PSPSC₇ PīP°C†C-C”PSC, C-PI C-P·
CfPμC₇C†PμPIPsC₇ PSPμPrPsCfC, P°C, PSC-CfC, C₇ P†P†₇”P†V PeP»P°CfCf NYHA C, P°
C,, C₇P°PeC†C-C”C₇ PIPëPePëPrCf < 40 %, C₇PeC- C₇P°PSC-CëPμ P»C-PeCfPIP°P»PëCfC₇
C-PSPiC-P±C-C, PsC₇PsPj P₇PμPα C, P° PīPμC, P»CHPsPIPëPj PrC-CfC₇PμC, PëPePsPj.
PμPμC₇PμPr PīC₇PëP·PSP°C‡PμPSPSC₇Pj C, P°PePsC— PePsPjP±C-PSP°C†C-C— CfP»C-Pr
CfPīPμPIPSPëC, PëCfC₇ Cf PIC-PrCfCfC, PSPsCfC, C- PiC-PīPμC₇PeP°P»C-C”PjC-C— C, P°
PīPsC₇CfCëPμPSPSC₇ C,, CfPSPeC†C-C— PSPëC₇PsPe. P PμPePsPjPμPSPPrPsPIP°PSPs
PīC₇PsPIPsPrPëC, Pë C₇PμC, PμP»CHPSPëPN₂ PjPsPSC-C, PsC₇PëPSPi PeP°P»C-C”PjC-C— C-
PeC₇PμP°C, PëPSC-PSPμPjC-C— C%PsC, PëP₇PSPμPIPs PīC-Pr C‡P°Cf PīPμC₇CëPsPiPs
PjC-CfC₇C†C₇ P»C-PeCfPIP°PSPSC₇ C, P° C%PsPjC-CfC₇C‡PSPs PSP°PrP°P»C-.

*PkPμCfC, PμC₇PsC—PrPSC- PīC₇PsC, PëP·P°PīP°P»CHPSC- P»C-PeP°C₇CfCHPeC-
P·P°CfPsP±Pë (PkPμP—P—), C₇ C, PsPjC₇ C‡PëCfP»C- P°C†PμC, PëP»CfP°P»C-C†PëP»PsPIP°
PePëCfP»PsC, P° ≥ 3 Pi PSP° PrPsP±C₇. P₇PsP₇P»PëPIPs PīPsCfP»P°P±P»PμPSPSC₇
P°PSC, PëPiC-PīPμC₇C, PμPSP·PëPIPsPiPs PμC,, PμPeC, Cf PīC-Pr C‡P°Cf
PsPrPSPsC‡P°CfPSPsPiPs P·P°CfC, PsCfCfPIP°PSPSC₇ C-PSPiC-P±C-C, PsC₇C-PI P₇PμPα P·
PkPμP—P—, C, P°PePëPjPë C₇Pe: P°C†PμC, PëP»CfP°P»C-C†PëP»PsPIP° PePëCfP»PsC, P° Cf
PīC₇PsC, PëP·P°PīP°P»CHPSPëC... PrPsP·P°C..., C-PSPiC-P±C-C, PsC₇Pë PīPhP”-2,
PSPμCfPμP»PμPeC, PëPIPsC- PkPμP—P—. PhPrPSPsC‡P°CfPSPμ P·P°CfC, PsCfCfPIP°PSPSC₇
C-PSPiC-P±C-C, PsC₇C-PI P₇PμPα C- PkPμP—P— PjPsP₇Pμ PīC₇PëP·PIPμCfC, Pë PrPs
PīC-PrPIPëC%PμPSPSC₇ C₇PëP·PëPeCf PīPsPiC-C₇CëPμPSPSC₇ C,, CfPSPeC†C-C—
PSPëC₇PsPe, Cf C, PsPjCf C‡PëCfP»C- C-PjPsPIC-C₇PSPsCfC, C- C₇PsP·PIPëC, PeCf
PīPsCfC, C₇PsC— PSPëC₇PePsPIPsC— PSPμPrPsCfC, P°C, PSPsCfC, C-, PīC-PrPIPëC%PμPSPSC₇
C₇C-PIPSC₇ PeP°P»C-C₇ Cf PīP»P°P·PjC- PeC₇PsPIC-, PsCfPsP±P»PëPIPs Cf
PīP°C†C-C”PSC, C-PI C-P· PīPsC₇CfCëPμPSPSC₇Pj C,, CfPSPeC†C-C— PSPëC₇PsPe PI
P°PSP°PjPSPμP·C-. P₇P°PeCf PePsPjP±C-PSP°C†C-C₇ CfP»C-Pr PīC₇PëP·PSP°C‡P°C, Pë P·
PsP±PμC₇PμP₇PSC-CfC, C₇, P·PsPeC₇PμPjP° PīP°C†C-C”PSC, P°Pj P»C-C, PSC₇PsPiPs 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, C₇PsP»CHPIP°C, Pë C,, CfPSPeC†C-C₇ PSPëC₇PsPe PSP°
PīPsC‡P°C, PeCf P»C-PeCfPIP°PSPSC₇ C, P°PePsC₇ PePsPjP±C-PSP°C†C-C”C₇ C-*

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

P»C-PeP°CῤCfCῤPeC- P·P°CfPsP±Pē, PsPrPSPsC‡P°CfPSPμ ΠῖCῤPēP·PSP°C‡PμPSPSCΠ P·CΠPePēPjPē ΠῖPsC,CῤPμP±CzC” CzPIP°ΠPē

PŸPēPjΠP°C,PspjC-PjPμC,PēPePē PjPsP¶CfC,CH ΠῖPsCfP»P°P±P»CῤPIP°C,Pē P°PSC,PēPiC-ΠῖΠμCῤC,PμPSP·PēPIPSCf PrC-Cῤ C-PSPiC-P±C-C,PscῤC-Π PḥPμPα.

P—PsP»PsC,Ps. PμCῤPē PsPrPSPsC‡P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-C-PSPiC-P±C-C,PscῤC-Π PḥPμPα, ΠῖPeP»CῤC‡P°CῤC‡Pē ΠῖΠμCῤPēPSPPrPsΠCῤPēP», C-C-PSBῤ™ C”PeC‡C-PNēPSPēC... P»C-PeP°CῤCfCῤPePēC... P·P°CfPsP±C-Π 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-Π (ΠῖPsC‡PμCῤPIPSPSC-PSPSCΠ PsP±P»PēC‡C‡CΠ, ΠῖCῤPēΠP»PēPIPē, PSCfPrPsC,P°, P±P»CῤPIP°PSPSCΠ C,P° ΠῖC-ΠῖPsC,PμPSP·C-CΠ).

P·P·P°C”PjPsPrC-C—, ΠῖPsΠBῤ™ CΠP·P°PSC- P·P°PjP»PsPrPēΠC-PSPsPj

PkPμ CῤPμPePsPjPμPSPrCzC”C,CHCfCΠ PsPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCzPIP°PSPSCΠ

P”P°PSC,CῤPsP»PμPS (C-PSC,,CzP·C-CΠ). P’ PμPeCfΠῖΠμCῤPēPjPμPSC,P°P»CHPSPēC... PrPsCfP»C-PrP¶PμPSPSCΠC... ΠῖC-CfP»CΠ P·P°CfC,PsCfCfPIP°PSPSCΠ ΠῖΠμCῤP°ΠP°PjC-P»Cf C- PrP°PSC,CῤPsP»PμPSCf ΠῖPSCfC,CῤC-CēPSCḥPsΠῖPμPSPSPs CfΠῖPsCfC,PμCῤC-ΠP°P»PēCfCΠ C,,C-P±CῤPēP»CΠC‡C-CΠ CēP»CfPSPsC‡PeC-Π CfPμCῤC‡CΠ P·P»PμC,P°P»CHPSPēPj PSP°CfP»C-PrPePsPj C,P° PeP°CῤPrC-PsPIP°CfPeCfP»CΠCῤPSPēPNē PePsP»P°ΠCf Cf ΠῖPsC”PrPSP°PSPSC- P·ΠῖC-ΠῖΠμCῤPeP°P»C-C”PjC-C”Cῤ. P— PsΠP»CΠPrCf PSP° PjPsP¶P»PēΠC-CfC,CH ΠῖPēPSPēPePSPμPSPSCΠ ΠῖC-ΠῖΠμCῤPeP°P»C-C”PjC-C— CῤPμPePsPjPμPSPPrPsPIP°PSPs CfPSPēPeP°C,Pē PsPrPSPsC‡P°CfPSPsΠῖPs ΠῖCῤPēP·PSP°C‡PμPSPSCΠ P°PSC,P°ΠῖPsPSC-CfC,C-Π PeP°P»CHC‡C-Cῤ, C,P°PePēC... CΠPe P°PjP»PsPrPēΠC-PS, ΠῖP°C‡C-C”PSC,P°Pj P·C- P·P»PsCΠPeC-CfPSPsCῤ ΠῖC-ΠῖΠμCῤC,PμCῤPjC-C”Cῤ C,P° ΠῖP°C‡C-C”PSC,P°Pj, Cf CΠPePēC... PrPsΠῖCfPeP°C”C,CHCfCΠ PSP°CΠΠPSC-CfC,CH P·P»PsCΠPeC-CfPSPsC— ΠῖC-ΠῖΠμCῤC,PμCῤPjC-C—.

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

P†PSPrCzPeC,PsCῤPē CYP3A4. PμCῤPē PsPrPSPsC‡P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- P·ΠC-PrPsPjPēPjPē C-PSPrCfPeC,PsCῤP°PjPē CYP3A4 PePsPSC‡PμPSC,CῤP°C‡C-CΠ P°PjP»PsPrPēΠC-PSCf Cf ΠῖP»P°P·PjC- PeCῤPsΠC- PjPsP¶Pμ P·PjC-PSCῤPIP°C,PēCfCΠ. PŸPsPjCf ΠῖC-Pr C‡P°Cf C,P° ΠῖC-CfP»CΠ PsPrPSPsC‡P°CfPSPsΠῖPs P·P°CfC,PsCfCfPIP°PSPSCΠ 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°PSPSCΠ P·C-PSPrCfPeC,PsCῤP°PjPē CfPēP»CHPSPsC— PrC-C— CYP3A4 (PSP°ΠῖCῤPēPeP»P°Pr, CῤPēC,,P°PjΠC-C‡PēPS, P·ΠC-CῤPsP±C-PNē [hypericum perforatum]).

P†PSPiC-P±C-C,PsCῤPē CYP3A4. PhPrPSPsC‡P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCΠ P°PjP»PsPrPēΠC-PSCf P·ΠῖCfPsPePsP°PeC,PēΠPSPēPjPē P°P±Ps ΠῖPsPjC-CῤPSPēPjPē C-PSPiC-P±C-C,PsCῤP°PjPē CYP3A4 (C-PSPiC-P±C-C,PsCῤP°PjPē ΠῖCῤPsC,PμP°P·, P°P·PsP»CHPSPēPjPē ΠῖCῤPsC,PēΠῖCῤPēP±PePsΠῖPjPē P·P°CfPsP±P°PjPē, PjP°PeCῤPsP»C-PrP°PjPē, C,P°PePēPjPē CΠPe PμCῤPēC,CῤPsPjC-C‡PēPS P°P±Ps

PeP»P°CḡPëC, CḡPsPjC-C†PëPS, PIPμCḡP°PīP°PjC-P»PsPj P°P±Ps PrPëP»C, C-P°P·PμPjPsPj) PjPsP¶Pμ C†PīCḡPëC†PëPSC¶C, Pë PīC-PrPIPëC%oPμPSPSC¶C PePsPSC†PμPSC, CḡP°C†C-C— P°PjP»PsPrPëPīC-PSC†. PḡP»C-PSC-C†PSPëPNë PīCḡPsC¶PI PIPëC%oPμP·P°P·PSP°C†PμPSPëC... C„P°CḡPjP°PePsPeC-PSPμC, PëC†PSPëC... P·PjC-PS PjPsP¶Pμ P±C†C, Pë P±C-P»CHC€ PIPëCḡP°P¶PμPSPëPj C† PīP°C†C-C”PSC, C-PI P»C-C, PSCHPsPiPs PIC-PeC†. Pj C, P°PePëC... PIPëPīP°PrPeP°C... PSPμPsP±C...C-PrPSPs PīCḡPsPIPPrPëC, Pë PeP»C-PSC-C†PSPëPNë PjPsPSC-C, PsCḡPëPSPi C, P° PePsCḡPëPiC†PIP°C, Pë PrPsP·C†. P†C†PSC†C” PīC-PrPIPëC%oPμPSPëPNë CḡPëP·PëPe PIPëPSPëPePSPμPSPSC¶C PiC-PīPsC, PμPSP·C-C— C† PīP°C†C-C”PSC, C-PI, C¶PeC- PīCḡPëPNëPjP°CḡC, CH PeP»P°CḡPëC, CḡPsPjC-C†PëPS C† PePsPjP±C-PSP°C†C-C— P·P°PjP»PsPrPëPīC-PSPsPj. PŷP°PePëPj PīP°C†C-C”PSC, P°Pj CḡPμPePsPjPμPSPPrPsPIP°PSPμ CḡPμC, PμP»CHPSPμ C†PīPsC†C, PμCḡPμP¶PμPSPSC¶C.

P>C-PeP°CḡC†CHPeC- P·P°C†PsP±Pë, PsPrPSPsC†P°C†PSPμ PīCḡPëP·PSP°C†PμPSPSC¶C P· C¶PePëPjPë PīPsC, CḡPμP±C†C” C†PIP°PiPë

PμCḡPë P·P°C†C, PsC†C†PIP°PSPSC- P°PjP»PsPrPëPīC-PSC† P·C-PSC€PëPjPë P»C-PeP°CḡC†CHPePëPjPë P·P°C†PsP±P°PjPë P·P°PSC, PëPiC-PīPμCḡC, PμPSP·PëPIPSPëPjPë PIP»P°C†C, PëPIPsC†C, C¶PjPë PjPsP¶P»PëPIPëPNë P°PrPëC, PëPIPSPëPNë P°PSC, PëPiC-PīPμCḡC, PμPSP·PëPIPSPëPNë PμC„PμPeC,.

PŷP°PeCḡPsP»C-PjC†C†. Pj CḡP°P·C- PsPrPSPsC†P°C†PSPsPiPs PīCḡPëP·PSP°C†PμPSPSC¶C P·P°PjP»PsPrPëPīC-PSPsPj C-C†PSC†C” CḡPëP·PëPe PīC-PrPIPëC%oPμPSPSC¶C CḡC-PIPSC¶C C, P°PeCḡPsP»C-PjC†C†C† PI PeCḡPsPIC-. P”P»C¶C†PSPëPePSPμPSPSC¶C C, PsPeC†PëC†PSPsPiPs PIPīP»PëPIC† C, P°PeCḡPsP»C-PjC†C†C† PSPμPsP±C...C-PrPSPs PePsPSC, CḡPsP»CHPIP°C, Pë PNëPsPiPs CḡC-PIPμPSCH C† PeCḡPsPIC- C, P° C† CḡP°P·C- PīPsC, CḡPμP±Pë PīC-PrP±PëCḡP°C, Pë PNëPsPiPs PrPsP·C† PīP°C†C-C”PSC, P°Pj, C¶PePëPj PrPsPrP°C”C, CHC†C¶C P°PjP»PsPrPëPīC-PS.

P†PSPiC-P±C-C, PsCḡPë PjPμC...P°PSC-C†C, PëC†PSPsC— PjC-C€PμPSC- CḡP°PīP°PjC-C†PëPSC† (mTOR). PŷP°PeC- C-PSPiC-P±C-C, PsCḡPë mTOR, C¶Pe C†PëCḡPsP»C-PjC†C†, C, PμPjC†PëCḡPsP»C-PjC†C† C, P° PμPIPμCḡPsP»C-PjC†C†, C” C†C†P±C†C, CḡP°C, P°PjPë CYP3A. PḡPjP»PsPrPëPīC-PS PSP°P»PμP¶PëC, CH PrPs C-PSPiC-P±C-C, PsCḡC-PI CYP3A C†P»P°P±PePsC— PrC-C—. PμCḡPë PsPrPSPsC†P°C†PSPsPjC† P·P°C†C, PsC†C†PIP°PSPSC- P·C-PSPiC-P±C-C, PsCḡP°PjPë mTOR P°PjP»PsPrPëPīC-PS PjPsP¶Pμ P·P±C-P»CHC€C†PIP°C, Pë PePsPSC†PμPSC, CḡP°C†C-Cḡ C-PSPiC-P±C-C, PsCḡC-PI mTOR.

P†PëPeP»PsC†PīPsCḡPëPS. P”PsC†P»C-PrP¶PμPSPSC¶C PIP·P°C”PjPsPrC-C— C†PëPeP»PsC†PīPsCḡPëPSC† C, P° P°PjP»PsPrPëPīC-PSC† P·P° C†C†P°C†C, CH P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI P°P±Ps C-PSC€PëC... P»CHPrPμPNë PSPμ PīCḡPsPIPsPrPëP»Pë. P’PëPSC¶C, PsPe C†C, P°PSPsPIP»C¶C, CH PīP°C†C-C”PSC, Pë PīC-C†P»C¶C C, CḡP°PSC†PīP»P°PSC, P°C†C-C— PSPëCḡPePë, C† C¶PePëC... C†PīPsC†C, PμCḡC-PiP°P»PëC†C¶C PePsP»PëPIP°PSPSC¶C PePsPSC†PμPSC, CḡP°C†C-C— C†PëPeP»PsC†PīPsCḡPëPSC† P·PīC-PrPIPëC%oPμPSPSC¶C Pj C† C†PμCḡPμPrPSCHPsPjC† PIC-Pr 0 % PrPs 40 %. Pj PīP°C†C-C”PSC, C-PI PīC-C†P»C¶C C, CḡP°PSC†PīP»P°PSC, P°C†C-C— PSPëCḡPePë, C¶PeC- PīCḡPëPNëPjP°CḡC, CH P°PjP»PsPrPëPīC-PS C- C†PëPeP»PsC†PīPsCḡPëPS, C†P»C-Pr PePsPSC, CḡPsP»CHPIP°C, Pë CḡC-PIPμPSCH C†PëPeP»PsC†PīPsCḡPëPSC† C† PeCḡPsPIC- C, P° C† CḡP°P·C- PSPμPsP±C...C-PrPSPsC†C, C- P·PjPμPSC€PëC, Pë PrPsP·C† C†PëPeP»PsC†PīPsCḡPëPSC†.

PŷPëPjPIP°C†C, P°C, PëPS. P—P°C†C, PsC†C†PIP°PSPSC¶C P°PjP»PsPrPëPīC-PSC† PI PrPsP·C-, PeCḡP°C, PSC-PNë 10 PjPi, C† PePsPjP±C-PSP°C†C-C— P·80 PjPi C†PëPjPIP°C†C, P°C, PëPSC† PīCḡPëP·PIPsPrPëP»Ps PrPs 77 %-PiPs P·P±C-P»CHC€PμPSPSC¶C PePsPSC†PμPSC, CḡP°C†C-C—

P°PSC, PëPiC-PiPμCȥC, PμPSP·PëPIPSPëPNë PμC,, PμPeC, C, P° PiC-PrPIPëC%CrCȥC, CH
CȥPëP·PëPe PIPëPSPëPePSPμPSPSCȥ PsCȥC, PsCȥC, P°C, PëC†PSPsC— PiC-PiPsC, PμPSP·C-C—.

PħCȥPsP±P»PëPIPsCȥC, C- P·P°CȥC, PsCȥCȥPIP°PSPSCȥ.

PJ CȥC- P·P°CȥC, PμCȥPμPȥPμPSPSCȥ C%PsPrPs P·P°CȥC, PsCȥCȥPIP°PSPSCȥ PsPeCȥPμPjPëC...
PePsPjPiPsPSPμPSC, C-PI P»C-PeP°CȥCȥCHPePsPiPs P·P°CȥPsP±Cȥ CȥC, PsCȥCȥCȥC, CHCȥCȥ
C- C,, C-PeCȥPsPIP°PSPsC— PePsPjP±C-PSP°C†C-C— PħPsCȥPrPμCȥC-Cȥ PħPħ.

*PħCȥPsP±P»PëPIC- P·P°CȥC, PμCȥPμPȥPμPSPSCȥ C%PsPrPs P·P°CȥC, PsCȥCȥPIP°PSPSCȥ
PiPμCȥPëPSPPrPsPiCȥPëP»Cȥ*

P°C-PiPμCȥC†CȥC, P»PëPIC-CȥC, CH/P°PSPiC-PsPSPμPICȥPsC, PëC†PSPëPNë PSP°P±CȥCȥPe.
PμC-Pr C†P°Cȥ P·P°CȥC, PsCȥCȥPIP°PSPSCȥ C-PSPiC-P±C-C, PsCȥC-PI PħPμPα, Cr C, PsPjCr
C†PëCȥP»C- PiPμCȥPëPSPPrPsPiCȥPëP»Cȥ, PiPsPIC-PrPsPjP»CȥP»Pë PiCȥPs CȥC-PrPeC-CȥPSC-
PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSCȥ P°PSPiC-PsPSPμPICȥPsC, PëC†PSPsPiPs
PSP°P±CȥCȥPeCr PsP±P»PëC†CȥCȥ, PeC-PSC†C-PIPsPe, PiCȥP±, CȥP»PëP·PsPIPëC...
PsP±PsP»PsPSPsPe, CȥP·PëPeP°, PiPsP»PsCȥPsPiPsC— C%C-P»PëPSPë C, P°/P°P±Ps
PiPsCȥC, P°PSC- (PrPëPI. CȥPsP·PrC-P» B«PμPsP±C-C†PSC- CȥPμP°PeC†C-C-B»).
PħPSPiC-PsPSPμPICȥPsC, PëC†PSPëPNë PSP°P±CȥCȥPe PjPsPȥPμ PIPëPSPëPePSCȥC, Pë
P±CȥPrCH-PePsP»Pë PiC-Pr C†P°Cȥ P»C-PeCȥPIP°PSPSCȥ. PJ C, P°PePëC... PIPëPiP°PrPeP°C...
PSPμPsP±C...C-PrPSPs C, PμCȥPjC-PSPsPiPs PiCȥPëPiPëPSPëC, Pë PiCȥPëPNëPsPj
P»C-PeP°CȥCȥCHPePsPiPs P·P°CȥPsP±Cȥ PħPsCȥPrPμCȥC-Cȥ PħPħ C- PICȥC, P°PSPsPIPëC, Pë
PSPμPsP±C...C-PrPSPëPNë PSP°PiP»CȥPr P·P° CȥC, P°PSPsPj PiP°C†C-C°PSC, P° PrPs
PiPsPIPSPsPiPs P·PSPëPePSPμPSPSCȥ CȥPëPjPiC, PsPjC-PI. PħPsP»Pë PSP°P±CȥCȥPe
CȥPsP·PiPsPICȥCȥPrPȥCȥC, CHCȥCȥ P»PëCȥPμ PSP° P·PsPSCȥ PsP±P»PëC†CȥCȥ C, P° PiCȥP±,
CȥC, P°PS PiP°C†C-C°PSC, P° P·P°P·PIPëC†P°PNë PiPsPeCȥP°C%CrCȥC, CHCȥCȥ P±PμP·
P»C-PeCȥPIP°PSPSCȥ; PiCȥPëP·PSP°C†PμPSPSCȥ P°PSC, PëPiC-CȥC, P°PjC-PSPSPëC...
P»C-PeP°CȥCȥCHPePëC... P·P°CȥPsP±C-PI PjPsPȥPμ P±CȥC, Pë PePsCȥPëCȥPSPëPj PrP»Cȥ
P·PjPμPSCȥPμPSPSCȥ CȥPëPjPiC, PsPjC-PI.

PħPSPiC-PsPSPμPICȥPsC, PëC†PSPëPNë PSP°P±CȥCȥPe, PiPsPiBȥ™ CȥP·P°PSPëPNë P·
PSP°P±CȥCȥPePsPj PiPsCȥC, P°PSC-, PjPsPȥPμ PiCȥPëP·PIPμCȥC, Pë PrPs
P»PμC, P°P»CHPSPsPiPs PSP°CȥP»C-PrPeCȥ. PJ CȥP°P·C-, PePsP»Pë PSP°P±CȥCȥPe
CȥPsP·PiPsPICȥCȥPrPȥCȥC, CHCȥCȥ PSP° CȥP·PëPe, PiPsP»PsCȥPsPICȥ C%C-P»PëPSCȥ
P°P±Ps PiPsCȥC, P°PSCȥ P· C-PjPsPIC-CȥPSPëPj PIPëPSPëPePSPμPSPSCȥPj
PsP±CȥC, CȥCȥPeC†C-C— PrPëC...P°P»CHPSPëC... CȥP»CȥC...C-PI, PSPμPsP±C...C-PrPSPμ
C, PμCȥPjC-PSPsPiPμ PiCȥPsPiPμPrPμPSPSCȥ PSPμPIC-PrPeP»P°PrPSPsC— C, PμCȥP°PiC-C—,
CȥPeP° PjPsPȥPμ PIPeP»CȥC†P°C, Pë PIPiPμPrPμPSPSCȥ P°PrCȥPμPSP°P»C-PSCȥ C, P°/P°P±Ps
PiC-PrC, CȥPëPjP°PSPSCȥ PiCȥPsC...C-PrPSPsCȥC, C- PrPëC...P°P»CHPSPëC... CȥP»CȥC...C-PI.
PμP°C†C-C°PSC, PiPsPIPëPSPμPS P·PSP°C...PsPrPëC, PëCȥCH PiC-Pr PiPsCȥC, C-PNëPSPëPj
PjPμPrPëC†PSPëPj PSP°PiP»CȥPrPsPj PrPs PiPsPIPSPsPiPs C, P° CȥC, C-PNëPePsPiPs
P·PSPëPePSPμPSPSCȥ CȥPëPjPiC, PsPjC-PI.

PμP°C†C-C°PSC, Pë P· P°PSPiC-PsPSPμPICȥPsC, PëC†PSPëPj PSP°P±CȥCȥPePsPj PI
P°PSP°PjPSPμP·C-, C%Ps PSPμ P±CȥPI PiPsPiBȥ™ CȥP·P°PSPëPNë P· PiCȥPëPNëPsPjPsPj
C-PSPiC-P±C-C, PsCȥC-PI PħPμPα, PjPsPȥCȥC, CH PjP°C, Pë PiC-PrPIPëC%PμPSPëPNë
CȥPëP·PëPe PIPëPSPëPePSPμPSPSCȥ P°PSPiC-PsPSPμPICȥPsC, PëC†PSPsPiPs PSP°P±CȥCȥPeCr
PiCȥPë PiCȥPëPNëPsPjC- C-PSPiC-P±C-C, PsCȥC-PI PħPμPα (PrPëPI. CȥPsP·PrC-P»
B«PμCȥPsC, PëPiPsPeP°P·P°PSPSCȥB»).

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

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

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

PkPμPNεC, CḡPsPīPμPSC-Cḡ/P° PiCḡP°PSCzP»PsC†PēC, PsP-/C, CḡPsPjP±PsC†PēC, PsPīPμPSC-Cḡ/P° PSPμPjC-Cḡ. Pj PīP°C†C-C" PSC, C-PI, CḡPeC- PīCḡPēPNεPjP°CḡC, Cḡ C-PSPiC-P±C-C, PsCḡPē PḡPμPα, P±C†P»Ps P·P°CḡPμC" CḡC, CḡPsPIP°PSPs PIPēPīP°PrPePē PSPμPNεC, CḡPsPīPμPSC-C—/P° PiCḡP°PSC†P»PsC†PēC, PsP·C†, C, CḡPsPjP±PsC†PēC, PsPīPμPSC-C— C, P° P°PSPμPjC-C—. Pj PīP°C†C-C" PSC, C-PI C-P· PSPsCḡPjP°P»CḡPSPsCḡ C,, C†PSPeC†C-C" Cḡ PSPēCḡPsPe C, P° PīCḡPē PIC-PrCḡC†C, PSPsCḡC, C- C-PSCεPēC... C,, P°PeC, PsCḡC-PI CḡPēP·PēPeC† PSPμPNεC, CḡPsPīPμPSC-Cḡ PIPēPSPēPeP°C" CḡC-PrPePs. PμPμCḡPēPSPPrPsPīCḡPēP» CḡP»C-Pr PīCḡPēP·PSP°C†P°C, Pē PrC†PḡPμ PsP±PμCḡPμPḡPSPs PīP°C†C-C" PSC, P°Pj C-P· PePsP»P°PiPμPSPsP·P°PjPē, PīC-Pr C†P°Cḡ C, PμCḡP°PīC-C— C-PjC†PSPsCḡC†PīCḡPμCḡPsCḡP°PjPē, P°P»PsPīC†CḡPēPSPsP»PsPj C†Pē PīCḡPsPeP°C—PSP°PjC-PrPsPj P°P±Ps PīCḡPē PīPsC"PrPSP°PSPSC- C†PēC... PsP±C, CḡPḡP»PēPIPēC... C,, P°PeC, PsCḡC-PI, PsCḡPsP±P»PēPIPs CḡPeC%Ps C" PīPsCḡC†CεPμPSPSCḡ C,, C†PSPeC†C-C— PSPēCḡPsPe. Pj PrPμPePsPīPs P· C, P°PePēC... PīP°C†C-C" PSC, C-PI PIC-PrP·PSP°C†P°PICḡCḡ CḡPsP·PIPēC, PsPe CḡPμCḡPNεPsP·PSPēC... C-PSC,, PμPeC†C-PNεPSPēC... P·P°C...PIP sCḡCḡPIP°PSCḡ, C-PSPrC- Bḡ" CḡPμP·PēCḡC, PμPSC, PSPēC... PrPs C-PSC, PμPSCḡPēPIPSPsC— P°PSC, PēP±C-PsC, PēPePsC, PμCḡP°PīC-C—. PīPeC%Ps PīPμCḡPēPSPPrPsPīCḡPēP» PSPμPsP±C...C-PrPSPs PīCḡPēP·PSP°C†P°C, Pē C, P°PePēPj PīP°C†C-C" PSC, P°Pj, CḡPμPePsPjPμPSPPrC†C" C, CḡCḡCḡ PīPμCḡC-PsPrPēC†PSPs PePsPSC, CḡPsP»CḡPIP°C, Pē PeC-P»CḡPeC-CḡC, Cḡ P»PμPNεPePsC†PēC, C-PI C† PeCḡPsPIC-. PḡP°PePsPḡ PīP°C†C-C" PSC, Pē

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 CHPµPePsPjPµPSPPrPsPIP°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»). PİPeC%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
CHPµPePsPjPµPSPPrCfC"C,CHCfC¼.

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

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

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

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

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-. P|Pμ 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"ḡC, 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. P|Pμ 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,CHCḡCḡ P· C...PsP»PμCḡC,P°C,PëC†PSPsC— PḡPsPIC,CḡPSPëC†C-

C,P° CḡPsP·PIPëPIP°C"C,CHCḡCḡ C† C€PIPëPrPePsPïP»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,CHCḡCḡ PḡPsPIC,CḡPSPëC†Cḡ P°P±Ps P·PSP°C†PSPs

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

PiPsPIPëPSPSC- PïCḡPëPiPëPSPëC,Pë PiCḡPëPNëPsPj 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,PscḡPë PḡPμPḡ C†P°CḡC,C-C€Pμ

CḡPiCḡPëC†PëPSCḡCḡC,CH 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. PïPe C- C-PSC€C- C-PSPiC-P±C-C,PscḡPë

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"ḡC, PSC-Pḡ C† PiCḡPμPrCḡC,P°PIPSPëPeC-PI

C-PSC€PëC... CḡP°Cḡ, C%Ps, PjPsPḡP»PëPIPs, PiPsCḡCḡPSCḡC"C,CHCḡCḡ 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 PiCḡPs PIPëPSPëPePSPμPSPSCḡ PeP°C€P»Cḡ

PiC-Pr C†P°Cḡ PiCḡPëPNëPsPjC† C-PSPiC-P±C-C,PscḡC-PI PḡPμPḡ. P|PμPNë PeP°C€PμP»CH C"

PSPμPiCḡPsPrC†PeC,PëPIPsPëPj, C,CḡPëPIP°P»PëPj C- PïCḡPëPiPëPSCḡC"C,CHCḡCḡ

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

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

PIPsPIPēPSPμPS P±CfC,Pē C±P°CfC,PēPSPsCf PrPēC,,PμCfPμPSC†C-PNēPSPsPiPs
PrC-P°PiPSPsP·Cf PeP°CēP»Cf.

PfC-CfCáCfPiC-C±PSPμ PIC,CfCáC±P°PSPSCf/P°PSPμCfC,PμP·C-Cf. PμCfPē
C...C-CfCfCfPiC-C±PSPsPjCf PIC,CfCfC±P°PSPSC- P°P±Ps PiCfPē PiCfPsPIPμPrPμPSPSC-
P°PSPμCfC,PμP·C-C—, PsCfPsP±P»PēPIPs PiC-Pr C±P°Cf P·P°CfC,PsCfCfPIP°PSPSCf
P°PSPμCfC,PμC,PēPeP°, CfPePēPNē PiCfPēP·PIPsPrPēC,Cf PrPs P·PSPēPμPμPSPSCf
P°CfC,PμCfC-P°P»CfPSPsPiPs C,PēCfPeCf, PμPsCfPrPμCfC-Cf PμPμ PjPsPμPμ
P±P»PsPeCfPIP°C,Pē CfC,PIPsCfPμPSPSCf P°PSPiC-PsC,PμPSP·PēPSCf P†P† PiC-CfP»Cf
PePsPjPiPμPSCfP°C,PsCfPSPsPiPs PIPēPIC-P»CfPSPμPSPSCf CfPμPSC-PSCf.
P>C-PeP°CfCfCfPePēPNē P·P°CfC-P± CfP»C-Pr PIC-PrPjC-PSPēC,Pē P·P° PsPrPēPS PrPμPSCf
PrPs C...C-CfCfCfPiC-C±PSPsPiPs PIC,CfCfC±P°PSPSCf. PiPeC%Ps CfPsP·PIPēPSCfP»P°CfCf
PiC-PiPsC,PμPSP·C-Cf C- PIPiP°PμP°C,CfCfCfCf, C%Ps PIPsPSP° CfPiCfPēC±PēPSPμPSP°
CfP°PjPμ C†PēPj PjPμC...P°PSC-P·PjPsPj, CfC,P°PS C...PIPsCfPsPiPs PjPsPμPSP°
PSPsCfPjP°P»C-P·CfPIP°C,Pē P·P±C-P»CfCēPμPSPSCfPj PsP±Bf™C”PjCf
C†PēCfPeCfP»CfCfC±PsC— PeCfPsPIC-.

P”C-PiPμCfPeP°P»C-C”PjC-Cf. Pj PrPμCfPePēC... PiP°C†C-C”PSC,C-PI PSP° C,P»C-
PiCfPēPNēPsPjCf C-PSPiC-P±C-C,PsCfC-PI PμPμPμ, Cf C,PsPjCf C±PēCfP»C-
PiPμCfPēPSPrPsPiCfPēP»Cf, PIC-PrP·PSP°C±P°P»PsCfCf P·P±C-P»CfCēPμPSPSCf
PePsPSC†PμPSC,CfP°C†C-C— PeP°P»C-Cf Cf CfPēCfPsPIP°C,C†C- PeCfPsPIC-.
P†PSPiC-P±C-C,PsCfPē PμPμPμ PjPsPμCfC,Cf CfPiCfPēC±PēPSCfC,Pē
PiC-PiPμCfPeP°P»C-C”PjC-Cf, PsCfPeC-P»CfPePē PiCfPēPiPSC-C†CfCfC,Cf
PIPēPIC-P»CfPSPμPSPSCf P°P»CfPrPsCfC,PμCfPsPSCf. Pj PiP°C†C-C”PSC,C-PI P·
PSPsCfPjP°P»CfPSPsCf C,,CfPSPeC†C-C”Cf PSPēCfPsPe C†PμPNē PμC,,PμPeC,
P·P°P·PIPēC±P°PNē PSPμP·PSP°C±PSPēPNē. P”Ps C,,P°PeC,PsCfC-PI CfPēP·PēPeCf
PIPēPSPēPePSPμPSPSCf PiC-PiPμCfPeP°P»C-C”PjC-C— PSP°P»PμPμP°C,Cf: PSPēCfPePsPIP°
PSPμPrPsCfC,P°C,PSC-CfC,Cf P°P±Ps P·PSPēPμPμPSPSCf C,,CfPSPeC†C-C— PSPēCfPsPe,
PIC-Pe PiPsPSP°Pr 70 CfPsPeC-PI, C†CfPeCfPsPIPēPNē PrC-P°P±PμC,,
C-PSC,PμCfPeCfCfPμPSC,PSC- CfC,P°PSPē, C,P°PeC- CfPe PrPμPiC-PrCfP°C,P°C†C-Cf,
PiPsCfC,CfP° CfPμCfC†PμPIP° PrPμPePsPjPiPμPSCfP°C†C-Cf, PjPμC,P°P±PsP»C-C±PSPēPNē
P°C†PēPrPsP· C,P° PsPrPSPsC±P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCf P·
PeP°P»C-PNēP·P±PμCfC-PiP°CfC±PēPjPē PrC-CfCfPμC,PēPeP°PjPē
(CfPiC-CfPsPSPsP»P°PeC,PsPS, PμPiP»PμCfPμPSPsPS, C,CfPēP°PjC,PμCfPμPS P°P±Ps
P°PjC-P»PsCfPēPr), P· C...P°CfC±PsPIPēPjPē PrPsP±P°PIPeP°PjPē, C%Ps PjC-CfC,CfC,Cf
PeP°P»C-PNē, P°P±Ps P·P°PjC-PSPSPēPeP°PjPē CfPsP»C- P· PeP°P»C-C”Pj, P°P±Ps PiCfPēPNēPsPj
C-PSCēPeC... P»C-PeP°CfCfCfPePēC... P·P°CfPsP±C-PI, C%Ps CfPiCfPēC±PēPSCfCfC,Cf
PiC-PrPIPēC%PμPSPSCf PePsPSC†PμPSC,CfP°C†C-C— PeP°P»C-Cf Cf CfPēCfPsPIP°C,C†C-
PeCfPsPIC- (PiPμPiP°CfPēPS, PePs-C,CfPēPjPsPeCfP°P·PsP», C,P°PePsPμ PIC-PrPsPjPēPNē CfPe
C,CfPēPjPμC,PsPiCfPēPj/CfCfP»CfC,,P°PjPμC,PsPeCfP°P·PsP»), C- PsCfPsP±P»PēPIPs
P°PSC,P°PiPsPSC-CfC,C-PI P°P»CfPrPsCfC,PμCfPsPSCf P°P±Ps P±P»PsPeP°C,PsCfC-PI
CfPμC†PμPiC,PsCfC-PI P°PSPiC-PsC,PμPSP·PēPSCf. P—P°CfC,PsCfCfPIP°PSPSCf
C...P°CfC±PsPIPēC... PrPsP±P°PIPsPe, C%Ps PjC-CfC,CfC,Cf PeP°P»C-PNē,
PeP°P»C-PNēP·P±PμCfC-PiP°CfC±PēC... PrC-CfCfPμC,PēPeC-PI P°P±Ps P·P°PjC-PSPSPēPeC-PI
CfPsP»C- P· PeP°P»C-C”Pj, PsCfPsP±P»PēPIPs Cf PiP°C†C-C”PSC,C-PI C-P·
PiPsCfCfCēPμPSPSCfPj C,,CfPSPeC†C-C— PSPēCfPsPe, PjPsPμPμ PiCfPēP·PIPμCfC,Pē PrPs
P·PSP°C±PSPsPiPs PiC-PrPIPēC%PμPSPSCf CfC-PIPSCf PeP°P»C-Cf PI CfPēCfPsPIP°C,C†C-
PeCfPsPIC-. P”C-PiPμCfPeP°P»C-C”PjC-Cf PjPsPμPμ CfPiCfPēC±PēPSPēC,Pē
PIPēPSPēPePSPμPSPSCf CfPμCfPNēPsP·PSPsC—, C-PSPsPrC- P»PμC,P°P»CfPSPsC—
P°CfPēC,PjC-C—. PμP°C†C-C”PSC,P°Pj, CfPeC- P·P°CfC,PsCfPsPICfCfC,Cf
C-PSPiC-P±C-C,PsCfPē 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-PIPSCI 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°PSPSCI PiPµCĤPëPSPPrPsPíCĤPëP»Cr C- P±CrPrCH-
CIIPePsC— P· PIPëC%PµP·P°P·PSP°C‡PµPSPëC... CĤPµC‡PsPIPëPS PIPiP°P¶P°C”C,CHCÍCI
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-CI
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, CIIPeC- 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,CIIPiPsPj
PíPµCĤCëPsPiPs PjC-CÍCIIC‡CI C,PµCĤP°PíC-C— C-PSPiC-P±C-C,PsCĤP°PjPë PjPµPα (PrPëPI.
CĤPsP·PrC-P» B«P’P·P°C”PjPsPrC-CI P· C-PSCëPëPjPë P»C-PeP°CĤCÍCHPePëPjPë
P·P°CÍPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

P—P°PiPsP±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°PSPSCI
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,CIIP¶PePsPiPs CÍC,CrPíPµPSCI (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±CĤCIIPeCr
P»PµPiPµPSCĤ P±CrP»P° PIPëC%PsCĤ PíPsCĤC-PIPSCIIPSPs C-P·
P·P°CÍC,PsCÍCrPIP°PSPSCIIPj PíP»P°C‡PµP±Ps (PrPëPI. CĤPsP·PrC-P»
B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B»). PjPSC,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»CIICĤPSPëC... 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·
PíPsCĤCrCëPµPSPSCIIPj C,,CrPSPeC‡C-C— PíPµC‡C-PSPePë PíPµCĤC-PsPr
PSP°PíC-PIPIPëPIPµPrPµPSPSCI P°PjP»PsPrPëPíC-PSCr C” PíPsPrPsPIP¶PµPSPëPj, P°
P·PSP°C‡PµPSPSCI AUC bĤ” PIPëCÍPsPePµ; CĤPµPePsPjPµPSPPrP°C‡C-C— C%PsPrPs
PrPsP·CrPIP°PSPSCI PSPµ PIPëP·PSP°C‡PµPSC-. PŸPsPjCr P»C-PeCrPIP°PSPSCI
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 CIIPe PíCĤPë
C-PSC-C‡C-P°C‡C-C— P»C-PeCrPIP°PSPSCI, C,P°Pe C- PíC-Pr C‡P°CÍ PíC-PrPIPëC%PµPSPSCI
PrPsP·. PµP°C‡C-C”PSC,P°Pj P· PíPsCĤCrCëPµPSPSCIIPj 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»P₁P₁P°C, CH₁ PIC-Pr C₁C, C₁PiP₁PsC₁ PSPēC₁PePsPiPsC—
PSP₁PrPsC₁C, P°C, PSPsC₁C, C-. P₁PjP»PsPrPēPiC-PS PSP₁ PiPēPiPsPrPēC, CH₁C₁C 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·PiPμPeCṛ
 P·P°CṛC,PsCṛCṛPIP°PSPSCḷ Cṛ PiPμCḡC-PsPr PIP°PiC-C,PSPsCṛC,C-. PīPeC%Ps PI
 PīPμCḡC-PsPr P»C-PeCṛPIP°PSPSCḷ PīC-PrC,PIPμCḡPrP¶CṛC"°C,CHCṛCḷ
 PIP°PiC-C,PSC-CṛC,CH, P»C-PeCṛPIP°PSPSCḷ C-PSPiC-P±C-C,PsCḡP°PjPē PḡPμPα CṛP»C-Pr
 PSPμPIP°PMḡPSPs PīCḡPēPiPēPSPēC,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-
 (PiPsCḡCṛCēPμPSPSCḷ C,,CṛPSPeC†C-C— PSPēCḡPsPe, PjP°P»PsPIPsPrPrCḷ,
 CṛPiPsPIC-P»CHPSPμPSPSCḷ C,,PsCḡPjCṛPIP°PSPSCḷ PeC-CṛC,PePsPIPsC— C,PeP°PSPēPSPē
 C‡PμCḡPμPiP°) 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-PiPsC,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‡PμCḡPμPiP° PSPsPIPsPSP°CḡPsPrP¶PμPSPsPiPs. P—P°
 PSPsPIPsPSP°CḡPsPrP¶PμPSPēPjPē, C‡PēC— PjP°C,PμCḡC- Cṛ PiPμCḡC-PsPr
 PIP°PiC-C,PSPsCṛC,C- PīCḡPēPNḡPjP°P»Pē C-PSPiC-P±C-C,PsCḡPē PḡPμPα, CṛP»C-Pr
 CṛPiPsCṛC,PμCḡC-PiP°C,Pē PrP»Cḷ CṛPIPSC"°C‡P°CṛPSPsPiPs PIPēCḷPIP»PμPSPSCḷ C-
 PePsCḡPμPeC†C-C— P°CḡC,PμCḡC-P°P»CHPSPsC— PiC-PiPsC,PμPSP·C-C—.

PḡPjP»PsPrPēPiC-PS. P'PμP·PiPμPeCṛ 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 PIPiP»PēPI PSP°
 CḡPμPiCḡPsPrCṛPeC,PēPIPSC-CṛC,CH CṛPiPsCṛC,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 PiPμCḡC-PsPr PIP°PiC-C,PSPsCṛC,C-
 CḡPμPePsPjPμPSPPrPsPIP°PSPμ C,C-P»CHPePē Cṛ CḡP°P·C- PIC-PrCṛCṛC,PSPsCṛC,C-
 P±PμP·PiPμC‡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° PiP»PsPrP°.

P°PsPrC‡PIP°PSPSCḷ PīCḡC‡PrPrCḡ

PμPμCḡPēPSPPrPsPīCḡPēP». P'Pμ CḡPμPePsPjPμPSPPrPsPIP°PSPs P·P°CṛC,PsCṛCṛPIP°PSPSCḷ
 PiPμCḡPēPSPPrPsPīCḡPēP»Cṛ Cṛ PiPμCḡC-PsPr PiPsPrCṛPIP°PSPSCḷ PīCḡCṛPrPrCḡ Cṛ

P·PIBTM CИP·PeCp P· PIC-PrCfCfC,PSC-CfC,CH PrP°PSPeC.... PиC-Pr C±P°Cf
PiPsPrCrPIP°PSPSCИ PiCfCrPrPrCf P±P°P¶P°PSPs PiCfPëP·PSP°C±PëC,Pë
P°P»CHC,PиCfPSP°C,PëPIPSPI P»C-PeCfPIP°PSPSCИ C-P· P±C-P»CHC€
PrPsCfP»C-PrP¶PиPSPëPj PiCfPsC,,C-P»PиPj P±PиP·PiPиPePë, PsCfPsP±P»PëPIPs PiC-Pr
C±P°Cf PiPsPrCrPIP°PSPSCИ PSPsPIPsPSP°CfPsPrP¶PиPSPsPiPs P°P±Ps
PSPиPrPsPSPsC€PиPSPsPiPs PSPиPjPsPIP»CИC,Pë.

PhPjP»PsPrPëPiC-PS. PhPjP»PsPrPëPiC-PS PiCfPsPSPëPeP°C” Cr PiCfCrPrPSPи PjPsP»PsPePs.
P”PsP·P°, PsC,CfPëPjP°PSP° PSPиPjPsPIP»CИPj, PsC†C-PSCfPIP°P»P°CfCИ PSP°
PjC-P¶PePIP°CfC,PëP»CHPSC-PNë PsCfPSPsPIC- C- P·PSP°C...PsPrPëC,CHCfCИ PI
PrC-P°PiP°P·PsPSC- 3bTM “7 % P· PjP°PeCfPëPjP°P»CHPSPëPj P·PSP°C±PиPSPSCИPj 15 % PIC-Pr
PiCfPëPNëPSCИC,PsC— PjP°C,C-CfTM CH PrPsP·Pë. P’PiP»PëPI P°PjP»PsPrPëPiC-PSCr PSP°
PSPиPjPsPIP»CИC, PSPиPIC-PrPsPjPëPNë. P C-C€PиPSPSCИ C%PsPrPs
PiCfPsPrPsPIP¶PиPSPSCИ/PiCfPëPiPëPSPиPSPSCИ PiPsPrCrPIP°PSPSCИ PiCfCrPrPrCf
P°P±Ps PiCfPsPrPsPIP¶PиPSPSCИ/PiCfPëPiPëPSPиPSPSCИ P»C-PeCfPIP°PSPSCИ
P°PjP»PsPrPëPiC-PSPsPj CfP»C-Pr PiCfPëPNëPjP°C,Pë, P±PиCfCrC±Pë PrPs CrPIP°PiPë
PePsCfPëCfC,CH PIC-Pr PiPsPrCrPIP°PSPSCИ PiCfCrPrPrCf PrP»CИ PrPëC,PëPSPë C-
PePsCfPëCfC,CH PIC-Pr P»C-PeCfPIP°PSPSCИ P°PjP»PsPrPëPiC-PSPsPj PrP»CИ PjP°C,PиCfC-.

P»PиCfC,PëP»CHPSC-CfC,CH

PиPиCfPëPSPrPsPiCfPëP». P’PiP»PëPI PSP° CfPиPiCfPsPrCrPeC,PëPIPSCr C,,CrPSPeC†C-CH
P°P±Ps C,,PиCfC,PëP»CHPSC-CfC,CH PIC-PrCfCfC,PSC-PNë.

PhPjP»PsPrPëPiC-PS. PиCfPs PsP±PsCfPsC,PSC- P±C-PsC...C-PjC-C±PSC- P·PjC-PSPë Cr
PiPsP»PsPIC†C- CfPiPиCfPjP°C,PsP·PsC—PrP° PiPsPIC-PrPsPjP»CИP»Pë Cr PrPиCИPePëC...
PiP°C†C-C”PSC,C-PI, CИPeC- P»C-PeCfPIP°P»PëCfCИ P±P»PsPeP°C,PsCfP°PjPë
PeP°P»CHC†C-C”PIPëC... PeP°PSP°P»C-PI. PиP»C-PSC-C±PSC- PrP°PSC- C%PsPrPs
PiPsC,PиPSC†C-PNëPSPsPiPs PiPiP»PëPICr P°PjP»PsPrPëPiC-PSCr PSP°
C,,PиCfC,PëP»CHPSC-CfC,CH C” PSPиPrPsCfC,P°C,PSC-PjPë. P’C-PrPsPjPs, C%Ps Cr
PrPsCfP»C-PrP¶PиPSPSC- PSP° C%CrCfP°C... P±CrP»Ps PiPëCИPIP»PиPSPs PiPsP±C-C±PSCr
PrC-CH PSP° C,,PиCfC,PëP»CHPSC-CfC,CH CfP°PjC†C-PI.

***P—PrP°C,PSC-CfC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CfC,CH CfPиP°PeC†C-C—
PiCfPë PePиCfC¿PIP°PSPSC- P°PIC,PsC,CfP°PSCfPiPsCfC,PsPj P°P±Ps C-PSC€PëPjPë
PjPиC...P°PSC-P·PjP°PjPë.***

P”PsCfP»C-PrP¶PиPSPSCИ C%PsPrPs PiPiP»PëPICr P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cr
PиPsCfPrPиCfC-CИ PhPи PSP° P·PrP°C,PSC-CfC,CH PePиCfCrPIP°C,Pë
C,CfP°PSCfPiPsCfC,PSPëPjPë P·P°CfPsP±P°PjPë C,P° PiCfP°C†CHPIP°C,Pë P· C-PSC€PëPjPë
PjPиC...P°PSC-P·PjP°PjPë PSPи PiCfPsPIPsPrPëP»Pë. PhPjP»PsPrPëPiC-PS PjPsP¶Pи
C±PëPSPëC,Pë PSPиP·PSP°C±PSPëPNë P°P±Ps PiPsPjC-CfPSPëPNë PiPiP»PëPI PSP°
P·PrP°C,PSC-CfC,CH PePиCfCrPIP°C,Pë C,CfP°PSCfPiPsCfC,PSPëPjPë P·P°CfPsP±P°PjPë C,P°
PiCfP°C†CHPIP°C,Pë P· C-PSC€PëPjPë PjPиC...P°PSC-P·PjP°PjPë. PиPsP¶P»PëPIPI
PiPsCfCrC€PиPSPSCИ CfPиP°PeC†C-C— PiPsPrC-CИ Cr CfP°P·C- PiPëPSPëPePSPиPSPSCИ
P·P°PiP°PjPsCfPsC±PиPSPSCИ, PiPsP»PsPIPSPiPs P±PsP»CH, CfP»P°P±PePsCfC,C-,
CfC,PsPjP»CHPIP°PSPsCfC,C- P°P±Ps PSCrPrPsC,Pë. P PиPePsPjPиPSPrPsPIP°PSPs P±CrC,Pë
PsP±PиCfPиP¶PSPëPjPë, PsCfPsP±P»PëPIPs PSP° PiPsC±P°C,PeCf P»C-PeCfPIP°PSPSCИ.

$P_{\mu}P_{\sigma}C\bar{C}C\epsilon P_{\mu}PSPSC\bar{C}C, C\epsilon PSpC\bar{C}C - P_{\mu}P_{\sigma}C\bar{C}C - PSpC\bar{C}C$ (PrPëPl. $C\bar{C}P_{\sigma}P \cdot PrC - P \gg P\bar{C}$
 $B \ll P\bar{C}C\bar{C}P_{\sigma}P \pm P \gg P\bar{C}PIP_{\sigma}C\bar{C}C, C - P \cdot P^{\circ}C\bar{C}C, P_{\sigma}C\bar{C}C\bar{C}PIP^{\circ}PSPSC\bar{C}C \gg C, P^{\circ}$
 $B \ll P \propto P^{\circ}C\bar{C}P_{\mu}P^{\circ}P_{\sigma}P_{\sigma}C - PSP_{\mu}C, P\bar{C}P_{\sigma}P^{\circ}B \gg$).

Р'С-РrCГ'СrC, PSC- CГPмPePsPjPмPSPPrP°CГC-C— C%PsPrPs PrPsP·CрPIP°PSPSCЦ PrP»CЦ
 PIP°CГC-C" PSC, C-PI P· P»PмPiPePëPj C, P° PìPsPjC-CГPSPëPj PìPsCГCрC€PмPSPSCЦPj
 C,,CрPSPeCГC-C— PìPмCГC-PSPePë, C,PsPjCр PìC-PrP±PëCГP°C,Pë PrPsP·Cр PìPsC,CГC-P±PSPs
 PsP±PмCГPмP¶PSPs, CГPsP·PìPsCГPëPSP°C,Pë C,PмCГP°PìC-CГ CГP»C-Pr P·
 PSP°PNëPSPëP¶CГPëC... PrPsP· (PrPëPI. CГPsP·PrC-P»Pë B«PhCГPsP±P»PëPIPsCГC,C-
 P·P°CГC,PsCГCрPIP°PSPSCЦB» C,P° B«PαP°CГPjP°PePsPeC-PSPмC,PëPeP°B»). P"P»CЦ
 PIPëP±PsCГCр PsPìC,PëPjP°P»CHPSPsC— PìPsCГP°C,PePsPIPsC— C,P°
 PìC-PrC,CГPëPjCрCГCГPsC— PrPsP·Pë P»C-PeP°CГCГCHPePsPiPs P·P°CГPsP±Cр
 PIP°CГC-C" PSC,P°Pj P· PìPsCГCрC€PмPSPSCЦPj C,,CрPSPeCГC-C— PìPмCГC-PSPePë
 PSPмPsP±C...C-PrPSPs PsPeCГPмPjPs PìC-PrP±PëCГP°C,Pë PrPsP·Cр P°PjP»PsPrPëPìC-PSCр C-
 PìPмCГPëPSPPrPsPìCГPëP»Cр. P"PsCГP»C-PrP¶PмPSPSCЦ C,,P°CГPjP°PePsPeC-PSPмC,PëPePë
 P°PjP»PsPrPëPìC-PSCр Cр PìP°CГC-C" PSC, C-PI P· C,CЦP¶PePëPj PìPsCГCрC€PмPSPSCЦPj
 C,,CрPSPeCГC-C— PìPмCГC-PSPePë PSPм PìCГPsPIPsPrPëP»Pë. PмP°CГC-C" PSC,P°Pj P·
 PìPsCГCрC€PмPSPSCЦPj C,,CрPSPeCГC-C— PìPмCГC-PSPePë C,CЦP¶PePsPiPs CГC,CрPìPмPSCЦ
 PìCГPëPNëPsPj P°PjP»PsPrPëPìC-PSCр CГP»C-Pr CГPsP·PìPsCГPëPSP°C,Pë P·
 PSP°PNëPSPëP¶CГPëC... PrPsP·, CЦPeC- PìC-PrPIPëC%CrCГC,CH PìPsCГC,CрPìPsPIPs.

P"С-C,Pë.

РлPsCГPrPмCГC-CЦ PhPм PSPм CГPмPePsPjPмPSPPrCрC"С,CHCГCЦ PìCГPëP·PSP°CГP°C,Pë
 PrC-C,CЦPj CГPмCГPмP· PIC-PrCГ'СrC,PSC-CГC,CH PrPsCГP»C-PrP¶PмPSCH P· CрCГP°CГC,CГ
 CГC-C"С— PìCГCрPìPë PìP°CГC-C" PSC, C-PI.

PмPмCГPмPrPsP·CзPIP°PSPSCЦ.

PмCГPs PIPëPìP°PrPePë PìPмCГPмPrPsP·CрPIP°PSPSCЦ P»C-PeP°CГCГCHPePsPiPs
 P·P°CГPsP±Cр РлPsCГPrPмCГC-CЦ PhPм PSPм PìPsPIC-PrPsPjP»CЦP»PsCГCЦ. P"°PSC-
 C%PsPrPs CГPIC-PrPsPjPsPiPs PìPмCГPмPrPsP·CрPIP°PSPSCЦ P°PjP»PsPrPëPìC-PSCз C"
 PsP±PjPмP¶PмPSPëPjPë.

PŸPëPjPìC,PsPjPë: P·P° PSP°CЦPIPSPëPjPë PrP°PSPëPjPë PìCГPëPìCрCГPeP°CГC,CH, C%Ps
 PìCГPëPNëPsPj PrCрP¶Pм PIPмP»PëPePëC... PrPsP· PjPsP¶Pм PìCГPëP·PIPмCГC,Pë PrPs
 PSP°PrPjC-CГPSPsC— PìPмCГPëC,,PмCГPëCГPSPsC— PIP°P·PsPrPëP»P°C,P°CГC-C— C,P°
 PìPsPjC-CГPSPsPiPs PIPëPSPëPePSPмPSPSCЦ CГPмC,,P»PмPeC,PsCГPSPsC—
 C,P°C...C-PeP°CГPrC-C—. PмPsPIC-PrPsPjP»CЦP»Pë PìCГPs PIPëCГP°P¶PмPSCр,
 PjPsP¶P»PëPIPs, C,CГPëPIP°P»Cр CГPëCГC,PмPjPSCр PìC-PìPsC,PмPSP·C-CГ C,P° C€PsPe P·
 P»PмC,P°P»CHPSPëPj PSP°CГP»C-PrPePsPj. P C-PrPePs PìPsPIC-PrPsPjP»CЦP»Pë PìCГPs
 CГPsP·PIPëC,PsPe PSPмPeP°CГPrC-PsPiPмPSPSPsPiPs PSP°P±CГCЦPeCр P»PмPiPмPSC-PI CЦPe
 PSP°CГP»C-PrPsPe PìPмCГPмPrPsP·CрPIP°PSPSCЦ P°PjP»PsPrPëPìC-PSCр, CЦPePëPNë PjPsP¶Pм
 CГPsP·PIPëPIP°C,PëCГCЦ PIC-PrC,PмCГPjC-PSPsPIP°PSPs (CГPмCГPмP· 24БГ"48 PìPsPrPëPS
 PìC-CГP»CЦ PìCГPëPNëPsPjCр) C- PìPsC,CГPмP±CрPIP°C,Pë C€C,CрCГPSPsC—
 PIPмPSC,PëP»CЦCГC-C— P»PмPiPмPSCH. PмCГPsPIPsPeCрCГCГPëPjPë C,,P°PeC,PsCГP°PjPë
 PjPsP¶CрC,CH P±CрC,Pë CГP°PSPSC- CГPмP°PSC-PjP°CГC-PNëPSC- P·P°C...PsPrPë
 (PIPeP»CГCГP°CГCГPë PìPмCГPмPIP°PSC,P°P¶PмPSPSCЦ CГC-PrPëPSPsCГ) PrP»CЦ
 PìC-PrC,CГPëPjPePë PìPмCГC,,CрP·C-C— C,P° CГPмCГCГPмPIPsPiPs PIPëPePëPrCр.

P»C-PeCрPIP°PSPSCЦ: PeP»C-PSC-CГPSPs PIPëCГP°P¶PмPSP° PìC-PìPsC,PмPSP·C-CЦ,
 CГPìCГPëCГPëPSPмPSP° PìPмCГPмPrPsP·CрPIP°PSPSCЦPj P°PjP»PsPrPëPìC-PSCр,

РiРsC,СҲРµР±CрC” Р°РeC,РёРiРsРsC— РeР°CҲРrC-РsРiР°CрCрP»CҫCҲРsРsC—
РrРsРiРsРjРsРiРё, Р·РsРeCҲРµРjР° C±Р°CрC,РsРiРs РjРsРsC-C,РsCҲРёРsРiCр C,,CрPРeCрC-C—
CрРµCҲCрCҫ C,Р° CҲРµCрC-CҲР°C,РsCҲРsРsC— C,,CрPРeCрC-C—, РsР°РrР°РsРsCҫ
РiР°CрC-C”РsC,Cр РiРsCҲРёР·РsРsC,Р°Р»CҲРsРsРiРs РiРsР»РsР¶РµРsРsCҫ Р·
РiC-РrРsCҫC,C,СҫРj РsРёР¶РsC-C... РeC-РsCрC-РiРsРe, C- РiРsC,СҲРµР±CрC”
CрРiР°Р¶РsРsРiРs CрC,РµР¶РµРsРsCҫ Р·Р° РsР±БҲ™C”РjРsРj CрРёCҲРeCрP»CҲCҲC±РsC—
РeCҲРsРiC- C,Р° CрРµC±РsРiРёРrC-Р»РµРsРsCҫРj.

РµCҲРёР·РsР°C±РµРsРsCҫ РiР°Р·РsРeРsРsCрC,СҲРёРёРeC,РsCҲР° РjРsР¶РµР Р±CрC,Рё
РeРsCҲРёCрPРёРj РrР»Cҫ РiC-РrРsРsРiР»РµРsРsCҫ C,РsРsCрCрCрC CрCрРrРёРs C,Р°
Р°CҲC,РµCҲC-Р°Р»CҲРsРsРiРs C,РёCрCрC, СҫРeC%Рs РiC-РrCрCрC,РsC-
РiCҲРsC,РёРiРsРeР°Р·Р°РsРsCҫ. Р’РsCрC,СҲC-CёРsCҲРsРiРµРsРsРµ РiРiРµРrРµРµРsРsCҫ
РeР°Р»CҲCрC-CҲ РiР»CҲРeРsРsР°C,Cр РjРsР¶Рµ РrРsРiРsРjРsРiC,Рё CрCрCрPРµРsРsCҲ
РsР°CрC-РrРeC-Рi Р±Р»РsРeР°РrРё РeР°Р»CҲCрC-C”РiРёC... РeР°РsР°Р»C-Рi.

Рj РrРµCҫРeРёC... РiРёРiР°РrРeР°C... C” РrРsCрC-Р»CҲРsРёРj РiCҲРsРjРёРiР°РsРsCҫ
CёР»CрPРeР°. Р”РsCрC-РrР¶РµРsРsCҫ Р·Р° CрC±Р°CрC,CҲ РrРsР±CҲРsРiРsР»CҲCрC-Рi
РiCҲРsРrРµРjРsРsCрC,СҲCрРiР°Р»Рs, C%Рs РiCҲРёРёРµРsРj Р°РeC,РёРiРsРiР°РsРsРiРs
РiCрC-Р»Р»Cҫ C±РµCҲРµР· 2 РiРsРrРёРsРё РiC-CрC»Cҫ РiCҲРёРёРµРsРjCр 10 РjРi
Р°РjР»РsРrРёРiC-РsCр Р·РsРёР¶C” CёРiРёРrРeC-CрC,CҲ Р°Р±CрCҲР±CрC-C—
Р°РjР»РsРrРёРiC-РsCр Рi РsCҲРiР°РsC-Р·РjC-. Рj CрРёCрC,РµРjРsРsРjCр
РeCҲРsРiРsРs±C-РiCр Р°РjР»РsРrРёРiC-Рs РjР°C” РiРёCрCРeРёРµРҲ CҲC-РiРµРsCҲ
Р·РiБҲ™CҫР·CрРiР°РsРsCҫ Р· Р±C-Р»РeР°РjРё РeCҲРsРiC-, C,РsРjCр РiРµРjРsРrC-Р°Р»C-Р·
РsРµ РµC,,РµРeC,РёРiРsРёРµРҲ.

РрРsC,,РsCҲРjР°CрC-Cҫ РiCҲРs РiРµCҲРµРrРsР·CрРiР°РsРsCҫ РiРµCҲРёРёРsРrРsРiCҲРёР»C”
РsР±РjРµР¶РµРsРsCҲ. РµCҲРё РiРµCҲРµРrРsР·CрРiР°РsРsC- C-РsРiC-Р±C-C,РsCҲC-Рi РҲРµРµ
РjРsР¶CрC,CҲ РiРёРsРёРeРsCрC,Рё РiC-РiРsC,РµРsР·C-Cҫ, CрРёCҲРeCрP»CҫC,РsCҲРsРёРµРҲ
CёРsРe, РiРsCҲCрCёРµРsРsCҫ РµР»РµРeC,СҲРsР»C-C,РsРsРiРs Р±Р°Р»Р°Р»Р°РsCрC,
РsРёCҲРeРsРiР° РsРµРrРsCрC,Р°C,РsC-CрC,CҲ, РiC-РiРµCҲРiРµРsC,РёР»CҫCрC-Cҫ,
C,Р°C...C-РeР°CҲРrC-Cҫ, РiР°Р»CҲРiC-C,Р°CрC-Cҫ, Р±CҲР°РrРёРeР°CҲРrC-Cҫ,
Р·Р°РiР°РjРsCҲРsC±РµРsРsCҫ, C,СҲРёРiРsР¶РsC-CрC,CҲ C,Р° РeР°CёРµРµCҲ.

РµCҲРё РiРµCҲРµРrРsР·CрРiР°РsРsC- СҲРµРeРsРjРµРsРrCрC”C,CҲCрCҫ
РiРsCрC,СҲC-CёРsCҲРsРiРµРsРsРµ РiРiРµРrРµРµРsРsCҫ СҲРsР·C±РёРsCрC C...Р»РsCҲРёРrCрC
РsР°C,СҲC-CҲ 0,9 %. Рj СҲР°Р·C- РiРёРsРёРeРsРµРsРsCҫ РiC-РiРsC,РµРsР·C-C—
РiР°CрC-C”РsC,Cр РsРµРsР±C...C-РrРsРs РsР°РrР°C,Рё РiРsCҲРёР·РsРsC,Р°Р»CҲРsРsРiРs
РiРsР»РsР¶РµРsРsCҫ. РŸР»C-Рr СҲРsР·РiР»CҫРsC,Рё РjРsР¶Р»Р»РёC-CрC,CҲ
РiCҲРsРiРµРrРµРµРsРsCҫ C-РsC,,CрC-C— Р·Р°РsРiC-РsC,РµРsР·РёРsРj РрC Р°Р/Р°Р±Рs
РiРsCрC,СҲC-CёРsCҲРsРiРµРsРsРiРs РiРiРµРrРµРµРsРsCҫ РeР°C,РµC...РsР»Р°РjC-РsC-Рi.
РµРµCҲРёРёРsРrРsРiCҲРёР» РjРsР¶Рµ Р±CрC,Рё РiРёРiРµРrРµРµРsРёР· Р· CрCрCрC,РµРjРsРsРiРs
РeCҲРsРiРsРs±C-РiCр Р·Р° РrРsРiРsРjРsРiРsCҲ РiРµРjРsРrC-Р°Р»C-Р·Cр (РrРёРi. СҲРsР·РrC-Р»
Б«РҲCрCР±Р»РёРiРsCрC, C- Р°CрC,РsCрCрРiР°РsРsCҫБ»). РµCҲРё РiРёРsРёРeРsРµРsРµРsРsC-
CрC,C-РµРeРsC— РrРs Р»C-РeCрРiР°РsРsCҫ Р±CҲР°РrРёРeР°CҲРrC-C— РjРsР¶Р»Р»РёРµРiРµ
Р·Р°CрC,РsCрCРiCрРiР°РsРsCҫ CёC,CрC±РsРsРiРs РiРsРrC-Cҫ СҲРёC,РjCр.
РкРµРsР±C...C-РrРsРёРµРҲ РiРsCрC,C-РµРsРёРµРҲ РjРsРsC-C,РsCҲРёРёРs РsCрPРsРiРsРёC...
РiРsРeР°Р·РsРёРeC-Рi Р¶РёC,C,C”РrC-CҫР»CҲРsРsCрC,C-, СҲC-РiРsCҫ
РeРsРsCрРµРsC,СҲР°CрC-C— РµР»РµРeC,СҲРsР»C-C,C-Рi C,Р° РeCҲРµР°C,РёРsC-РsCр Cр
CрРёCҲРsРiР°C,CрC- РeCҲРsРiC-.

$\text{P}\ddot{\text{K}}\text{P}^{\circ}\text{P}\text{N}_{\text{C}}\text{C}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{C}-\text{C}\ddot{\text{E}}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{J}}\text{P}\ddot{\text{E}} \text{P}\ddot{\text{I}}\text{P}\text{S}\text{P}\pm\text{C}-\text{C}\ddot{\text{P}}\text{S}\ddot{\text{P}}\ddot{\text{E}}\text{P}\ddot{\text{J}}\text{P}\ddot{\text{E}} \text{C}\ddot{\text{H}}\text{P}_{\mu}\text{P}^{\circ}\text{P}\text{eC}\ddot{\text{I}}\text{C}-\text{C}\ddot{\text{I}}\text{P}\ddot{\text{J}}\text{P}\ddot{\text{E}}, \text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\text{S} \text{C}\ddot{\text{I}}\text{P}\text{eC}-$
 $\text{P}\ddot{\text{I}}\text{P}\text{S}\text{P}\text{IC}-\text{P}\ddot{\text{r}}\text{P}\text{S}\text{P}\ddot{\text{J}}\text{P}\gg\text{C}\ddot{\text{I}}\text{P}\gg\text{P}\text{S}\text{C}\dot{\text{I}}\text{C}\ddot{\text{I}} \text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}} \text{P}\text{S}\text{P}\text{eC}\ddot{\text{H}}\text{P}_{\mu}\text{P}\ddot{\text{J}}\text{P}\text{S}\text{P}\ddot{\text{J}}\text{C}\ddot{\text{r}} \text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{P}\text{S}\text{C}\dot{\text{I}}\text{C}\ddot{\text{r}}\text{P}\text{IP}^{\circ}\text{P}\text{S}\text{P}\text{SC}-$
 $\text{P}\ddot{\text{I}}\text{P}_{\mu}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\text{S}\text{P}\ddot{\text{r}}\text{P}\text{S}\text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\gg\text{C}\ddot{\text{r}} \text{P}\text{N}_{\text{C}} \text{P}^{\circ}\text{P}\ddot{\text{J}}\text{P}\gg\text{P}\text{S}\text{P}\ddot{\text{r}}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{I}}\text{C}-\text{P}\text{S}\text{C}\ddot{\text{r}}, \text{C}^{\circ}: \text{P}\text{S}\text{P}^{\circ}\text{P}\pm\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{P}\text{eP}\ddot{\text{E}},$
 $\text{C}\dot{\text{I}}\text{P}\text{S}\text{P}\text{S}\text{P}\gg\text{P}\ddot{\text{E}}\text{P}\text{IC}-\text{C}\dot{\text{I}}\text{C}, \text{C}\text{H}_{\text{B}}, \text{P}\cdot\text{P}^{\circ}\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{P}\ddot{\text{J}}\text{P}\text{S}\text{C}\ddot{\text{H}}\text{P}\text{S}\text{C}\ddot{\text{P}}\text{P}_{\mu}\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I}, \text{P}\ddot{\text{I}}\text{P}\text{S}\text{P}\gg\text{P}\text{S}\text{P}\text{IP}\text{S}\text{P}\ddot{\text{E}}\text{P}\text{N}_{\text{C}} \text{P}\pm\text{C}-\text{P}\gg\text{C}\text{H}_{\text{B}}$
 $(\text{P}\text{S}\text{C}\dot{\text{I}}\text{P}\text{S}\text{P}\pm\text{P}\gg\text{P}\ddot{\text{E}}\text{P}\text{IP}\text{S} \text{P}\text{S}\text{P}^{\circ} \text{P}\ddot{\text{I}}\text{P}\text{S}\text{C}\ddot{\text{P}}^{\circ}\text{C}, \text{P}\text{eC}\ddot{\text{r}} \text{P}\gg\text{C}-\text{P}\text{eC}\ddot{\text{r}}\text{P}\text{IP}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I}), \text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{P}\text{S}\text{C}, \text{P}\text{IP}\text{S}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I}$
 $\text{C}\dot{\text{I}}\text{P}\ddot{\text{J}}\text{P}^{\circ}\text{P}\text{eC}\ddot{\text{r}} (\text{P}\ddot{\text{r}}\text{P}\ddot{\text{E}}\text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{P}_{\mu}\text{P}\text{IP}\cdot\text{C}-\text{C}\ddot{\text{I}}\text{I}), \text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{C}\dot{\text{I}}\text{C}, \text{P}_{\mu}\text{P}\cdot\text{C}-\text{C}\ddot{\text{I}}\text{I}, \text{P}\ddot{\text{I}}\text{P}\text{S}\text{C}\ddot{\text{H}}\text{C}\ddot{\text{r}}\text{C}\ddot{\text{E}}\text{P}_{\mu}\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I} \text{P}\cdot\text{P}\text{S}\text{C}\ddot{\text{H}}\text{C}\ddot{\text{r}}$
 $(\text{P}\text{IP}\text{eP}\gg\text{C}\text{H}_{\text{C}}\text{C}\ddot{\text{P}}^{\circ}\text{C}\text{H}_{\text{C}}\ddot{\text{P}}\ddot{\text{E}} \text{P}\ddot{\text{r}}\text{P}\text{IP}\text{S}\text{C}-\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I}), \text{P}\ddot{\text{r}}\text{P}\cdot\text{P}\text{IC}-\text{P}\text{S} \text{C}\ddot{\text{r}} \text{P}\text{IC}\ddot{\text{r}}\text{C}\dots\text{P}^{\circ}\text{C}\dots, \text{P}\text{IP}_{\mu}\text{C}\ddot{\text{H}}\text{C}, \text{P}\ddot{\text{E}}\text{P}\ddot{\text{I}}\text{P}\text{S},$
 $\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{P}\gg\text{C}\text{H}_{\text{B}}\text{P}\ddot{\text{I}}\text{C}-\text{C}, \text{P}^{\circ}\text{C}\ddot{\text{I}}\text{C}-\text{C}\ddot{\text{I}}\text{I}, \text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{I}}\text{P}\gg\text{P}\ddot{\text{E}}\text{P}\text{IP}\ddot{\text{E}}, \text{P}\ddot{\text{I}}\text{C}-\text{P}\ddot{\text{I}}\text{P}\text{S}\text{C}, \text{P}_{\mu}\text{P}\text{S}\text{P}\cdot\text{C}-\text{C}\ddot{\text{I}}\text{I} (\text{C}, \text{P}^{\circ}$
 $\text{P}\ddot{\text{I}}\text{P}\text{S}\text{P}\text{I}\text{B}\ddot{\text{H}}^{\text{TM}} \text{C}\ddot{\text{I}}\text{P}\cdot\text{P}^{\circ}\text{P}\text{S}\text{C}- \text{P}\cdot\text{P}\text{S}\text{P}_{\mu}\text{C}\text{H} \text{C}\dot{\text{I}}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{J}}\text{P}\ddot{\text{I}}\text{C}, \text{P}\text{S}\text{P}\ddot{\text{J}}\text{P}\ddot{\text{E}}), \text{P}\cdot\text{P}^{\circ}\text{P}\ddot{\text{r}}\text{P}\ddot{\text{E}}\text{C}\ddot{\text{E}}\text{P}\text{eP}^{\circ}, \text{P}\text{eP}^{\circ}\text{C}\ddot{\text{E}}\text{P}_{\mu}\text{P}\gg\text{C}\text{H}_{\text{B}},$
 $\text{P}\pm\text{C}-\text{P}\gg\text{C}\text{H}_{\text{B}} \text{C}\ddot{\text{r}} \text{P}\P\ddot{\text{E}}\text{P}\text{IP}\text{S}\text{C}, \text{C}-, \text{P}\text{S}\text{C}\ddot{\text{r}}\text{P}\ddot{\text{r}}\text{P}\text{S}\text{C}, \text{P}^{\circ}, \text{P}\pm\text{P}\gg\text{C}\text{H}\text{P}\text{IP}^{\circ}\text{P}\text{S}\text{P}\text{S}\text{C}\ddot{\text{I}}\text{I}, \text{P}\ddot{\text{r}}\text{P}\ddot{\text{E}}\text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{P}_{\mu}\text{P}\ddot{\text{I}}\text{C}\dot{\text{I}}\text{C}-\text{C}\ddot{\text{I}}\text{I},$
 $\text{P}\cdot\text{P}\ddot{\text{J}}\text{C}-\text{P}\text{S}\text{P}^{\circ} \text{C}\ddot{\text{H}}\text{P}\ddot{\text{E}}\text{C}, \text{P}\ddot{\text{J}}\text{C}\ddot{\text{r}} \text{P}\ddot{\text{r}}\text{P}_{\mu}\text{C}, \text{P}_{\mu}\text{P}\text{eP}^{\circ}\text{C}\ddot{\text{I}}\text{C}-\text{C}-, \text{P}\ddot{\text{r}}\text{C}-\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{C}\ddot{\text{I}}\text{I}, \text{P}\cdot\text{P}^{\circ}\text{P}\ddot{\text{I}}\text{P}\text{S}\text{C}\ddot{\text{H}}, \text{C}\dot{\text{I}}\text{P}\text{IP}_{\mu}\text{C}\ddot{\text{H}}\text{P}\pm\text{C}-\text{P}\P,$
 $\text{P}\text{IP}\ddot{\text{E}}\text{C}\dot{\text{I}}\text{P}\ddot{\text{E}}\text{P}\ddot{\text{I}}, \text{P}_{\mu}\text{P}\text{eP}\cdot\text{P}^{\circ}\text{P}\text{S}\text{C}, \text{P}_{\mu}\text{P}\ddot{\text{J}}\text{P}^{\circ}, \text{P}\text{S}\text{P}^{\circ}\text{P}\pm\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{P}\text{e} \text{C}\dot{\text{I}}\text{C}\ddot{\text{r}}\text{P}\ddot{\text{I}}\text{P}\gg\text{P}\text{S}\text{P}\pm\text{C}-\text{P}\text{I} (\text{P}\text{S}\text{P}^{\circ}\text{P}\pm\text{C}\ddot{\text{H}}\text{C}\ddot{\text{I}}\text{P}\text{e}$
 $\text{C}\%_{\text{O}}\text{P}\ddot{\text{E}}\text{P}\text{eP}\text{S}\text{P}\gg\text{P}\text{S}\text{C}, \text{P}\text{S}\text{P}\text{e}), \text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{P}\cdot\text{P}\ddot{\text{J}}\text{P}\ddot{\text{E}} \text{P}\text{J}\text{B}\ddot{\text{H}}^{\text{TM}} \text{C}\ddot{\text{I}}\text{P}\cdot\text{C}-\text{P}\text{I}, \text{P}\ddot{\text{I}}\text{C}-\text{P}\ddot{\text{r}}\text{P}\text{IP}\ddot{\text{E}}\text{C}\%_{\text{O}}\text$

PTSC, PpC-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±PsPeCŕ CГPёCЃC,PµPjPё PeCH₃PSIC- C,P° P»C-PjC,,P°C,PёC‡PSPSc— CГPёCЃC,PµPjPё:
PµPsP·PёPSPSc,,C-P»C-CЦ (PSPµC‡P°CЃC,Ps* вґ” ПіPµCH₃PёPSPPrPsPiCH₃PёP»);
P»PµPNёPePsPiPµPSC-CЦ/PSPµPNёC,CH₃PsPiPµPSC-CЦ (PrCŕP¶Pµ CH₃C-PrPePs вґ”
P°PjP»PsPrPёPiC-PS C,P° PiPµCH₃PёPSPPrPsPiCH₃PёP») (PrPёPI. CH₃PsP·PrC-P»
B«PhCЃPsP±P»PёPIPsCЃC,C- P·P°CЃC,PsCЃCŕPIP°PSPSCЦB»); P°PiCH₃P°PSCŕP»PsC‡PёC,PsP·
P°P±Ps PiP°PSC‡PёC,PsPiPµPSC-CЦ (PrCŕP¶Pµ CH₃C-PrPePs вґ” ПіPµCH₃PёPSPPrPsPiCH₃PёP») (PrPёPI.
CH₃PsP·PrC-P» B«PhCЃPsP±P»PёPIPsCЃC,C- P·P°CЃC,PsCЃCŕPIP°PSPSCЦB»);
C,CH₃PsPjP±PsC‡PёC,PsPiPµPSC-CЦ (PrCŕP¶Pµ CH₃C-PrPePs вґ” P°PjP»PsPrPёPiC-PS C,P°
PiPµCH₃PёPSPPrPsPiCH₃PёP») (PrPёPI. CH₃PsP·PrC-P» B«PhCЃPsP±P»PёPIPsCЃC,C-
P·P°CЃC,PsCЃCŕPIP°PSPSCЦB»); PµPSP·PёPjPsCЃPiPµC‡PёC,,C-C‡PSP° PiPµPjPsP»C-C,PёC‡PSP°
P°PSPµPjC-CЦ Cŕ PiP°C‡C-C”PSC,C-PI P· CŕCH₃PsPrP¶PuPSPScCH PSPµPrPsCЃC,P°C,PSC-CЃC,CH

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
CÇCÍPµPS (PrCrP¶Pµ CÇC-PrPePs BÇ" P°PjP»PsPrPëPiC-PS); P±C-P»CH Cr P¶PëPIPsC,C-
(C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPrPsPiCÇPëP»); PSCrPrPsC,P°
(C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPrPsPiCÇPëP»); B P±P»CÇPIP°PSPSCÇ
(PSPµC‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS; C‡P°CÍC,Ps BÇ" PiPµCÇPëPSPrPsPiCÇPëP»);
PrPëCÍPiPµPiCÍC-CÇ (C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPrPsPiCÇPëP»);
P·PjC-PSP° CÇPëC,PjCr PrPµC,,PµPeP°C†C-C— (C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS);
CÍCrC...C-CÍC,CH Cr CÇPsC,C- (PSPµC‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPrPsPiCÇPëP»); PrC-P°CÇPµCÇ (C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPrPsPiCÇPëP»); P·P°PiPsCÇ (C‡P°CÍC,Ps BÇ" P°PjP»PsPrPëPiC-PS C,P°
PiPµCÇPëPSPrPsPiCÇPëP»); PiP°PSPeCÇPµP°C,PëC, (PrCrP¶Pµ CÇC-PrPePs BÇ"
P°PjP»PsPrPëPiC-PS C,P° PiPµCÇPëPSPrPsPiCÇPëP»); PiP°CÍC,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,CḡPSPēC†Cḡ (PrCfP¶Pμ CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS);
C†PēC,PsP»C-C,PēC†PSPēPNē P°P±Ps C...PsP»PμCḡC,P°C,PēC†PSPēPNē 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 PiPμC†C-PSPePsPIPēC...
C,,PμCḡPjPμPSC,C-PI (PiPμCḡPμPIP°P¶PSPs CḡPiCḡPēC†PēPSPμPSC- 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,PēC†PSPēPNē PSP°P±CḡCḡPe PḡPIC-PSPePμ (PrCfP¶Pμ CḡC-PrPePs
bḡ" P°PjP»PsPrPēPiC-PS); P°PSPiC-PsPSPμPICḡPsC,PēC†PSPēPNē PSP°P±CḡCḡPe
PsP±P»PēC†C†Cḡ, PeC-PSC†C-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; PSPμC†P°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»PsPiPμC†C-Cḡ (PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS);B
PiCḡCḡPiCḡCḡP° (PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); P·PSPμP±P°CḡPIP»PμPSPSCḡ
CēPeC-CḡPē (PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); PiC-PiPμCḡPiC-PrCḡPsP·
(PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS C,P° PiPμCḡPēPSPrPsPiCḡPēP»); CḡPIPμCḡP±C-P¶
(PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS; C†P°CḡC,Ps bḡ" PiPμCḡPēPSPrPsPiCḡPēP»);
PIPēCḡPēPi, PμPeP·P°PSC,PμPjP° (PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS; C†P°CḡC,Ps bḡ"
PiPμCḡPēPSPrPsPiCḡPēP»); PeCḡPsPiPēPIbḡ™ CḡPSPeP° (PSPμC†P°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°PeC†C-C—
C,,PsC,PsC†CfC,P»PēPIPsCḡC,C- (PrCfP¶Pμ CḡC-PrPePs bḡ" P°PjP»PsPrPēPiC-PS;
PSPμC†P°CḡC,Ps* bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); PiPμPjC,,C-PiPsC—Pr (PSPμC†P°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,PsPeCḡPēC†PSPēPNē
PμPiC-PrPμCḡPjP°P»CHPSPēPNē PSPμPeCḡPsP»C-P· (C†P°CḡC,PsC,P° PSPμPIC-PrPsPjP°
bḡ" P°PjP»PsPrPēPiC-PS).

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

P— P±PsPeCf CḡPμC†PsPIPēPrC-P»CHPSPsC— CḡPēCḡC,PμPjPē: PiPsCḡCfCēPμPSPSCḡ
CḡPμC†PsPIPēPiCfCḡPeP°PSPSCḡ, PSC-PeC,CfCḡC-Cḡ, PiPsP»P°PeC-CfCḡC-Cḡ (C†P°CḡC,Pμ
CḡPμC†PsPIPēPiCfCḡPeP°PSPSCḡ) (PSPμC†P°CḡC,Ps bḡ" P°PjP»PsPrPēPiC-PS); PSPēCḡPePsPIP°
PSPμPrPsCḡC,P°C,PSC-CḡC,CH (PSPμC†P°CḡC,Ps bḡ" PiPμCḡPēPSPrPsPiCḡPēP»); PiPsCḡC,CḡP°
PSPēCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,CH (CḡC-PrPePs bḡ" PiPμCḡPēPSPrPsPiCḡPēP»);
P°PSCḡCḡC-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° PīPμCḡPēPSPrPsPīCḡPēP»); 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 PīPμCḡPēPSPrPsPīCḡPēP»); 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 PīPμCḡPēPSPrPsPīCḡPēP»); P°CḡC, PμPSC-Cḡ (C±P°CḡC, Ps bḡ P°PjP»PsPrPēPīC-PS C, P°
PīPμCḡPēPSPrPsPīCḡPēP»); 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
PīPμCḡPēPSPrPsPīCḡPēP»); PīC-PīPμCḡC, PμCḡPjC-Cḡ (PSPμC±P°CḡC, Ps* bḡ
PīPμCḡPēPSPrPsPīCḡPēP»).

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 PīPμCḡPēPSPrPsPīCḡPēP»);
PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C, PēPSC-PSCḡ Cḡ PeCḡPsPIC-
(PSPμC±P°CḡC, Ps* bḡ PīPμCḡPēPSPrPsPīCḡPēP»); PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ
P±C-P»C-CḡCḡP±C-PSCḡ Cḡ PeCḡPsPIC- (CḡC-PrPePs bḡ PīPμCḡPēPSPrPsPīCḡPēP»);
PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PīPμC±C-PSPePsPIPēC... C, PμCḡPjPμPSC, C-PI
(CḡC-PrPePs bḡ PīPμCḡPēPSPrPsPīCḡPēP»); P·PSPēPḡPμPSPSCḡ CḡC-PIPSCḡ
PiPμPjPsPiP»PsP±C-PSCḡ C, P° PiPμPjP°C, PsPeCḡPēC, Cḡ (PrCḡPḡPμ CḡC-PrPePs bḡ
PīPμCḡPēPSPrPsPīCḡPēP»).

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

*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°PiP»CḡPrCḡ P·P° PīPsCḡPēP»P°PSPSCḡPj: <https://aisf.dec.gov.ua>.

PŷPµCḤPjC-PS PïCḤPëPrP°C,PSPsCÍC,C-.

2 CḤPsPePë.

PJPjPsPIPë P·P±PµCḤC-PiP°PSPSCII.

P—P±PµCḤC-PiP°C,Pë PïCḤPë C,PµPjPïPµCḤP°C,CÍCḤC- PSPµ PIPëC‰Pµ 30 B°C PI
PsCḤPëPiC-PSP°P»CḤPSC-PN̄ CÍPïP°PePsPIC†C-.

P—P±PµCḤC-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,PµCḤC-. PµPs 3 P±P»C-CÍC,PµCḤPë CÍ
PïP°C‡C†C- P· PeP°CḤC,PsPSCÍ.

PḤP°C,PµPiPsCḤC-CII PIC-PrPïCÍCÍPeCÍ.

P—P° CḤPµC†PµPïC,PsPj.

P'PëCḤPsP±PSPëPe.

PḥPŷ B«PᄁP°CḤPjP°PeB».

**PḤC-CÍC†PµP·PSP°C...PsPrP¶PµPSPSCII PIPëCḤPsP±PSPëPeP° C,P° P°PrCḤPµCÍP°
PjC-CÍC†CII PïCḤPsPIP°PrP¶PµPSPSCII PN̄PsPiPs PrC-CII P»CḤPSPsCÍC,C-.**

PJPeCḤP°C—PSP°, 04080, Pj. PḤPëC—PI, PICÍP». PḤPëCḤPëP»C-PICÍCḤPeP°, 74.