

**P†PǎPŸPŸP PJPљP†P†Pİ**

**PrP»Cİ PjPµPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCfPIP°PSPSCİ P»C-PeP°CĤCÍCHPePsPiPs  
P·P°CÍPsP±CÍ**

**PħP'PħP''P-P†Pħ<sup>0</sup>B**

**(AUBAGIO<sup>0</sup>)**

**PŸPeP»P°Pr:**

*PrC-CHC‡P°B CĤPµC‡PsPIPëPSP°: C,PµCĤPëC,,P»CÍPSPsPjC-Pr;*

1 C,P°P±P»PµC,PeP°, PIPeCĤPëC,P° PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ,  
PjC-CÍC,PëC,CH C,PµCĤPëC,,P»CÍPSPsPjC-PrCÍ 7 PjPi;

*PrPsPiPsPjC-P¶PSC- CĤPµC‡PsPIPëPSPë: CİPrCĤPs C,P°P±P»PµC,PePë: P»P°PeC,PsP·Pë  
PjPsPSPsPiC-PrCĤP°C,, PeCĤPsC...PjP°P»CH PeCÍPeCÍCĤCÍPrP·CİPSPëPñ,  
PiC-PrCĤPsPeCÍPëPİCĤPsPiC-P»C†PµP»CĤP»PsP·P°, C†PµP»CĤP»PsP·P°  
PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP°, PSP°C,CĤC-CĤ PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC,  
(C,PëPİ Pħ), PjP°PiPSC-CĤ CÍC,PµP°CĤP°C,; PsP±PsP»PsPSPeP° C,P°P±P»PµC,PePë:  
PiC-PİCĤPsPjPµP»PsP·P°, C,PëC,P°PSCÍ PrC-PsPeCÍPëPr (P• 171), C,P°P»CHPe,  
PjP°PeCĤPsPiPsP», C-PSPrPëPiPsPeP°CĤPjC-PS (P• 132), P·P°P»C-P·P° PsPeCÍPëPr  
P¶PsPIC,PëPñ (P•172).*

1 C,P°P±P»PµC,PeP°, PIPeCĤPëC,P° PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ,  
PjC-CÍC,PëC,CH C,PµCĤPëC,,P»CÍPSPsPjC-PrCÍ 14 PjPi;

*PrPsPiPsPjC-P¶PSC- CĤPµC‡PsPIPëPSPë: CİPrCĤPs C,P°P±P»PµC,PePë: P»P°PeC,PsP·Pë  
PjPsPSPsPiC-PrCĤP°C,, PeCĤPsC...PjP°P»CH PeCÍPeCÍCĤCÍPrP·CİPSPëPñ,  
PiC-PrCĤPsPeCÍPëPİCĤPsPiC-P»C†PµP»CĤP»PsP·P°, C†PµP»CĤP»PsP·P°  
PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP°, PSP°C,CĤC-CĤ PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC,  
(C,PëPİ Pħ), PjP°PiPSC-CĤ CÍC,PµP°CĤP°C,; PsP±PsP»PsPSPeP° C,P°P±P»PµC,PePë:  
PiC-PİCĤPsPjPµP»PsP·P°, C,PëC,P°PSCÍ PrC-PsPeCÍPëPr (P• 171), C,P°P»CHPe,  
PjP°PeCĤPsPiPsP», C-PSPrPëPiPsPeP°CĤPjC-PS (P• 132).*

**P»C-PeP°CĤCÍCHPeP° C,,PsCĤPjP°.** PŸP°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ  
PsP±PsP»PsPSPePsCĤ.

*PħCÍPSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-:*

PŸP°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ PsP±PsP»PsPSPePsCĤ, PİPs 7 PjPi:  
PIC-Pr PrCÍP¶Pµ CÍPIC-C,P»Ps-P·PµP»PµPSCÍPIP°C,Ps-P±P»P°PePëC,PSPs-CÍC-CĤPsPiPs PrPs  
P±P»C-PrPs-P·PµP»PµPSCÍPIP°C,Ps-P±P»P°PePëC,PSPsPiPs PePsP»CHPsCĤCÍ  
C€PµCÍC,PëPeCÍC,PSC- C,P°P±P»PµC,PePë, PIPeCĤPëC,C- PİP»C-PIPePsPIPsCĤ  
PsP±PsP»PsPSPePsCĤ, PrC-P°PjPµC,CĤPsPj 7,5 PjPj, P· PIC-PrC,PëCÍPePsPj PIPjC-CÍC,CÍ  
PrC-CĤC‡PsC— CĤPµC‡PsPIPëPSPë CÍ PIPëPİP»CİPrC- C†PëC,,CĤPë B«7B» P· PsPrPSPsPiPs

P±PsPeCf C,P° PIPëPiCtjP°PIC-CHPIP°PSPëPj PePsCtjPiPsCtjP°C,PëPIPSPëPj P»PsPiPsC,PëPiPsPj P· C-PSCëPsPiPs.

PÿP°P±P»PµC,PePë, PIPeCtjPëC,C- PïP»C-PIPePsPIPsCtj PsP±PsP»PsPSPePsCtj, PïPs 14 PjPi: P±P»C-PrPs-P±P»P°PePëC,PSC- PïBtj™ C¼C,PëPeCfC,PSC- C,P°P±P»PµC,PePë, PIPeCtjPëC,C- PïP»C-PIPePsPIPsCtj PsP±PsP»PsPSPePsCtj, PrC-P°PjPµC,CtjPsPj 7,5 PjPj, P· PIC-PrC,PëCfPePsPj PIPjC-CfC,Cf PrC-CHC±PsC— CtjPµC±PsPIPëPSPë Cf PIPëPiP»C¼PrC- CtPëC,,CtjPë B«14B» P· PsPrPSPsPiPs P±PsPeCf C,P° PIPëPiCtjP°PIC-CHPIP°PSPëPj PePsCtjPiPsCtjP°C,PëPIPSPëPj P»PsPiPsC,PëPiPsPj P· C-PSCëPsPiPs.

**PαP°CtjPjP°PePsC,PµCtjP°PïPµPIC,PëC±PSP° PiCtjCfPïP°.**

PtjPSC,PëPSPµPsPïP»P°CfC,PëC±PSC- C,P° C-PjCfPSPsPjPsPrCfP»CHCtjC±C- P·P°CfPsP±Pë. P±PjCfPSPsCfCfPïCtjPµCfP°PSC,Pë. P±PSPiC-P±C-C,PSCtjPë PrPëPiC-PrCtjPsPsCtjPsC,P°C,PrPµPiC-PrCtjPsPiPµPSP°P·Pë (P”P”PhP”P”). PÿPµCtjPëC,,P»CfPSPsPjC-Pr.

PµPsPr PtjPÿPΓ L04AK02.

**PαP°CtjPjP°PePsP»PsPiC-C±PSC- PIP»P°CfC,PëPIPsCfC,C-.**

PαP°CtjPjP°PePsPrPëPSP°PjC-PeP°.

PµPµC...P°PSC-P·Pj PrC-C—

PÿPµCtjPëC,,P»CfPSPsPjC-Pr Btj” C-PjCfPSPsPjPsPrCfP»CHCtjC±PëPµ P·P°CfC-P± P· PïCtjPsC,PëP·P°PïP°P»CHPSPëPjPë PIP»P°CfC,PëPIPsCfC,C¼PjPë, C°Ps CfPµP»PµPeC,PëPIPSPs C,P° PsP±PsCtjPsC,PSPs C-PSPiC-P±CfC” PjC-C,PSC...PsPSPrCtjC-P°P»CHPSPëPµ C,,PµCtjPjPµPSC, PrPëPiC-PrCtjPsPsCtjPsC,P°C,PrPµPiC-PrCtjPsPiPµPSP°P·Cf (P”P”Ph-P”P”), C,,CfPSPeCfC-PsPSP°P»CHPSPs PïPsPïBtj™ C¼P·P°PSCf P· PrPëC...P°P»CHPSPëPj P»P°PSC±CHPiPsPj. P’PSP°CfP»C-PrPsPe C±CHPsPiPs C-PSPiC-P±CfPIP°PSPSC¼ C,PµCtjPëC,,P»CfPSPsPjC-Pr P·P°PiP°P»PsPj P·PjPµPSCëCfC” PïCtjPsP»C-,,PµCtjP°CfC-CH PeP»C-C,PëPS, C¼PeC- CëPIPëPrPePs PrC-P»C¼C,CHCfC¼ C,P° PïPsC,CtjPµP±CfCtjC,CH de novo CfPëPSC,PµP·Cf PïC-CtjPëPjC-PrPëPSCf PrP»C¼ CfPïPsPiPs CtjPsP·PIPëC,PeCf. PÿPsC±PSPëPµ PjPµC...P°PSC-P·Pj, P·P° CtjP°C...CfPSPsPe C¼PePsPiPs C,PµCtjPëC,,P»CfPSPsPjC-Pr CtjPµP°P»C-P·CfC” CfPIC-Pµ C,PµCtjP°PïPµPIC,PëC±PSPëPµ PµC,,PµPeC, C°PsPrPs CtjPsP·CfC-C¼PSPsPiPs CfPeP»PµCtjPsP·Cf (P Pÿ), PSPµ PrPs PeC-PSC±C¼ P·CtjPsP·CfPjC-P»PëPµ, P°P»Pµ PIC-PS PsPiPsCfPµCtjPµPrPePsPICfC”C,CHCfC¼ P·PjPµPSCëPµPSPSC¼Pj PeC-P»CHPePsCfC,C- P»C-PjC,,PsCfPëC,C-PI.

PαP°CtjPjP°PePsPrPëPSP°PjC-C±PSC- PµC,,PµPeC,Pë.

P±PjCfPSPSP° CfPëCfC,PµPjP°. P’PïP»PëPI PSP° PeC-P»CHPeC-CfC,CH C-PjCfPSPsPePsPjPïPµC,PµPSC,PSPëC... PeP»C-C,PëPS PI PeCtjPsPIC-: Cf PïP»P°CfPµP±Ps- PePsPSC,CtjPsP»CHPSPiP°PSPëC... PrPsCfP»C-PrPµPµPSPSC¼C... C,PµCtjPëC,,P»CfPSPsPjC-Pr Cf PrPsP·C- 14 PjPi PsPrPëPS CtjP°P· PSP° PrPsP±Cf PIPëPeP»PëPeP°PI P»PµPiPePµ P·PjPµPSCëPµPSPSC¼ PeC-P»CHPePsCfC,C- P»C-PjC,,PsCfPëC,C-PI Btj” Cf CfPµCtjPµPrPSCHsPjCf PjPµPSCë PSC-Pµ PSP° 0,3 × 10<sup>9</sup>/P» Btj” PïCtjPsC,C¼PiPsPj PïPµCtjCëPëC...B 3 PjC-CfC¼CfC-PI P»C-PeCfPIP°PSPSC¼, PïC-CfP»C¼ C±PsPiPs CfPµPµ

СҗС-PIPμPSCҺ P·P±PμCҗС-PiP°PICҒCҗ PrPs PeC-PSCҒCҗ P»C-PeCҒPIP°PSPSCҗ.

*PμPsC, PμPSCҒC-P°P» C%PsPrPs PiPsPrPsPIP¶PμPSPSCҗ C-PSC, PμCҗPIP°P»Cз QT. Pj PiP»P°CҒPμP±Ps-PePsPSC, CҗPsP»СҺPsPIP°PSPsPjCҒ PePsPjPiP»PμPeCҒPSPsPjCҒ PrPsCҒP»C-PrP¶PμPSPSC- C-PSC, PμCҗPIP°P»CҒ QT, C%Ps PiCҗPsPiPsPrPө»PsCҒСҺ P·P° CҒCҒP°CҒC, CҺ P·PrPsCҗPsPiPөC... PrPsP±CҗPsPiPsP»СҺCҒC-PI, C, PμCҗPөC,,P»CҒPSPsPjC-Pr CҒ CҒPμCҗPμPrPSC- P№ CҗС-PIPSPsPIP°P¶PSC- P№ PePsPSCҒPμPSC, CҗP°CҒC-C— PSPμ PiCҗPsCҗPIPI»CҗPI P¶PsPrPSPsPiPs PiPsC, PμPSCҒC-P°P»CҒ C%PsPrPs PiPsPrPsPIP¶PμPSPSCҗ C-PSC, PμCҗPIP°P»CҒ QTcF PiPsCҗС-PIPSCҗPSPs P· PiP»P°CҒPμP±Ps: PSP°P№P±C-P»СҺCөP° PIC-PrPjC-PSPSC-CҒC, СҺ PjC-P¶ CҒPμCҗPμPrPSCҺPsCҺ PIPμP»PөCҒPөPSPsCҺ CҒСҺPsPiPs PiPsPeP°P·PSPөPeP° PSP° C, P»C- PiCҗPөP№PsPjCҒ C, PμCҗPөC,,P»CҒPSPsPjC-PrCҒ C, P° PiP»P°CҒPμP±Ps CҒ PIC-PrPiPsPIC-PrPSC- PjPsPjPμPSC, Pө CҒP°CҒCҒ CҒC, P°PSPsPIPөP»P° B B B B 3,45 PjCҒ P· PIPμCҗС...PSCHPsCҺ PjPμP¶PμCҺ 90 % P”PҒ 6,45 PjCҒ.*

*P’PiP»PөPI PSP° C,,CзPSPeCҒC-СҺ PSPөCҗPePsPIPөC... PeP°PSP°P»СҺCҒC-PI. Pj PiP»P°CҒPμP±Ps-PePsPSC, CҗPsP»СҺPsPIP°PSPөC... PrPsCҒP»C-PrP¶PμPSPSCҗC... CҒ PiP°CҒC-C”PSC, C-PI, CҗPePөC... P»C-PeCҒPIP°P»Pө C, PμCҗPөC,,P»CҒPSPsPjC-PrPsPj, CҒPiPsCҒC, PμCҗС-PiP°P»PsCҒCҗ P·PjPμPSCөPμPSPSCҗ CҗС-PIPSCҗ CҒPμCҒPsPiPsC— PePөCҒP»PsC, Pө PI CҒPөCҗPsPIP°C, CҒC- PeCҗPsPIC- PI CҒPμCҗPμPrPSCҺPsPjCҒ PI PrC-P°PiP°P·PsPSC- PIC-Pr 20 % PrPs 30 % PiPsCҗС-PIPSCҗPSPs P· C, PөPjPө, C...C, Ps PsC, CҗPөPjCҒPIP°PI PiP»P°CҒPμP±Ps. P҄PμCҗPμPrPSC” P·PSPөP¶PμPSPSCҗ PIPjC-CҒC, CҒ C,,PsCҒC,,PsCҒCҒ PI CҒPөCҗPsPIP°C, CҒC- PeCҗPsPIC- CҒC, P°PSPsPIPөP»Ps P±P»PөP·СҺPePs 10 % CҒ PiCҗCҒPiC- PiCҗPөP№PsPjCҒ C, PμCҗPөC,,P»CҒPSPsPjC-PrCҒ PiPsCҗС-PIPSCҗPSPs P· PiP»P°CҒPμP±Ps. PҒC- PμC,,PμPeC, Pө CҗPsP·PiP»CҗPrP°CҺC, СҺCҒCҗ CҗPe PiPsPiBҗ™CҗP·P°PSC- P· PiPsCҒPөP»PμPSPSCҗPj PSPөCҗPePsPiPsPiPs PeP°PSP°P»СҺCҒPμPiPsPiPs PIPөPIPμPrPμPSPSCҗ C- PSPμ PiPsPiBҗ™CҗP·P°PSC- P·C- P·PjC-PSP°PjPө CҒ C,,CҒPSPeCҒC-CҗC... PeP»CҒP±PsCҒPөC-PI.*

РҗP»C-PSC-CҒPSP° PμC,,PμPeC,PөPIPSC-CҒC,СҺ C, P° P±PμP·PiPμPeP°.

*P·C,,PμPeC, PөPIPSC-CҒC, СҺ PiCҗPμPiP°CҗP°C, CҒ PhP±P°PrP¶C-Ps<sup>B®</sup> P±CҒP»P° PiCҗPsPrPμPjPsPSCҒC, CҗPsPIP°PSP° CҒ PrPiPsC... PiP»P°CҒPμP±Ps- PePsPSC, CҗPsP»СҺPsPIP°PSPөC... PrPsCҒP»C-PrP¶PμPSPSCҗC... Bҗ” TEMSO C- TOWER, PI CҗPePөC... PsCҒC-PSCҺPIP°PICҒCҗ PiCҗPөP№PsPj C, PμCҗPөC,,P»CҒPSPsPjC-PrCҒ PI PrPsP·P°C... 7 PjPi C, P° 14 PjPi PsPrPөPS CҗP°P· PSP° PrPsP±CҒ PrPsCҗPsCҒP»PөPjPө PiP°CҒC-C”PSC, P°PjPө P· CҗPμCҒPөPrPөPICҒCҺCҒPөPj CҗPsP·CҒC-CҗPSPөPj CҒPeP»PμCҗPsP·PsPj (P P P҄).*

*Pj PrPsCҒP»C-PrP¶PμPSPSC- TEMSO P·P°PiP°P»PsPj 1088 PiP°CҒC-C”PSC, C-PI P· P P P҄ CҗP°PSPPrPsPjC-P·CҒPIP°P»Pө PrP»Cҗ PiCҗPөP№PsPjCҒ P°P±Ps C, PμCҗPөC,,P»CҒPSPsPjC-PrCҒ CҒ PrPsP·P°C... 7 PjPi (n = 366) CҒPө 14 PjPi (n = 359), P°P±Ps PiP»P°CҒPμP±Ps (n = 363) PiCҗPsC, CҗPiPsPj PiPμCҗС-PsPrCҒ C, CҗPөPIP°P»C-CҒC, CҺ 108 C, PөP¶PSC-PI. PjCҒC- PiP°CҒC-C”PSC, Pө P±CҒP»Pө P· PiC-PrC, PIPμCҗPrP¶PμPSPөPj PrC-P°PiPSPsP·PsPj P P҄ (PSP° PsCҒPSPsPIC- PeCҗPөC, PμCҗС-C—PI PҺP°PeP”PsPSP°P»СҺPrP°, 2001 Cҗ.) P· CҗPμCҒPөPrPөPICҒCҺCҒPөPj PeP»C-PSC-CҒPSPөPj PiPμCҗPμP±C-PiPsPj, P· PiCҗPsPiCҗPμCҒCҒPIP°PSPSCҗPj P°P±Ps P±PμP· PSCHPsPiPs, C, P° PjP°P»Pө PiCҗPөPSP°P№PjPSC- 1 CҗPμCҒPөPrPөPI PiCҗPsC, CҗPiPsPj CҗPsPeCҒ, C%Ps PiPμCҗPμPrCҒPIP°PI PrPsCҒP»C-PrP¶PμPSPSCҺ, P°P±Ps PiCҗPөPSP°P№PjPSC- 2 CҗPμCҒPөPrPөPI Pө PiCҗPsC, CҗPiPsPj 2 CҗPsPeC-PI, C%Ps PiPμCҗPμPrCҒPIP°P»Pө PrPsCҒP»C-PrP¶PμPSPSCҺ. PҒP° PjPsPjPμPSC, PIPeP»CҺCҒPμPSPSCҗ CҒ PrPsCҒP»C-PrP¶PμPSPSCҗ PiP°CҒC-C”PSC, Pө PsC, CҗPөPjP»P»Pө ≤ 5,5 P±P°P»P° P·P°*

P PsP·C€P€CĤPμPSPsCĤ C€PeP°P»PsCĤ PsC†C-PSPePë PIPëCĤP°P¶PμPSPsC†C,C-  
C-PSPIP°P»C-PrPëP·P°C†C-C— (Expanded Disability Status Scale, EDSS). PŸPμCĤPμPrPSC-PNë  
PIC-Pe C†C†P°C†PSPëPeC-PI PrPsC†P»C-PrP¶PμPSPSC† C†C,P°PSPsPIPëPI 37,9 CĤPsPeC†. Pj  
P±C-P»CĤC€PsC†C,C- PïP°C†C-C”PSC,C-PI P±C†PI PrC-P°PiPSPsC†C,PsPIP°PSPëPNë  
CĤPsP·C†C-C†PSPëPNë C†PeP»PμCĤPsP· CĤPμC†PëPrPëPIC†CĤC†Ps-CĤPμPjC-C,C†CĤC†PsPiPs  
PïPμCĤPμP±C-PiC† (91,5 %), P°P»Pμ C† PSpμPIPμP»PëPePsC— PiC-PrPiCĤC†PiPë  
PïP°C†C-C”PSC,C-PI P±C†PI PIC,PsCĤPëPSPSPs-PiCĤPsPiCĤPμC†C†CĤC†PëPNë (4,7 %) P°P±Ps  
PiCĤPsPiCĤPμC†C†CĤC†PëPNë CĤPμC†PëPrPëPIC†CĤC†PëPNë CĤPsP·C†C-C†PSPëPNë  
C†PeP»PμCĤPsP· (3,9 %). PŸPμCĤPμPrPSC† PeC-P»CĤPeC-C†C,CĤ CĤPμC†PëPrPëPIC-PI  
PiCĤPsC,C†PiPsPj CĤPsPeC† PrPs PIPeP»CĤC†PμPSPSC† PïP°C†C-C”PSC,C-PI C†  
PrPsC†P»C-PrP¶PμPSPSC† C†C,P°PSPsPIPëP»P° 1,4, PiCĤPë C†CĤPsPjC† C† 36,2 %  
PïP°C†C-C”PSC,C-PI PSP° PiPsC†P°C,PePsPIPsPjC† CĤC-PIPSC- PIPëC†PIP»C†P»PëC†C†  
PePsPSC,CĤP°C†C,PsPIP°PSC- PiP°PrPsP»C-PSC-C”Pj PIPsPiPSPëC%P° C†CĤP°P¶PμPSPSC†.  
PĤPμPrC-P°PSP° PeC-P»CĤPePsC†C,C- P±P°P»C-PI P·P° C€PeP°P»PsCĤ EDSS PSP°  
PiPsC†P°C,PePsPIPsPjC† CĤC-PIPSC- C†C,P°PSPsPIPëP»P° 2,50, PiCĤPë C†CĤPsPjC† C† 249  
PïP°C†C-C”PSC,C-PI (22,9 %) PeC-P»CĤPeC-C†C,CĤ P±P°P»C-PI P·P° C€PeP°P»PsCĤ EDSS  
PSP° PiPsC†P°C,PePsPIPsPjC† CĤC-PIPSC- C†C,P°PSPsPIPëP»P° > 3,5. PŸPμCĤPμPrPSC†  
C,CĤPëPIP°P»C-C†C,CĤ P·P°C...PIPsCĤCĤPIP°PSPSC† PIC-Pr C†P°C†C† PïPsC†PIPë  
PïPμCĤC€PëC... C†PëPjPiC,PsPjC-PI C†C,P°PSPsPIPëP»P° 8,7 CĤPsPeC†. P°C-P»CĤC€C-C†C,CĤ  
PïP°C†C-C”PSC,C-PI (73 %) PSPμ PsC,CĤPëPjC†PIP°P»Pë PiCĤPμPiP°CĤP°C,C-PI, C%Ps  
P·PjC-PSCĤCĤC,CĤ PïPμCĤPμP±C-Pi CĤPsP·C†C-C†PSPsPiPs C†PeP»PμCĤPsP·C†,  
PiCĤPsC,C†PiPsPj 2 CĤPsPeC-PI PrPs PIPeP»CĤC†PμPSPSC† C† PrPsC†P»C-PrP¶PμPSPSC†.  
P PμP·C†P»CĤC,P°C,Pë PrPsC†P»C-PrP¶PμPSPSC† PïPsPeP°P°PSPs PI C,P°P±P»PëC†C- 1.

P PμP·C†P»CĤC,P°C,Pë C,CĤPëPIP°P»PsPiPs C†PiPsC†C,PμCĤPμP¶PμPSPSC†,  
PsC,CĤPëPjP°PSC- C† C...PsPrC- PïPsPrPsPIP¶PμPSPsPiPs PIPëPIC†PμPSPSC†  
PrPsPIPiPsC†C,CĤPsPePsPIPsC— PsC†C-PSPePë P±PμP·PiPμPePë PI C†C†P°C†PSPëPeC-PI  
PrPsC†P»C-PrP¶PμPSPSC† TEMSO (PjPμPrC-P°PSP° P·P°PiP°P»CĤPSPsC—  
C,CĤPëPIP°P»PsC†C,C- P»C-PeC†PIP°PSPSC† C†C,P°PSPsPIPëP»P° PiCĤPëP±P»PëP·PSPs 5  
CĤPsPeC-PI, P° PjP°PeC†PëPjP°P»CĤPSP° C,CĤPëPIP°P»C-C†C,CĤ P»C-PeC†PIP°PSPSC†  
C†C,P°PSPsPIPëP»P° PiCĤPëP±P»PëP·PSPs 8,5 CĤPsPeC†), PSPμ PIPëC†PIPëP»Pë P¶PsPrPSPëC...  
PSPsPIPëC... P°P±Ps PSPμPsC†C-PeC†PIP°PSPëC... PrP°PSPëC... C%PsPrPs P±PμP·PiPμPePë.

Pj PrPsC†P»C-PrP¶PμPSPSC- TOWER P·P°PiP°P»PsPj 1169 PïP°C†C-C”PSC,C-PI P· P P PŸ  
CĤP°PSPPrPsPjC-P·C†PIP°P»Pë PrP»C† PiCĤPëPNëPsPjC† P°P±Ps C,PμCĤPëC,,P»C†PSPsPjC-PrC†  
C† PrPsP·P°C... 7 PjPi (n = 408) C†Pë 14 PjPi (n = 372), P°P±Ps PïP»P°C†PμP±Ps (n = 389)  
PiCĤPsC,C†PiPsPj PïPμCĤC-PsPrC-PI CĤC-P·PSPsC— C,CĤPëPIP°P»PsC†C,C-, C†PeC-  
P·P°PeC-PSC†PëP»PëC†C† C†PμCĤPμP· 48 C,PëP¶PSC-PI PiC-C†P»C†  
CĤP°PSPPrPsPjC-P·P°C†C-C— PsC†C,P°PSPSCHPsPiPs PïP°C†C-C”PSC,P°. PjC†C-  
PïP°C†C-C”PSC,Pë P±C†P»Pë P· PiC-PrC,PIPμCĤPrP¶PμPSPëPj PrC-P°PiPSPsP·PsPj P PŸ (PSP°  
PsC†PSPsPIC- PeCĤPëC,PμCĤC-C—PI PĤP°PeP”PsPSP°P»CĤPrP°, 2005 CĤ.) P·  
CĤPμC†PëPrPëPIC†CĤC†PëPj PeP»C-PSC-C†PSPëPj PïPμCĤPμP±C-PiPsPj, P·  
PiCĤPsPiCĤPμC†C†PIP°PSPSC†Pj P°P±Ps P±PμP· PSCĤPsPiPs, C,P° PjP°P»Pë  
PiCĤPëPSP°PNëPjPSC- 1B CĤPμC†PëPrPëPI PiCĤPsC,C†PiPsPj CĤPsPeC†, C%Ps  
PïPμCĤPμPrC†PIP°PI PrPsC†P»C-PrP¶PμPSPSCĤ, P°P±Ps PiCĤPëPSP°PNëPjPSC- 2  
CĤPμC†PëPrPëPIPë PiCĤPsC,C†PiPsPj 2 CĤPsPeC-PI, C%Ps PïPμCĤPμPrC†PIP°P»Pë  
PrPsC†P»C-PrP¶PμPSPSCĤ. PkP° PjPsPjPμPSC, PIPeP»CĤC†PμPSPSC† C†  
PrPsC†P»C-PrP¶PμPSPSC† PïP°C†C-C”PSC,Pë PjP°P»PëB ≤ 5,5 P±P°P»P° P·P°  
P PsP·C€PëCĤPμPSPsCĤ C€PeP°P»PsCĤ PsC†C-PSPePë C†C,C†PiPμPSC†  
C-PSPIP°P»C-PrPëP·P°C†C-C— (Expanded Disability Status Scale, EDSS).

PŸPµCŸPµPrPSC-PM PIC-Pe CŸC±P°CŸPSPePeC-PI PrPsCŸP»C-PrP¶PµPSPSCŸ CŸC,P°PSPsPIPePI  
 37,9 CŸPsPePë. PJ P±C-P»CHC€PsCŸC,C- PiP°CŸC-C”PSC,C-PI P±CŸPI CŸPsP·CŸC-CŸPSPePNë  
 CŸPeP»PµCŸPsP· CŸPµCŸPëPrPëPICŸCŸC±Ps-CŸPµPjC-C,CŸCŸC±PsPiPs PiPµCŸPµP±C-PiCŸ (97,5  
 %), P°P»Pµ CŸ PSPµPIPµP»PëPePsC— PiC-PrPiCŸCŸPëPiPë PiP°CŸC-C”PSC,C-PI P±CŸPI  
 PIC,PsCŸPëPSPSPs-PiCŸPsPiCŸPµCŸCŸC±PëPNë (0,8 %) P°P±Ps PiCŸPsPiCŸPµCŸCŸC±PëPNë  
 CŸPµCŸPëPrPëPICŸCŸC±PëPNë CŸPsP·CŸC-CŸPSPePNë  
 CŸPeP»PµCŸPsP·B B B B B B B B B B B B (1,7 %). PŸPµCŸPµPrPSCŸ PeC-P»CHPeC-CŸC,CH  
 CŸPµCŸPëPrPëPIC-PI PiCŸPsC,CŸPiPsPj CŸPsPeCŸ PrPs PIPeP»CŸC±PµPSPSCŸ  
 PiP°CŸC-C”PSC,C-PI CŸ PrPsCŸP»C-PrP¶PµPSPSCŸ CŸC,P°PSPsPIPeP»P° 1,4. P©PsPrPs  
 PSP°CŸPIPSPsCŸC,C- PePsPSC,CŸP°CŸC,PsPIP°PSPeC... PiP°PrPsP»C-PSC-C”Pj PIPsPiPSPeC%  
 CŸCŸP°P¶PµPSPSCŸ PSP° PiPsC±P°C,PePsPIPsPjCŸ CŸC-PIPSC- PrP°PSC- PIC-PrCŸCŸC,PSC-.  
 PŸPµPrC-P°PSP° PeC-P»CHPePsCŸC,C- P±P°P»C-PI P·P° C€PeP°P»PsCŸ EDSS PSP°  
 PiPsC±P°C,PePsPIPsPjCŸ CŸC-PIPSC- CŸC,P°PSPsPIPeP»P° 2,50, PiCŸPë CŸCHPsPjCŸ CŸ 298  
 PiP°CŸC-C”PSC,C-PI (25,5 %) PeC-P»CHPeC-CŸC,CH P±P°P»C-PI P·P° C€PeP°P»PsCŸ EDSS  
 PSP° PiPsC±P°C,PePsPIPsPjCŸ CŸC-PIPSC- CŸC,P°PSPsPIPeP»P° > 3,5. PŸPµCŸPµPrPSCŸ  
 C,CŸPëPIP°P»C-CŸC,CH P·P°C...PIPsCŸCŸPIP°PSPSCŸ PIC-Pr C±P°CŸCŸ PiPsCŸPIPë  
 PiPµCŸC€PëC... CŸPëPjPiC,PsPjC-PI CŸC,P°PSPsPIPeP»P° 8 CŸPsPeC-PI. P’C-P»CHC€C-CŸC,CH  
 PiP°CŸC-C”PSC,C-PI (67,2 %) PSPµ PsC,CŸPëPjCŸPIP°P»Pë PiCŸPµPiP°CŸP°C,, C%Ps  
 P·PjC-PSCŸCŸC,CH PiPµCŸPµP±C-Pi CŸPsP·CŸC-CŸPSPsPiPs CŸPeP»PµCŸPsP·CŸ,  
 PiCŸPsC,CŸPiPsPj 2 CŸPsPeC-PI PrPs PIPeP»CŸC±PµPSPSCŸ CŸ PrPsCŸP»C-PrP¶PµPSPSCŸ.  
 P PµP·CŸP»CHC,P°C,Pë PrPsCŸP»C-PrP¶PµPSPSCŸ PiPsPeP°P·P°PSC- PI C,P°P±P»PëCŸC- 1.

PŸP°P±P»PëCŸCŸ 1

PhCŸPSPsPIPSC- CŸPµP·CŸP»CHC,P°C,Pë PrP»CŸCŸ CŸC...PIP°P»PµPSPsC— PrPsP·Pë (PrP°PSC-  
 PrP»CŸCŸ PiPsPiCŸP»CŸCŸC-C— PiP°CŸC-C”PSC,C-PI, C%Ps P±CŸP»Pë  
 CŸP°PSPPrPsPjC-P·PsPIP°PSC- C,P° PsC,CŸPëPjP°P»Pë PiCŸPëPSP°PNëPjPSC- PsPrPSCŸ PrPsP·CŸ  
 PiCŸPµPiP°CŸP°C,CŸ [ITT])

PµPsPeP°P·PSPePe	P”PsCŸP»C-PrP¶PµPSPSCŸ TEMSO		P”PsCŸP»C-PrP¶PµPSPSCŸ TOWER	
	PŸPµCŸPëC,,P»CŸPSPsPjC-Pr 14 PjPi	PµP»P°CŸPµP±Ps	PŸPµCŸPëC,,P»CŸPSPsPjC-Pr 14 PjPi	PµP»P°CŸPµP±Ps
N	358	363	370	388
PŸP»C-PSC-CŸPSC- PeC-PSCŸPµPIC- C,PsCŸPePë				
P C-CŸPSP° CŸP°CŸC,PsC,P° CŸPµCŸPëPrPëPIC-PI	0,37	0,54	0,32	0,50
P C-P·PSPeCŸCŸ CŸPëP·PëPeC-PI (P”PŸ 95%)	-0,17 (-0,26, -0,08)***		-0,18 (-0,27, -0,09)****	
PŸC-P»CHPeC-CŸC,CH PiP°CŸC-C”PSC,C-PI P±PµP· CŸPµCŸPëPrPëPIC-PI PSP° C,PëP¶PrPµPSCŸ 108	56,5%	45,6 %	57,1 %	46,8 %
P’C-PrPSPsC€PµPSPSCŸ CŸPëP·PëPeC-PI (P”PŸ 95%)	0,72 (0,58, 0,89)**		0,63 (0,50, 0,79)****	
P C-PIPµPSCŸ CŸC,C-PMëPePsPiPs PiCŸPsPiCŸPµCŸCŸPIP°PSPSCŸ C-PSPIP°P»C-PrPëP·P°CŸC-C— PiCŸPsC,CŸPiPsPj 3 PjC-CŸCŸCŸCŸC-PI PSP° C,PëP¶PrPµPSCŸ 108	20,2 %	27,3 %	15,8 %	19,7 %
P’C-PrPSPsC€PµPSPSCŸ CŸPëP·PëPeC-PI (P”PŸ 95%)	0,70 (0,51, 0,97)*		0,68 (0,47, 1,00)*	
P C-PIPµPSCŸ CŸC,C-PMëPePsPiPs PiCŸPsPiCŸPµCŸCŸPIP°PSPSCŸ C-PSPIP°P»C-PrPëP·P°CŸC-C— PiCŸPsC,CŸPiPsPj 6 PjC-CŸCŸCŸCŸC-PI PSP° C,PëP¶PrPµPSCŸ 108	13,8 %	18,7 %	11,7 %	11,9 %
P’C-PrPSPsC€PµPSPSCŸ CŸPëP·PëPeC-PI (P”PŸ 95%)	0,75 (0,50, 1,11)		0,84 (0,53, 1,33)	

РљС-РSC†РμPIC- C,PsC†PePë P·P° PeCђPëC,РμCђC-ЦIIPjPë PђP Pђ			PкРμ Ps†C-PSCђPIP°P»PëC†CЦ
P—PjC-PSP° PђP— PSP° C,PëPђP†PμPSCђ 108 <sup>(1)</sup>	0,72	2,21	
P—PjC-PSP° PиPsCђC-PIPSCЦPSPs P· PиP»P°C†PμP±Ps	67 %***		
PђPμCђPμPrPSCЦI PeC-P»CђPëC-C†C,Чђ PePsPSC,ЧђP°C†C,PsPIP°PSPëC... PиP°PrPsP»C-PSC-C”Pj PиPsPиPSPëC% CрCђP°PђPμPSPSCЦI PSP° PђPëPђP†PμPSCђ 108	0,38	1,18	
P—PjC-PSP° PиPsCђC-PIPSCЦPSPs P· PиP»P°C†PμP±Ps (P”P† <sub>95%</sub> )	-0,80 (-1,20, -0,39)****		
РљС-Р»CђPëC-C†C,Чђ C†PSC-PeP°P»CђPSPëC... P°PeC,PëPIPSPëC... PиPsPиPSPëC% CрCђP°PђPμPSPSCЦI PSP° PсPrPSPμ C,PсPjPsPиCђP°C,C-C†PSPμ P·PsP±CђP°PђPμPSPSCЦI	0,75	2,46	
P—PjC-PSP°B PиPsCђC-PIPSCЦPSPs P· PиP»P°C†PμP±Ps (P”P† <sub>95%</sub> )	69 % (59 %; 77 %)	****	

\*\*\*\* p < 0,0001, \*\*\* p < 0,001, \*\* p < 0,01, \* p < 0,05 PиPsCђC-PIPSCЦPSPs P· PиP»P°C†PμP±Ps

<sup>1</sup>PђP— Bђ” C,CII PђPëC-C†C,Чђ P·P°C...PIPсCђCђPIP°PSPSCЦI: P·P°PиP°P»CђPSPëPμ  
PsP±Bђ” C”Pj PиPsPиPSPëC% CрCђP°PђPμPSPSCЦI (T2 C- T1,  
PiC-PиPsC-PSC,РμPSC†PëPIPSPëC...) Cр PjC-P»C-P»C-C,ЧђP°C....

**P·C,,PμPeC,PëPIPSC-C†C,Чђ C,РμCђP°PиC— PиP°C†C-C”PSC,C-PI P· PIPëC†PсPePsCђ  
P°PeC,PëPIPSC-C†C,Чђ P·P°C...PIPсCђCђPIP°PSPSCЦI**

PJ PrPsC†P»C-PrPђPμPSPSC- TEMSO P±CрPI PIC-PrP·PSP°C†PμPSPëPμ  
C†C,P°P±C-P»CђPSPëPμ PμC,,PμPeC, P»C-PeCрPIP°PSPSCЦI C%PsPrPs C†P°C†C,PsC,Pë  
CђPμC†PëPrPëPIC-PI C,P° CђC-PIPSCЦI C†C,C-PμPePsPиPs PиCђPсPиCђPμC†CрPиP°PSPSCЦI  
C-PSPIP°P»C-PrPëP·P°C†C-C— PиCђPсC,CII PиPsPj 3 PjC-C†CЦI†C-PI Cр PиC-PrPиCђCрPиC-  
PиP°C†C-C”PSC,C-PI P· PIPëC†PсPePsCђ P°PeC,PëPIPSC-C†C,Чђ P·P°C...PIPсCђCђPIP°PSPSCЦI  
(n = 127). P—PiC-PrPSPs P· PsC†PсP±P»PëPIPсC†C,CII PjPë PrPëP·P°PμPSCр  
PrPsC†P»C-PrPђPμPSPSCЦI PIPëC†PсPeP° P°PeC,PëPIPSC-C†C,Чђ  
P·P°C...PIPсCђCђPIP°PSPSCЦI PIPëP·PSP°C†P°P»P°C†CЦI CII Pe 2 CђPμC†PëPrPëPIPë P°P±Ps  
P±C-P»CђPëPμ PиCђPсC,CII PиPsPj 1 CђPсPeCр Cр CђP°P·C- PSP°CII PIPSPсC†C,C- PSP° PђP Pђ  
PиPsP»PsPIPSPсPиPs PjPsP·PeCр 1 PePsPSC,CђP°C†C,PsPIP°PSPсPиPs PиP°PrPsP»C-PSC-C”Pj  
PиPsPиPSPëC%P° CрCђP°PђPμPSPSCЦI P°P±Ps P±C-P»CђPëPμ. PJ PrPsC†P»C-PrPђPμPSPSC-  
TOWER PиPsPrC-P±PSPëPμ P°PSP°P»C-P· PиC-PrPиCђCрPи PSPμ PIPëPеPсPSCрPиP°PIC†CЦI,  
PsC†PeC-P»CђPëPë Cр C†CђPсPjCр PrPsC†P»C-PrPђPμPSPSC- PSPμ PsC,CђPëPjCрPиP°P»Pë  
PrP°PSC- PђP Pђ. P’C-PrC†CрC,PSC- PrP°PSC- C%PsPrPs PeC-P»CђPePsC†C,C-  
PиP°C†C-C”PSC,C-PI, Cр CII PePëC... PSPμ PIC-PrP·PSP°C†P°P»PsC†CЦI PIC-PrPиPsPIC-PrC- PSP°  
PиPsPIPSPëPμ C,P° PSP°P»PμPђPSPëPμ PeCрCђC† P»C-PeCрPIP°PSPSCЦI P±PμC,P°-  
C-PSC,РμCђC,,PμCђPсPSPсPj (P·P°P·PIPëC†P°Pμ PSPμ PjPμPSCëPμ 1 CђPсPeCр  
P»C-PeCрPIP°PSPSCЦI), CII PeC- PjP°P»Pë PиCђPëPSP°PμPjPSC- 1 CђPμC†PëPrPëPI  
PиCђPсC,CII PиPsPj PиPsPиPμCђPμPrPSCђPсPиPs CђPсPeCр PSP° C,P»C- PsC,CђPëPjP°PSPSCЦI  
P»C-PeCрPIP°PSPSCЦI C,P° Cр CII PePëC... PSP° PђP Pђ PиPsP»PsPIPSPсPиPs PjPsP·PeCр  
PIC-PrP·PSP°C†P°P»PsC†CЦI  
PиCђPëPSP°PμPjPSC-B  
B B B B B B B B B 9 PiC-PиPsC-PSC,РμPSC†PëPIPSPëC... PиPsPиPSPëC% CрCђP°PђPμPSPSCЦI  
Cр CђPμPђPëPjC- Pђ2 P°P±Ps PиCђPëPSP°PμPjPSC- 1 PePsPSC,CђP°C†C,PsPIP°PSPμ  
PиP°PrPsP»C-PSC-C”Pj PиPsPиPSPëC%Pμ CрCђP°PђPμPSPSCЦI, P° C,P°PePsPђ C%PsPrPs  
PeC-P»CђPePsC†C,C- PиP°C†C-C”PSC,C-PI, Cр CII PePëC... C†P°C†C,PsC,P° CђPμC†PëPrPëPIC-PI



C†CHbPsPiPs P±C†P»Pë PiPsP±C-C†PSC- C†PµP°PeC†C-C— (21,2 %), PIC-PrC†C†C,PSC-C†C,CH PµC,,PµPeC,PëPIPPSPsC†C,C- (1,9 %), C-PSC€C- PiC†PëC†PëPSPë (4,8 %) C,P° PSPµP·P°PrPsPIC-P»CHbPSPµ PrPsC,C†PëPjP°PSPSC† PiC†PµC,PSPePsP»C† PrPsC†P»C-PrP†PµPSPSC† (1 %). P—P° PiPµC†PIPëPSPSPsC† PeC-PSC†PµPIPsC† C,PSC†PePsC† P·P°C†C,PSC†C†PIP°PSPSC† C,PµC†PëC,,P»C†PSPsPjC-PrC† C† PrPsP·C- 14 PjPi/PrPsP±C† PSPµ PjP°P»Ps PiPµC†PµPIP°Pi PiPµC†PµPr P·P°C†C,PSC†C†PIP°PSPSC†Pj P±PµC,P°-1P°-C-PSC,PµC†C,,PµC†PµPSC†: PIC-PrC†PµC,PSPe PiP°C†C-C”PSC,C-PI P· PSPµC†C†PiC-C€PSC-C†C,C† P»C-PeC†PIP°PSPSC† C†PµC†PµP· 96 C,PëP†PSC-PI, C†PµP·C†P°C...PsPIP°PSPëPµ PjPµC,PSPPrPsPj PµP°PiP»P°PSP°-PµPµPµC”C†P°, C†C,P°PSPsPiPëPI 41,1 % PiPsC†C-PIPPSC†PSPs P· 44,4 % (C† PiC†C†PiC- PiC†PëPµPsPjC† C,PµC†PëC,,P»C†PSPsPjC-PrC† C† PrPsP·C- 14 PjPi PiPsC†C-PIPPSC†PSPs P· PiC†C†PiPsC† PiC†PëPµPsPjC† P±PµC,P°-1P°-C-PSC,PµC†C,,PµC†PµPSC†,B B p = 0,595).

PµPµPrC-P°C,C†PëC†PSP° PiPsPiC†P»C†C†C-C†

*P”C-C,Pë (PIC-PePsPj PIC-Pr 10 PrPs 17 C†PµPeC-PI)*

P”PsC†P»C-PrP†PµPSPSC† EFC11759/TERIKIDS P±C†P»Ps PjC-P†PSP°C†PµPrPSPëPj PiPsPrPIC-PµPSPs C†P»C-PiPëPj PiP»P°C†PµP±Ps-PePsPSC,C†PµP»CHbPsPiP°PSPëPj PrPsC†P»C-PrP†PµPSPSC†Pj P·P° C†C†P°C†C,C† PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 10 PrPs 17 C†PµPeC-PI P· C†PµC†PëPrPëPIC†C†PµPjC-C,C†C†C†PëPj P PŸ, PI C†PePsPjC† PsC†C-PSC†PIP°P»PsC†C† P·P°C†C,PSC†C†PIP°PSPSC† C,PµC†PëC,,P»C†PSPsPjC-PrC† PsPrPëPS C†P°P· PSP° PrPsP±C† (PrPsP·Pë C†PePsC†PëPiPsPiP°PSPs PrP»C† PrPsC†C†PiPSPµPSPSC† PiPiP»PëPIC†, PµPePIC-PIP°P»PµPSC,PSPsPiPs C,P°PePsPjC† PiC†Pë PrPsP·C- 14 PjPi C† PrPsC†PµC†P»PëC...) PiC†PµC,C†PiPsPj 96 C,PëP†PSC-PI P· PiPsPrP°P»CHbC€PëPj PIC-PrPeC†PëC,PëPj C†PµP·C€PëC†PµPSPëPj PrPsC†P»C-PrP†PµPSPSC†Pj. Pj PIC†C-C... PiP°C†C-C”PSC,C-PI C†C,P°PIC†C† C°%PsPSP°PµPjPµPSC€Pµ 1 C†PµC†PëPrPëPi PiC†PµC,C†PiPsPj 1 C†PµPeC† P°P±Ps C°%PsPSP°PµPjPµPSC€Pµ 2 C†PµC†PëPrPëPiPë P·P° 2 C†PµPePë PrPs PrPsC†P»C-PrP†PµPSPSC†. P†PµPIC†PµP»PsPiC-C†PSC- PsP±C†C,PµP†PµPSPSC† PiC†PµPiPsPrPëP»PëC†C† PiC†Pë C†PeC†PëPSC-PSPiC† C,P° PePsP†PSC- 24 C,PëP†PSC- PrPs P·P°PIPµC†C€PµPSPSC† PrPsC†P»C-PrP†PµPSPSC†, P° C,P°PePsP† PiC-Pr C†P°C† PiPsP·P°PiP»P°PSPsPiPëC... PIC-P·PëC,C-PI C† C†P°P·C- PiC-PrPsP·C†Pë PSP° C†PµC†PëPrPëPI. PµP°C†C-C”PSC,Pë P· PeP»C-PSC-C†PSPëPj C†PµC†PëPrPëPiPsPj P°P±Ps PiPëC†PsPePsC† P°PeC,PëPIPPSC-C†C,C† P·P° PrP°PSPëPjPë PµP PŸ PiC†PëPSP°PµPjPSC- 5 PSPsPiPëC... P°P±Ps PiC†PµPiC†PµC†C†PëC... PŸ2-P·PIP°P†PµPSPëC... PiPsPiPSPëC° C†C†P°P†PµPSPSC† PSP° 2 PiPsC†P»C-PrPsPiPSPëC... C†PeP°PSC†PIP°PSPSC†C... P±C†P»Pë PiPµC†PµPIPµPrPµPSC- C† PIC-PrPeC†PëC,Pµ C†PµP·C€PëC†PµPSPµ PrPsC†P»C-PrP†PµPSPSC† PrPs 96 C,PëP†PSC† PrP»C† P·P°P±PµP·PiPµC†PµPSPSC† P°PeC,PëPIPPSPsPiPs P»C-PeC†PIP°PSPSC†. PµPµC†PIPëPSPSPsC† PeC-PSC†PµPIPsC† C,PSC†PePsC† P±C†PI C†P°C† PrPs PiPµC†C€PsPiPs PeP»C-PSC-C†PSPsPiPs C†PµC†PëPrPëPIC† PiC-C†P»C† C†P°PSPPrPsPjC-P·P°C†C-C—. PŸP°C† PrPs PiPµC†C€PsPiPs PiC-PrC,PIPµC†PrP†PµPSPSC† PeP»C-PSC-C†PSPsPiPs C†PµC†PëPrPëPIC† P°P±Ps PiPëC†PsPePsC— P°PeC,PëPIPPSPsC†C,C- P·P° PrP°PSPëPjPë PµP PŸ, P·P°P»PµP†PSPs PIC-Pr C,PSPiPs, C°%Ps C†C,P°P»PsC†C† C†P°PSC-C€Pµ, P±C†PI PiPsPiPµC†PµPrPSC†Pµ PiPëP·PSP°C†PµPSPëPµ C†Pe P°PSP°P»C-P· C†C†C,P»PëPIPsC†C,C-, PsC†PeC-P»CHbPePë PIC-PS PiPeP»C†C†P°C” C†Pe PeP»C-PSC-C†PSC-, C,P°Pe C- PµP PŸ- C†PjPsPiPë, C†PeC- PIC-PrPiPsPIC-PrP°C†C,CH C†PjPsPiP°Pj PiPµC†PµC...PsPrC† C† PIC-PrPeC†PëC,Pµ C†PµP·C€PëC†PµPSPµ PrPsC†P»C-PrP†PµPSPSC†.

P”P»C† PiC†PëPµPsPjC† C,PµC†PëC,,P»C†PSPsPjC-PrC† (n = 109) P°P±Ps PiP»P°C†PµP±Ps (n = 57) P·P°PiP°P»PsPj P±C†P»Ps C†P°PSPPrPsPjC-P·PsPiP°PSPs 166 PiP°C†C-C”PSC,C-PI C† C†PiC-PIPIC-PrPSPsC€PµPSPSC- 2 : 1. P†P° PjPsPjPµPSC, PiPeP»C†C†PµPSPSC† C†



PrPsCÍP»C-PrP¶PµPSPSCÍ PīPsPeP°P·PSPëPe P·P° P PsP·C€PëCĤPµPSPsCĤ C€PeP°P»PsCĤ PsC†C-PSPePë PIPëCĤP°P¶PµPSPsCÍC,C- C-PSPIP°P»C-PrPëP·P°C†C-C— (Expanded Disability Status Scale, EDSS) Cí PīP°C†C-C”PSC,C-PI CÍC,P°PSPsPIPëPI ≤ 5,5 P±P°P»P°;

CÍPµCĤPµPrPSC-PM PIC-Pe CíC†P°CÍPSPëPeC-PI PrPsCÍP»C-PrP¶PµPSPSCÍ CÍC,P°PSPsPIPëPI 14,6 CĤPsPeCí; CÍPµCĤPµPrPSCÍ PjP°CÍP° C,C-P»P° PrPsCĤC-PIPSCĤPIP°P»P° 58,1 PePi;

CÍPµCĤPµPrPSCÍ C,CĤPëPIP°P»C-CÍC,CĤ P·P°C...PIPSCĤCĤPIP°PSPSCÍ PIC-Pr C†P°CÍCí PICÍC,P°PSPsPIP»PµPSPSCÍ PrC-P°PiPSPsP·Cí CÍC,P°PSPsPIPëP»P° 1,4 CĤPsPeCí; P° CÍPµCĤPµPrPSCÍ PeC-P»CĤPeC-CÍC,CĤ Pÿ1-P·PIP°P¶PµPSPëC... PIPsPiPSPëC% CíCĤP°P¶PµPSPSCÍ, PePsPSC,CĤP°CÍC,PsPIP°PSPëC... PiP°PrPsP»C-PSC-C”Pj, PIPëCÍPIP»PµPSPëC... PiC-Pr C†P°CÍ PĤP Pÿ-CÍPeP°PSCíPIP°PSPSCÍ, PrPsCĤC-PIPSCĤPIP°P»P° 3,9 PIPsPiPSPëC%P° PSP° PjPsPjPµPSC, PiPsC†P°C,PeCí PrPsCÍP»C-PrP¶PµPSPSCÍ. P°CÍC- PīP°C†C-C”PSC,Pë C...PIPSCĤC-P»Pë PSP° CĤPµC†PëPrPëPICíCĤC†Ps-CĤPµPjC-C,CíCĤC†PëPM P Pÿ C-P· CÍPµCĤPµPrPSC-Pj PīPsPeP°P·PSPëPePsPj P·P° EDSS 1,5 PSP° PjPsPjPµPSC, PiPsC†P°C,PeCí PrPsCÍP»C-PrP¶PµPSPSCÍ. PÿPµCĤPµPrPSC-PM C†P°CÍ P»C-PeCíPIP°PSPSCÍ CÍC,P°PSPsPIPëPI 362 PrPSC- Cí PiCĤCíPiC- PiP»P°C†PµP±Ps C,P° 488 PrPSC-PI Cí PiCĤCíPiC- C,PµCĤPëC,,P»CíPSPsPjC-PrCí. PµPµCĤPµC...C-Pr PIC-Pr PīPsPrPIC-PM PSPs CÍP»C-PiPsPiPs PīPµCĤC-PsPrCí PrPs PIC-PrPeCĤPëC,PsPiPs P»C-PeCíPIP°PSPSCÍ C†PµCĤPµP· PIPëCÍPsPeCí P°PeC,PëPIPSC-CÍC,CĤ P·P° PrP°PSPëPjPë PĤP Pÿ PIC-PrP±CíPIP°PICÍCÍ C†P°CÍC,C-C€Pµ, PSC-P¶ PsC†C-PeCíPIP°P»PsCÍCÍ, P° C,P°PePsP¶ C†P°CÍC,C-C€Pµ C,P° CĤP°PSC-C€Pµ PI PiCĤCíPiC- PiP»P°C†PµP±Ps, PSC-P¶ PI PiCĤCíPiC- C,PµCĤPëC,,P»CíPSPsPjC-PrCí (26 % PI PiCĤCíPiC- PiP»P°C†PµP±Ps, 13 % PI PiCĤCíPiC- C,PµCĤPëC,,P»CíPSPsPjC-PrCí).

PÿPµCĤPëC,,P»CíPSPsPjC-Pr P·PSPëP¶CíPIP°PI CĤPëP·PëPe PeP»C-PSC-C†PSPsPiPs CĤPµC†PëPrPëPICí PSP° 34 % PīPsCĤC-PIPSCÍPSPs P· PiP»P°C†PµP±Ps, C%Ps PSPµ P±CíP»Ps CÍC,P°C,PëCÍC,PëC†PSPs P·PSP°C†CíC%PëPj (p = 0,29) (C,P°P±P»PëC†CÍ 2). Pj P·P°P·PrP°P»PµPiC-PrCĤ PIPëP·PSP°C†PµPSPsPjCí P°PSP°P»C-P·C- C†CíC,P»PëPIPSCÍC,C- C,PµCĤPëC,,P»CíPSPsPjC-Pr PrPsCÍCÍPi CÍC,P°C,PëCÍC,PëC†PSPs P·PSP°C†CíC%PsPiPs P·PSPëP¶PµPSPSCÍ CÍCíPeCíPīPSPsPiPs CĤPëP·PëPeCí PeP»C-PSC-C†PSPsPiPs CĤPµC†PëPrPëPICí P°P±Ps PIPëCíPsPePsC— P°PeC,PëPIPSPsCÍC,C- P·P° PrP°PSPëPjPë PĤP Pÿ PSP° 43 % PIC-PrPSPsCÍPSPs PiP»P°C†PµP±Ps (CĤ = 0,04) (C,P°P±P»PëC†CÍ 2).

PÿPµCĤPëC,,P»CíPSPsPjC-Pr CÍCíC,C,C”PIP s P·PjPµPSC€PëPI PeC-P»CĤPeC-CÍC,CĤ PSPsPIPëC... C,P° PīCĤPsPiCĤPµCÍCíCĤC†PëC... Pÿ2-P·PIP°P¶PµPSPëC... PIPsPiPSPëC% CíCĤP°P¶PµPSPSCÍ PSP° 55 % (p = 0,0006) (CĤPµC,CĤPsCÍPīPµPeC,PëPIPSPëPM P°PSP°P»C-P· C,P°PePsP¶ CÍPePsCĤPëPiPsPIP°PSPëPM PSP° PIPëC...C-PrPSC- PīPsPeP°P·PSPëPePë T2: 34 %, p = 0,0446), P° C,P°PePsP¶ PeC-P»CĤPeC-CÍC,CĤ Pÿ1-P·PIP°P¶PµPSPëC... PIPsPiPSPëC% CíCĤP°P¶PµPSPSCÍ, PePsPSC,CĤP°CÍC,PsPIP°PSPëC... PiP°PrPsP»C-PSC-C”Pj PSP° CÍPeP°PSCíPIP°PSPSC-, PSP° 75 % (p <0,0001) (C,P°P±P»PëC†CÍ 2).

PÿP°P±P»PëC†CÍ 2B

PĤP»C-PSC-C†PSC- C,P° PĤP Pÿ CĤPµP·CíP»CĤC,P°C,Pë PrPsCÍP»C-PrP¶PµPSPSCÍ EFC11759/TERIKIDS

P°PëP±C-CĤPeP° B«PīP°C†C-C”PSC,Pë P· PīCĤPëP·PSP°C†PµPSPëPj P»C-PeCíPIP°PSPSCÍPjB» Cí PrPsCÍP»C-PrP¶PµPSPSC- EFC11759	PÿPµCĤPëC,,P»CíPSPsPjC-Pr PµP»P°C†PµP±Ps (N = 109)	PµP»P°C†PµP±Ps (N = 57)
B PĤP»C-PSC-C†PSC-PeC-PSC†PµPIC- C,PsC†PePë		

P'PëP±C-CĤPëP° B«PïP°C†C-C" PSC, Pë P· PïCĤPëP·PSP°C†PµPSPëPj P»C-PeC†PIP°PSPSCĬPjB» C† PrPsC†P»C-PrP¶PµPSPSC- EFC11759	PÿPµCĤPëC„P»C†PSPSPjC-Pr (N = 109)	PµP»P°C†PµP±Ps (N = 57)
PŞP°CĬ PrPs PïPµCĤCëPsPiPs PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs PeP»C-PSC-C†PSPSPiPs CĤPµC†PëPrPëPIC† P™ PjPsPIC-CĤPSC-CĬC, CĤ (95 % P"Pt) PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs CĤPµC†PëPrPëPICé PSP° 96-PjCé C, PëP¶PSC- P™ PjPsPIC-CĤPSC-CĬC, CĤ (95 % P"Pt) PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs CĤPµC†PëPrPëPICé PSP° 48-PjCé C, PëP¶PSC-	0,39 (0,29, 0,48)  0,30 (0,21, 0,39)	0,53 (0,36; 0,68)  0,39 (0,30, 0,52)
P'C-PrPSPSCëPµPSPSCĬ CĤPëP·PëPeC-PI (95 % P"Pt)	0,66 (0,39, 1,11)^	
PŞP°CĬ PrPs PïPµCĤCëPsPiPs PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs PeP»C-PSC-C†PSPSPiPs CĤPµC†PëPrPëPIC† P°P±Ps PIPëCĬPsPePsC— P°PeC, PëPIPSPSCĬC, C- P·P° PrP°PSPëPjPë PħP Pÿ P™ PjPsPIC-CĤPSC-CĬC, CĤ (95 % P"Pt) PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs CĤPµC†PëPrPëPICé P°P±Ps PIPëCĬPsPePsC— P°PeC, PëPIPSPSCĬC, C- P·P° PrP°PSPëPjPë PħP Pÿ PSP° 96-PjCé C, PëP¶PSC- P™ PjPsPIC-CĤPSC-CĬC, CĤ (95 % P"Pt) PïC-PrC, PIPµCĤPrP¶PµPSPSPiPs CĤPµC†PëPrPëPICé P°P±Ps PIPëCĬPsPePsC— P°PeC, PëPIPSPSCĬC, C- P·P° PrP°PSPëPjPë PħP Pÿ PSP° 48-PjCé C, PëP¶PSC-	0,51 (0,41, 0,60)  0,38 (0,29, 0,47)	0,72 (0,58, 0,82)  0,56 (0,42, 0,68)
P'C-PrPSPSCëPµPSPSCĬ CĤPëP·PëPeC-PI (95 % P"Pt)	0,57 (0,37, 0,87)*	
B PħC-PSC†PµPIC- C, PsC†PePë P·P° PeCĤPëC, PµCĤC-CĬPjPë PħP Pÿ		
PÿPePsCĤPëPiPsPIP°PSP° PeC-P»CĤPeC-CĬC, CĤ PSPSPiPëC... P°P±Ps PïCĤPsPiCĤPµC†C†CĤC†PëC... Pÿ2-P·PIP°P¶PµPSPëC... PIPSPiPSPëC% C†CĤP°P¶PµPSPSCĬ P—P° PsC†C-PSPePsCĤ (95 % P"Pt) PħC†C-PSPeP° (95 % P"Pt), CĤPµC, CĤPsCĬPïPµPeC, PëPIPSPëPNë P°PSP°P»C-P· C, P°PePsP¶ CĬPePsCĤPëPiPsPIP°PSPëPNë P· CéCĤP°C...CéPIP°PSPSCĬPj PIPëC...C-PrPSPSPiPs CĤC-PIPSCĬ Pÿ2	4,74 (2,12, 10,57) 3,57 (1,97, 6,46)	10,52 (4,71, 23,50) 5,37 (2,84, 10,16)
P'C-PrPSPSCĬPSPëPNë CĤPëP·PëPe (95 % P"Pt) P'C-PrPSPSCĬPSPëPNë CĤPëP·PëPe (95 % P"Pt), CĤPµC, CĤPsCĬPïPµPeC, PëPIPSPëPNë P°PSP°P»C-P· C, P°PePsP¶ CĬPePsCĤPëPiPsPIP°PSPëPNë P· CéCĤP°C...CéPIP°PSPSCĬPj PIPëC...C-PrPSPSPiPs CĤC-PIPSCĬ Pÿ2	0,45 (0,29, 0,71)** 0,67 (0,45, 0,99)*	
PÿPePsCĤPëPiPsPIP°PSP° PeC-P»CĤPeC-CĬC, CĤ Pÿ1- P·PIP°P¶PµPSPëC... PIPSPiPSPëC% C†CĤP°P¶PµPSPSCĬ, PePsPSC, CĤP°CĬC, PsPIP°PSPëC... PïP°PrPsP»C-PSC-C" Pj P—P° PsC†C-PSPePsCĤ (95 % P"Pt)	1,90 (0,66, 5,49)	7,51 (2,48, 22,70)
P'C-PrPSPSCĬPSPëPNë CĤPëP·PëPe (95 % P"Pt)	0,25 (0,13, 0,51)***	
^ p ≥ 0,05 PïPsCĤC-PIPSCĬPSPSP P· PïP»P°C†PµP±Ps, *p < 0,05, ** p < 0,001, ***p < 0,0001 P™ PjPsPIC-CĤPSC-CĬC, CĤ P±P°P·C†PIP°P»P°CĬCĬ PSP° PsC†C-PSC†C- P·P° PħP°PïP»P°PSPSPj BĤ" PħPµC" CĤPsPj, P° 96-Pñë C, PëP¶PrPµPSCĤ P±C†PI P·P°PIPµCĤCëP°P»CĤPSPëPj C† PrPsC†P»C-PrP¶C†PIP°PSPSPjC† P»C-PeC†PIP°PSPSC- (EOT).		

P,,PICḡPsPīPμPNḡCÍCHḡPePμ P°PiPμPSC,CÍC,PIPs P· P»C-PeP°CḡCÍCHḡPePëC... P·P°CÍPsP±C-PI P·PIC-P»CHḡPSPëP»Ps PIPëCḡPsP±PSPëPeP° PIC-Pr P·PsP±PsPIBḡ™ CÍP·P°PSPSCÍ PSP°PrP°C,Pë CḡPμP·CfP»CHḡC,P°C,Pë PrPsCÍP»C-PrP¶PμPSCḡ P·P°CÍC,PsCÍCfPIP°PSPSCÍ PīCḡPμPīP°CḡP°C,Cf PḡP±P°PrP¶C-Ps<sup>B®</sup> PrC-C,CÍPj PIC-PePsPj PIC-Pr PSP°CḡPsPrP¶PμPSPSCÍ PrPs PjPμPSC€Pμ 10 CḡPsPeC-PI PrP»CÍ P»C-PeCfPIP°PSPSCÍ CḡPsP·CÍC-CÍPSPsPiPs CÍPeP»PμCḡPsP·Cf (C-PSC,,PsCḡPjP°C†C-CÍ C%PsPrPs P·P°CÍC,PsCÍCfPIP°PSPSCÍ PīCḡPμPīP°CḡP°C,Cf PrC-C,CÍPj PSP°PIPμPrPμPSP° PI CḡPsP·PrC-P»C- B«PŸPīPsCÍC-P± P·P°CÍC,PsCÍCfPIP°PSPSCÍ C,P° PrPsP·PëB»).

*PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.*

PḡP±CÍPsCḡP±C†C-CÍ.

PḡPμPrC-P°PSP° C†P°CÍCf PrPs PrPsCÍCÍPiPSPμPSPSCÍ PjP°PeCÍPëPjP°P»CHḡPSPsC— PePsPSC†PμPSC,CḡP°C†C-C— Cf PīP»P·PjC- PeCḡPsPIC- PīC-CÍP»CÍ P±P°PiP°C,PsPeCḡP°C,PSPsPiPs PīPμCḡPsCḡP°P»CHḡPSPsPiPs PīCḡPëPNḡPsPjCf C,PμCḡPëC,,P»CfPSPsPjC-PrCf CÍC,P°PSPsPIPëC,CHḡ PIC-Pr 1 PrPs 4 PiPsPrPëPS PīC-CÍP»CÍ P·P°CÍC,PsCÍCfPIP°PSPSCÍ PrPsP·Pë; P±C-PsPrPsCÍC,CfPiPSC-CÍC,CHḡ PīCḡPμPīP°CḡP°C,Cf C” PIPëCÍPsPePsCḡ (P±P»PëP·CHḡPePs 100 %).

P†P¶P° PSPμ C†PëPSPëC,CHḡ PeP»C-PSC-C†PSPs P·PSP°C†CfC%PsPiPs PIPīP»PëPICf PSP° C,,P°CḡPjP°PePsPeC-PSPμC,PëPeCf C,PμCḡPëC,,P»CfPSPsPjC-PrCf.

PќP° PsCÍPSPsPIC- CÍPμCḡPμPrPSC-C... PīCḡPsPiPSPsP·PsPIP°PSPëC... C,,P°CḡPjP°PePsPeC-PSPμC,PëC†PSPëC... PīPsPeP°P·PSPëPeC-PI, PsP±C†PëCÍP»PμPSPëC... P·P° CḡPμP·CfP»CHḡC,P°C,P°PjPë PīPsPīCfP»CÍC†C-PMḡPSPsPiPs C,,P°CḡPjP°PePsPeC-PSPμC,PëC†PSPsPiPs P°PSP°P»C-P·Cf (PμPsPīPαPḡ) P· PIPëPePsCḡPëCÍC,P°PSPSCÍPj PrP°PSPëC... C%PsPrPs P·PrPsCḡPsPIPëC... PrPsP±CḡPsPiPsP»CHḡC†C-PI C,P° PīP°C†C-C”PSC,C-PI P· P PŸ, CḡC-PIPSPsPIP°P¶PSP° PePsPSC†PμPSC,CḡP°C†C-CÍ PīCḡPμPīP°CḡP°C,Cf PrPsCÍCÍPiP°C”C,CHḡCÍCÍ PīPsPIC-P»CHḡPSPs (PīCḡPëP±P»PëP·PSPs PīCḡPsC,CÍPiPsPj 100 PrPSC-PI, 3,5 PjC-CÍCÍC†CÍ, PrPs PrPsCÍCÍPiPSPμPSPSCÍ 95 % CḡC-PIPSPsPIP°P¶PSPsC— PePsPSC†PμPSC,CḡP°C†C-C—), P° CḡPsP·CḡP°C...PsPIP°PSPμ PIC-PrPSPsC€PμPSPSCÍ PeCfPjCfP»CÍC†C-C— AUC CÍC,P°PSPsPIPëC,CHḡ PīCḡPëP±P»PëP·PSPs 34.

P PsP·PīPsPrC-P».

PŸPμCḡPëC,,P»CfPSPsPjC-Pr P·PSP°C†PSPsCḡ PjC-CḡPsCḡ P·PIBḡ™ CÍP·CfC”C,CHḡCÍCÍ P· P±C-P»PeP°PjPë PīP»P°P·PjPë PeCḡPsPIC- (> 99 %), C-PjPsPIC-CḡPSPs, P· P°P»CHḡP±CfPjC-PSPsPj, C- CḡPsP·PīPsPrC-P»CÍC”C,CHḡCÍCÍ PīPμCḡPμPIP°P¶PSPs Cf PīP»P°P·PjC-. PḡP±Bḡ™ C”Pj CḡPsP·PīPsPrC-P»Cf PīC-CÍP»CÍ PsPrPSPsPeCḡP°C,PSPsPiPs PIPSCfC,CḡC-C€PSCḡPsPIPμPSPSPsPiPs PIPμPrPμPSPSCÍ PīCḡPμPīP°CḡP°C,Cf CÍC,P°PSPsPIPëC,CHḡ 11 P». PμCḡPsC,Pμ C†PμPNḡ CḡC-PIPμPSCḡ, PSP°PNḡC-PjPsPIC-CḡPSC-C€Pμ, C” P·P°PSPëP¶PμPSPëPj, PsCÍPeC-P»CHḡPePë Cf C%CfCḡC-PI CÍPīPsCÍC,PμCḡC-PiP°PICÍCÍ P·PSP°C†PSPëPNḡ CḡPsP·PīPsPrC-P» PI PsCḡPiP°PSPë.

P’C-PsC,CḡP°PSCÍC,,PsCḡPjP°C†C-CÍ

PŸPμCḡPëC,,P»CfPSPsPjC-Pr PīPsPjC-CḡPSPs PjPμC,P°P±PsP»C-P·CfC”C,CHḡCÍCÍ C- C” C”PrPëPSPsCḡ CÍPīPsP»CfPePsCḡ, C%Ps PIPëCÍPIP»CÍC”C,CHḡCÍCÍ Cf PīP»P°P·PjC- PeCḡPsPIC-. PḡCÍPSPsPIPSPëPj C€P»CÍC...PsPj P±C-PsC,CḡP°PSCÍC,,PsCḡPjP°C†C-C— C,PμCḡPëC,,P»CfPSPsPjC-PrCf C” PīC-PrCḡPsP»C-P.; PjPμPSC€ P·PSP°C†CfC%PëPj

C€P»CЦC...PsPj вЂ“ PsPeP€CГP»PµPSPSCЦ. P”CГCГPiPsCГCЦPrPSC- PjPµC,P°P±PsP»C-C±PSC- C€P»CЦC...P€ PIPeP»CГC±P°CГC,CH PsPeP€CГP»PµPSPSCЦ, N-P°CГPµC,P€P»CГPIP°PSPSCЦ C,P° CГCГP»CГC„P°C,PSPµ PePsPSвЂ“™ CГPiCГPIP°PSPSCЦ.

P•P»C-PjC-PSP°CГC-CЦ.

PŷPµCГP€C„P»CГPSPsPjC-Pr PµPeCГPeCГPµC,CГC”C,CHCГCЦ CГ C€P»CГPSPePsPIPs- PeP€C€PePsPIP€PN€ C,CГP°PeC, PiPµCГPµPIP°P¶PSPs P· P¶PsPIC±CГ CГ PIP€PiP»CЦPrC- PSPµP·PjC-PSPµPSPsC— PrC-CГC±PsC— CГPµC±PsPIP€PSP€, PSP°PN€P±C-P»CГC€ C-PjPsPIC-CГPSPs, C€P»CЦC...PsPj PiCГCЦPjPsC— CГPµPeCГPµCГC-C—. PŷPµCГP€C„P»CГPSPsPjC-Pr C” CГCГP±CГC,CГP°C,PsPj PµC„P»CГPeCГPSPsPiPs C,CГP°PSCГPiPsCГC,PµCГP° P’CRP, C%Ps PjPsP¶Pµ P±CГP°C,P€ CГC±P°CГC,CH CГ PiCГCЦPjC-PN€ CГPµPeCГPµCГC-C—. PµCГPsC,CЦPiPsPj 21-PiPs PrPSCЦ 60,1 % PIPµPrPµPSPsC— PrPsP·P€ PµPeCГPeCГPµC,CГC”C,CHCГCЦ P· PeP°P»PsPj (37,5 %) C,P° CГPµC±PµCГ (22,6 %). PµC-CГP»CЦ PiCГPsCГPµPrCГCГP€ C€PIP€PrPePsPiPs PIP€PIPµPrPµPSPSCЦ P· PIP€PePsCГP€CГC,P°PSPSCЦPj C...PsP»PµCГC,P€CГP°PjC-PSCГ PIP€PIPsPrP€C,CHCГCЦ C%Pµ 23,1 % (PiPµCГPµPIP°P¶PSPs P· PeP°P»PsPj). P—P° CГPµP·CГP»CГC,P°C,P°PjP€ C-PSPPrP€PIC-PrCГP°P»CГPSPsPiPs PiCГPsPiPSPsP·CГ C„P°CГPjP°PePsPeC-PSPµC,P€C±PSP€C... PiPsPeP°P·PSP€PeC-PI P· PIP€PePsCГP€CГC,P°PSPSCЦPj PµPsPiPαPъ PjPsPrPµP»C- C,PµCГP€C„P»CГPSPsPjC-PrCГ, CГ P·PrPsCГPsPIP€C... PrPsP±CГPsPIPsP»CГCГC-PI C,P° PiP°CГC-C”PSC,C-PI P· P Pŷ PjPµPrC-P°PSP° C,PµCГPjC-PSP°P»CГPSPsPiPs PiPµCГC-PsPrCГ PSP°PiC-PIPIPµPrPµPSPSCЦ (t<sub>1/2z</sub>) CГC,P°PSPsPIP€P»P° PiCГP€P±P»P€P·PSPs 19 PrPSC-PI PiC-CГP»CЦ P±P°PiP°C,PsPeCГP°C,PSPsPiPs PiCГP€PN€PsPjCГ PiCГPµPiP°CГP°C,CГ CГ PrPsP·C- 14 PjPi. PµC-CГP»CЦ PsPrPSPsPeCГP°C,PSPsPiPs PIPSCГC,CГC-C€PSCГPsPIPµPSPSPsPiPs PIPµPrPµPSPSCЦ P·P°PiP°P»CГPSP€PN€ PeP»C-CГPµPSCГ C,PµCГP€C„P»CГPSPsPjC-PrCГ CГC,P°PSPsPIP€C,CH 30,5 PjP»/PiPsPr.

PµCГPsCГPµPrCГCГP° PiCГP€CГPePsCГPµPSPsPiPs PIP€PIPµPrPµPSPSCЦ:  
C...PsP»PµCГC,P€CГP°PjC-PS C,P° P°PeC,P€PIPsPIP°PSPµ PICГPiC-P»P»CЦ.

P’P€PIPµPrPµPSPSCЦ C,PµCГP€C„P»CГPSPsPjC-PrCГ P· PeCГPsPIPsPsP±C-PiCГ PjPsP¶PSP° PiCГP€CГPePsCГP€C,P€ P·P°CГC,PsCГCГPIP°PIC€P€ C...PsP»PµCГC,P€CГP°PjC-PS P°P±Ps P°PeC,P€PIPsPIP°PSPµ PICГPiC-P»P»CЦ, CЦPeC-, CЦPe PIPIP°P¶P°C”C,CHCГCЦ, P±P»PsPeCГCГC,CH PiCГPsCГPµCГP€ CГPµP°P±CГPsCГP±CГC-C— PI PeP€C€PµC±PSP€PeCГ. PъPsPSCГPµPSC,CГP°CГC-C— C,PµCГP€C„P»CГPSPsPjC-PrCГ, CЦPeC- PIP€P·PSP°C±P°P»P€CГCЦ PiC-Pr C±P°CГ 11-PrPµPSPSPsC— PiCГPsCГPµPrCГCГP€ PiCГP€CГPePsCГPµPSPSCЦ PIP€PIPµPrPµPSPSCЦ C,PµCГP€C„P»CГPSPsPjC-PrCГ P· PiCГP€PN€PsPjPsPj 8 Pi C...PsP»PµCГC,P€CГP°PjC-PSCГ C,CГP€C±C- PSP° PrPsP±CГ, 4 Pi C...PsP»PµCГC,P€CГP°PjC-PSCГ C,CГP€C±C- PSP° PrPsP±CГ P°P±Ps 50 Pi P°PeC,P€PIPsPIP°PSPsPiPs PICГPiC-P»P»CЦ PrPIC-C±C- PSP° PrPsP±CГ PiC-CГP»CЦ PiCГP€PiP€PSPµPSPSCЦ P»C-PeCГPIP°PSPSCЦ C,PµCГP€C„P»CГPSPsPjC-PrPsPj, PiCГPsPrPµPjPsPSCГC,CГCГPIP°P»P€ PµC„PµPeC,P€PIPSC-CГC,CH CГP€C... CГPµP¶P€PjC-PI PrP»CЦ PiCГP€CГPePsCГPµPSPSCЦ PIP€PIPµPrPµPSPSCЦ C,PµCГP€C„P»CГPSPsPjC-PrCГ, C%Ps P·P°P±PµP·PiPµC±CГPIP°P»P€ P·PjPµPSC€PµPSPSCЦ PePsPSCГPµPSC,CГP°CГC-C— C,PµCГP€C„P»CГPSPsPjC-PrCГ CГ PiP»P°P·PjC- PeCГPsPIC- P±C-P»CГC€ PSC-P¶ PSP° 98 %; PiCГP€ CГCHPsPjCГ C...PsP»PµCГC,P€CГP°PjC-PS PrC-CЦPI C€PIP€PrC€Pµ, PSC-P¶ P°PeC,P€PIPsPIP°PSPµ PICГPiC-P»P»CЦ. PµC-CГP»CЦ PIC-PrPjC-PSP€ C,PµCГP€C„P»CГPSPsPjC-PrCГ C,P° PiCГP€P·PSP°C±PµPSPSCЦ C...PsP»PµCГC,P€CГP°PjC-PSCГ CГ PrPsP·C- 8 Pi C,CГP€C±C- PSP° PrPsP±CГ PePsPSCГPµPSC,CГP°CГC-C— C,PµCГP€C„P»CГPSPsPjC-PrCГ PI PiP»P°P·PjC- PeCГPsPIC- P·PjPµPSC€P€P»P€CГCЦ PSP° 52 % PSP° PeC-PSPµCГCH PrPSCЦ 1, PSP° 91 % PSP° PeC-PSPµCГCH PrPSCЦ 3, PSP° 99,2 % PSP°

PeC-PSPμC†CH PrPSCЦ 7 C- PSP°B 99,9 % PSP° PeC-PSPμC†CH PrPSCЦ 11. P'PëP±C-CH PsPrPSC-C"C- P. C†PëC... C,CHCHPsC... PiCHPsC†PμPrC†CH PiCHPëC†PePsCHPμPSPSCЦ PIPëPIPμPrPμPSPSCЦ PiCHPμPiP°CHP°C,C† PIPëP·PSP°C†P°C"C,CHC†CЦ PïPμCHPμPSPS†PëPjC-C†C,CH PiP°C†C-C"PSC,P°. PïPeC%Ps C...PsP»PμC†C,PëCHP°PjC-PS C† PrPsP·C- 8 Pi C,CHPëC†C- PSP° PrPsP±C† PïPμCHPμPSPS†PëC,CHC†CЦ PïPsPiP°PSPs, PjPsP¶PSP° PiCHPëP·PSP°C†PëC,Pë C...PsP»PμC†C,PëCHP°PjC-PS C† PrPsP·C- 4 Pi C,CHPëC†C- PSP° PrPsP±C†. PïPe P°P»CHC,PμCHPSP°C,PëPIP° PjPsP¶Pμ C,P°PePsP¶ PIPëPePsCHPëC†C,PsPIC†PIP°C,PëC†CH P°PeC,PëPIPsPIP°PSPμ PIC†PiC-P»P»CЦ (C†C- 11 PrPSC-PI PSPμ PsP±PsPIB¶™ CЦP·PePsPIPs PjP°CHC,CH P±C†C,Pë PïPsC†P»C-PrPsPIPSPëPjPë, CЦPeC%Ps PSPμPjP°C" PïPsC,CHPμP±Pë C† C€PIPëPrPePsPjC† P·PSPëP¶PμPSPSC- PePsPSC†PμPSC,CHP°C†C-C- C,PμCHPëC,,P»C†PSPsPjC-PrC† C† PïP»P°P·PjC- PeCHPsPIC-).

P>C-PSC-PN°PSC-C†C,CH/PSPμP»C-PSC-PN°PSC-C†C,CH.

PŸPëC†C,PμPjPSP° PμPeC†PïPsP·PëC†C-CЦ PiC-C†P»CЦ PïPμCHPsCHP°P»CHPSPsPiPs PiCHPëPN°PsPjC† C,PμCHPëC,,P»C†PSPsPjC-PrC† PI PrPsP·P°C... PIC-Pr 7 PrPs 14 PjPi P·CHPsC†C,P°C" PiCHPsPiPsCHC†C-PN°PSPs PrPs PrPsP·Pë.

PIP°CHP°PeC,PμCHPëC†C,PëPePë PI PsPeCHPμPjPëC... PiCHC†PïP°C... PïP°C†C-C"PSC,C-PI.

*PμP°C†C-C"PSC,Pë C†PsP»PsPIC-C†PsC-/P¶C-PSPsC†PsC- C†C,P°C,C-, PïP°C†C-C"PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCž. P-P° CHPμP·C†P»CHC,P°C,P°PjPë PμPsPiPαP¶ P°PSP°P»C-P·C† C† P·PrPsCHPsPIPëC... PrPsP±CHPsPIPsP»CHC†C-PI C,P° PïP°C†C-C"PSC,C-PI P· P PŸ PIPëCЦPIP»PμPSPs PrPμPeC-P»CHPeP° C-PSPrPëPIC-PrC†P°P»CHPSPëC... C,,P°PeC,PsCHC-PI PIP°CHC-P°P±PμP»CHPSPsC†C,C- C,,P°CHPjP°PePsPeC-PSPμC,PëPePë PiCHPμPiP°CHP°C,C†: PIC-Pe, PjP°C†P° C,C-P»P°, C†C,P°C,CH, CHP°C†PsPIP° PiCHPëPSP°P»PμP¶PSC-C†C,CH C,P° CHC-PIPS- P°P»CHP±C†PjC-PSC† C- P±C-P»C-CHC†P±C-PSC†. P¶CHPsC,Pμ PIPiP»PëPI C†PëC... C,,P°PeC,PsCHC-PI PSP° C,,P°CHPjP°PePsPeC-PSPμC,PëPeC† PiCHPμPiP°CHP°C,C† P·P°P»PëC€P°C"C,CHC†CЦ PsP±PjPμP¶PμPSPëPj (≤ 31 %).*

*PμPμC†C-PSPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,CH. P>PμPiPePμ C,P° PïPsPjC-CHPSPμ PïPsCHC†C€PμPSPSCЦ C,,C†PSPeC†C-C- PïPμC†C-PSPePë PSPμ PIPiP»PëPIP°C" PSP° C,,P°CHPjP°PePsPeC-PSPμC,PëPeC† C,PμCHPëC,,P»C†PSPsPjC-PrC†. Pj P·PIB¶™ CЦP·PeC† P·C†PëPj PePsCHPμPeC†C-CЦ PrPsP·Pë PrP»CЦ PïP°C†C-C"PSC,C-PI P· P»PμPiPePëPj C,P° PïPsPjC-CHPSPëPj PïPsCHC†C€PμPSPSCЦPj C,,C†PSPeC†C-C- PïPμC†C-PSPePë PSPμ PïPμCHPμPrP±P°C†PμPSP°. P¶CHPsC,Pμ C,PμCHPëC,,P»C†PSPsPjC-Pr PiCHPsC,PëPiPsPeP°P·P°PSPëPN° PïP°C†C-C"PSC,P°Pj P· C,CЦP¶PePsCH PïPμC†C-PSPePsPIPsCH PrPëC†C,,C†PSPeC†C-C"CH (PrPëPI. CHPsP·PrC-P»Pë B«PŸPïPsC†C-P± P·P°C†C,PsC†C†PIP°PSPSCЦ C,P° PrPsP·PëB» C,P° B«P¶CHPsC,PëPiPsPeP°P·P°PSPSCЦB»).*

*PkPëCHPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,CH. PŸCЦP¶PePμ PïPsCHC†C€PμPSPSCЦ C,,C†PSPeC†C-C- PSPëCHPsPe PSPμ PIPiP»PëPIP°C" PSP° C,,P°CHPjP°PePsPeC-PSPμC,PëPeC† C,PμCHPëC,,P»C†PSPsPjC-PrC†. Pj P·PIB¶™ CЦP·PeC† P·C†PëPj PePsCHPμPeC†C-CЦ PrPsP·Pë PrP»CЦ PïP°C†C-C"PSC,C-PI P· P»PμPiPePëPj, PïPsPjC-CHPSPëPj C,P° C,CЦP¶PePëPj PïPsCHC†C€PμPSPSCЦPj C,,C†PSPeC†C-C- PSPëCHPsPe PSPμ PïPμCHPμPrP±P°C†PμPSP°.*

P"C-C,Pë

Pj PrC-C,PμPN° P· PjP°C†PsCH C,C-P»P° PïPsPSP°Pr 40 PePi, CЦPeC- PsC,CHPëPjC†PIP°P»Pë 14 PjPi PSP° PrPsP±C†, CHC-PIPSPIP°P¶PSP° PePsPSC†PμPSC,CHP°C†C-CЦ P·PSP°C...PsPrPëP»P°C†CЦ C† PrC-P°PïP°P·PsPSC-, CЦPePëPN° C†PiPsC†C,PμCHC-PiP°PIC†CЦ C† PrPsCHPsC†P»PëC... PïP°C†C-C"PSC,C-PI, C%Ps PsC,CHPëPjC†PIP°P»Pë C,P°PePëPN°

CÍP°PjPëP№ CĤPμP¶PëPj PrPsP·CfPIP°PSPSCĬ.

Pj PíP°C†C-C" PSC,C-PI PrPëC,CĬC†PsPiPs PIC-PeCf P· PjP°CÍPsCĤ C,C-P»P° ≤ 40 PePi P»C-PeCfPIP°PSPSCĬ PrPsP·PsCĤ 7 PjPi PsPrPëPS CĤP°P· PSP° PrPsP±Cf (PSP° PíC-PrCÍC,P°PIC- PsP±PjPμP¶PμPSPëC... PeP»C-PSC-C†PSPëC... PrP°PSPëC... C,P° PjPsPrPμP»CĤPIP°PSPSCĬ) PíCĤPëP·PIPμP»Ps PrPs CĤC-PIPSPsPIP°P¶PSPsC— PePsPSC†PμPSC,CĤP°C†C-C— Cf PrC-P°PíP°P·PsPSC-, C%Ps CÍPíPsCÍC,PμCĤC-PiP°PICÍCĬ Cf PrPsCĤPsCÍP»PëC... PíP°C†C-C" PSC,C-PI, CĬPeC- PsC,CĤPëPjCfPIP°P»Pë 14 PjPi PsPrPëPS CĤP°P· PSP° PrPsP±Cf.

PŸPíPsCÍC,PμCĤPμP¶CfPIP°PSC- C-PSPPrPëPIC-PrCfP°P»CĤPSC- PjC-PSC-PjP°P»CĤPSC- CĤC-PIPSPsPIP°P¶PSC- PePsPSC†PμPSC,CĤP°C†C-C— P±CfP»Pë PrCfP¶Pμ PIP°CĤC-P°P±PμP»CĤPSPëPjPë, CĬPe C†Pμ CÍPíPsCÍC,PμCĤC-PiP°P»PsCÍCĬ C- Cf PrPsCĤPsCÍP»PëC... PíP°C†C-C" PSC,C-PI P· P PŸ.

P"PsPeP»C-PSC-C†PSC- PrP°PSC- P· P±PμP·PíPμPePë.

PŸPsPeCÍPëC†PSC-CÍC,CĤ PíPsPIC,PsCĤPSPëC... PrPsP·

PμCĤPë P±P°PíP°C,PsPeCĤP°C,PSPsPjCf PíPμCĤPsCĤP°P»CĤPSPsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC- C,PμCĤPëC,,P»CfPSPsPjC-PrCf PjPëC€P°Pj, C%CrCĤP°Pj C,P° CÍPsP±P°PeP°Pj PíCĤPsC,CĬPiPsPj PíPμCĤC-PsPrCf C,CĤPëPIP°P»C-CÍC,CĤ PrPs 3, 6 C,P° 12 PjC-CÍCĬC†C-PI PIC-PrPíPsPIC-PrPSPs P±CfP»Ps P·BĤ™ CĬCÍPsPIP°PSPs, C%Ps PsCÍPSPsPIPSPëPjPë PsCĤPiP°PSP°PjPë-PjC-C€PμPSCĬPjPë C,PsPeCÍPëC†PSPsCÍC,C- PíCĤPμPíP°CĤP°C,Cf P±CfP»Pë C†PμCĤPIPSPSPëP№ PeC-CÍC,PePsPIPëP№ PjPsP·PsPe, P»C-PjC,,PsC—PrPSC- PsCĤPiP°PSPë, PíPsCĤPsP¶PSPëPSP° CĤPsC,P°/ C€P»CfPSPePsPíPs- PePëC€PePsPIPëP№ C,CĤP°PeC,, CĤPμPíCĤPsPrCfPeC,PëPIPSC- PsCĤPiP°PSPë C- PíC-PrC€P»CfPSPePsPIP° P·P°P»PsP·P°. PŸP°PePsP¶ CÍPíPsCÍC,PμCĤC-PiP°P»PëCÍCĤ PsP·PSP°PePë PsPePëCÍP»CĤPIP°P»CĤPSPsPiPs PíP»PëPICf PSP° PμCĤPëC,CĤPsC†PëC,Pë. PĤPSPμPjC-CĬ, P·PjPμPSC€PμPSPSCĬ PeC-P»CĤPePsCÍC,C- C,CĤPsPjP±PsC†PëC,C-PI C,P° PμC,,PμPeC,Pë P· P±PsPeCf C-PjCfPSPSPsC— CÍPëCÍC,PμPjPë, C%Ps PíPeP»CĤC†P°P»Pë P»PμP№PePsPíPμPSC-CĤ, P»C-PjC,,PsPíPμPSC-CĤ C,P° PIC,PsCĤPëPSPSC- C-PSC,,PμPeC†C-C—, P±CfP»Pë PíPsPíBĤ™ CĬP·P°PSC- P· PíPíP»PëPIPSPj PSP° C†PμCĤPIPSPSPëP№ PeC-CÍC,PePsPIPëP№ PjPsP·PsPe C,P°/P°P±Ps P»C-PjC,,PsC—PrPSC- PsCĤPiP°PSPë. P' C-P»CĤC€C-CÍC,CĤ PμC,,PμPeC,C-PI C" PIC-PrPsP±CĤP°P¶PμPSPSCĬPj PsCÍPSPsPIPSPsPiPs PjPμC...P°PSC-P·PjCf PrC-C— CÍPíPsP»CfPePë (C-PSPiC-P±CfPIP°PSPSCĬ PíPsPrC-P»Cf PeP»C-C,PëPS). PŸPIP°CĤPëPSPë P±C-P»CĤC€ C†CfC,P»PëPIC- PrPs C,,P°CĤPjP°PePsP»PsPiC-C†PSPëC... C-, PIC-PrPíPsPIC-PrPSPs, PrPs C,PsPeCÍPëC†PSPëC... PμC,,PμPeC,C-PI C,PμCĤPëC,,P»CfPSPsPjC-PrCf, PSC-P¶ P»CĤPrPëPSP°. P'PSP°CÍP»C-PrPsPe C†CĤPsPiPs Cf C,PIP°CĤPëPS C,PsPeCÍPëC†PSC- PμC,,PμPeC,Pë PíCĤPμPíP°CĤP°C,Cf CÍPíPsCÍC,PμCĤC-PiP°P»PëCÍCĬ PíCĤPë CĤC-PIPSCĬC... PμPeCÍPíPsP·PëC†C-C—, C%Ps C" PμPePIC-PIP°P»PμPSC,PSPëPjPë C,P°PePëPj Cf P»CĤPrPëPSPë PíCĤPë P·P°CÍC,PsCÍCfPIP°PSPSC- C,PμCĤP°PíPμPIC,PëC†PSPëC... PrPsP· P°P±Ps PSPëP¶C†PëPjPë.

P" PμPSPsC,PsPeCÍPëC†PSPëP№ C,P° PeP°PSC†PμCĤPsPiPμPSPSPëP№ PíPsC,PμPSC†C-P°P»Pë

PŸPμCĤPëC,,P»CfPSPsPjC-Pr PSPμ P±CfPI PjCfC,P°PíPμPSPSPëPj *in vitro* P°P±Ps PeP»P°CÍC,PsPiPμPSPSPëPj *in vivo*. PĤP»P°CÍC,PsPiPμPSPSC-CÍC,CĤ, PíPëCĬPIP»PμPSP° *in vitro*, CĤPsP·PiP»CĬPrP°P»P°CÍCĤ CĬPe PSPμPíCĤCĬPjPëP№ PμC,,PμPeC,, PíPsPíBĤ™ CĬP·P°PSPëP№ P· PrPëCÍP±P°P»P°PSCÍPsPj PSCfPeP»PμPsC,PëPrPSPsPiPs PíCfP»Cf PIPSP°CÍP»C-PrPsPe C,,P°CĤPjP°PePsP»PsPiC-C†PSPëC... PμC,,PμPeC,C-PI C-PSPiC-P±CfPIP°PSPSCĬ P"P"PĤ-P"P". P"CĤCfPíPsCĤCĬPrPSPëP№ PjPμC,P°P±PsP»C-C,



C%oCfC7C-PI P±CfP»Ps PIC-PrCfCfC,PSC". P—PSP°C±CfC%oC-CfC,CH C+C-C"C—  
C7C-P·PSPëC+C- PSPµPIC-PrPsPjP°, P°P»Pµ P±CfP»P° PíC7PsPrPµPjPsPSCfC,C7PsPIP°PSP°  
PíPsPIPSP° C—C— PsP±PsC7PsC,PSC-CfC,CH, CµPe C- PrP»Cµ P±C-P»CHC€PsCfC,C-  
C-PSC€PëC... PIPëCfPSPsPIPeC-PI. P§PµC7PµP· PIPëCfPSPeCf C±CfC,P»PëPIC-CfC,CH  
C,PIP°C7PëPS PrPs C,PµC7PëC,,P»CfPSPsPjC-PrCf PjPsP»PsPrC- C%oCfC7Pë  
P·P°P·PSP°PIP°P»Pë PIPiP»PëPICf PSPëP¶C±PëC... C7C-PIPS-PI, PSC-P¶ PrC-C,Pë PíC7Pë  
PjP°PeCfPëPjP°P»CHPSC-PMë C7PµPePsPjPµPSPPrPsPIP°PSC-PMë PrPsP·C- PrP»Cµ P»C7PrPëPSPë  
(P7P P" P»).

**РъР»C-PSC-C±PSC- C...P°C7P°PeC,PµC7PëCfC,PëPePë.**

**PµPsPeP°P·P°PSPSCµ.**

PµC7PµPíP°C7P°C, P7P±P°PrP¶C-Ps<sup>B®</sup> PíPsPeP°P·P°PSPëPMë PrP»Cµ P»C-PeCfPIP°PSPSCµ  
PrPsC7PsCfP»PëC... PíP°C+C-C"PSC,C-PI C,P° PrC-C,PµPMë PIC-PePsPj PIC-Pr 10 C7PsPeC-PI P·  
C7PµC±PëPrPëPICfC7C±Ps-C7PµPjC-C,CfC7C±PëPj C7PsP·CfC-CµPSPëPj CfPeP»PµC7PsP·PsPj  
(P PŸ) (Cf C7PsP·PrC-P»C- B«PαP°C7PjP°PePsPrPëPSP°PjC-PeP°B» PSP°PIPµPrPµPSP°  
PIP°P¶P»PëPIP° C-PSC,,PsC7PjP°C+C-Cµ PíC7Ps PíPsPíCfP»CµC+C-C7 PíP°C+C-C"PSC,C-PI,  
PrP»Cµ CµPePsC— P±CfP»P° PIPëP·PSP°C±PµPSP° PµC,,PµPeC,PëPIPSC-CfC,CH  
P»C-PeCfPIP°PSPSCµ).

**PµC7PsC,PëPíPsPeP°P·P°PSPSCµ.**

P"C-PíPµC7C±CfC,P»PëPIC-CfC,CH PrPs PrC-C7C±PsC— C7PµC±PsPIPëPSPë P°P±Ps PrPs  
P±CfPrCH-CµPePsC— P· PrPsPíPsPjC-P¶PSPëC... C7PµC±PsPIPëPS, PíPµC7PµP»C-Pe CµPePëC...  
PSP°PIPµPrPµPSPs Cf C7PsP·PrC-P»C- B«PŸPeP»P°PrB».

PŸCµP¶PePµ PíPsC7CfC€PµPSPSCµ C,,CfPSPeC+C-C— PíPµC±C-PSPePë (PeP»P°Cf PŸ P·P° P·  
PeP»P°CfPëC,,C-PeP°C+C-C"C7 P§P°PMëP»PrP°-PµB7™ C7).

P°PíC-C,PSC-CfC,CH. P-C-PSPePë C7PµPíC7PsPrCfPeC,PëPIPSPsPíPs PIC-PeCf  
PíPsPIPëPSPSC- PIPëPePsC7PëCfC,PSPICfPIP°C,Pë PSP°PrC-PMëPSC- PjPµC,PsPrPë  
PePsPSC,C7P°C±PµPíC+C-C— PíC-Pr C±P°Cf P»C-PeCfPIP°PSPSCµ  
C,PµC7PëC,,P»CfPSPsPjC-PrPsPj C- PíC-CfP»Cµ PMëPsPíPs P·P°PeC-PSC±PµPSPSCµ, PíPsPePë  
C7C-PIPµPSC7 PíC7PµPíP°C7P°C,Cf Cf PíP»P°P·PjC- PeC7PsPIC- P·P°P»PëC€P°C"C,CHCfCµ  
PIPëC%oPµ 0,02 PjPi/P» (PrPëPI. C7PsP·PrC-P» B«P—P°CfC,PsCfCfPIP°PSPSCµ Cf PíPµC7C-PsPr  
PIP°PíC-C,PSPsCfC,C- P°P±Ps PíPsPrCfPIP°PSPSCµ PíC7CfPrPrC7B»). PkPµPsP±C...C-PrPSPs  
PIPëPeP»C7C±PëC,Pë PIP°PíC-C,PSC-CfC,CH PrPs PíPsC±P°C,PeCf P»C-PeCfPIP°PSPSCµ  
PíC7PµPíP°C7P°C,PsPj (PrPëPI. C7PsP·PrC-P» B«P—P°CfC,PsCfCfPIP°PSPSCµ Cf PíPµC7C-PsPr  
PIP°PíC-C,PSPsCfC,C- P°P±Ps PíPsPrCfPIP°PSPSCµ PíC7CfPrPrC7B»).

PµPµC7C-PsPr PíPsPrCfPIP°PSPSCµ PíC7CfPrPrC7 (PrPëPI. C7PsP·PrC-P»  
B«P—P°CfC,PsCfCfPIP°PSPSCµ Cf PíPµC7C-PsPr PIP°PíC-C,PSPsCfC,C- P°P±Ps  
PíPsPrCfPIP°PSPSCµ PíC7CfPrPrC7B»).

PŸCµP¶PeC- C-PjCfPSPsPrPµC,,C-C±PëC,PSC- CfC,P°PSPë, PSP°PíC7PëPeP»P°Pr  
CfPëPSPPrC7PsPj PSP°P±CfC,PsPíPs C-PjCfPSPsPrPµC,,C-C±PëC,Cf (PŸPkP±P").

P—PSP°C±CfC%oC- PíPsC7CfC€PµPSPSCµ C,,CfPSPeC+C-C— C±PµC7PIPSPSPsPíPs



PeC-CrC,PePsPIPsPiPs PjPsP·PeCr P°P±Ps P·PSP°C±CrC%°P° P°PSPµPjC-CI, P»PµPN№PePsPiPµPSC-CI, PSPµPN№C,CḡPsPiPµPSC-CI P°P±Ps C,CḡPsPjP±PsC†PëC,PsPiPµPSC-CI.

PÿCIIPI¶PeP° P°PeC,PëPIPSP° C-PSC,,PµPeC†C-CI, PrPs PsPrCrP¶P°PSPSCII (PrPëPI. CḡPsP·PrC-P» B«PhCrPsP±P»PëPIPsCrC,C- P·P°CrC,PsCrCrPIP°PSPSCII»).

PÿCIIPI¶PePµ PiPsCḡCrC€PµPSPSCII C,,CrPSPeC†C-C— PSPëCḡPsPe, C%°Ps PiPsC,CḡPµP±CrC” PrC-P°P»C-P·Cr, PsCrPeC-P»CHPePë PrPsCrPIC-Pr PeP»C-PSC-C±PSPsPiPs P·P°CrC,PsCrCrPIP°PSPSCII PiCḡPµPiP°CḡP°C,Cr P·P° C,P°PePëC... PsP±CrC,P°PIPëPS PSP°CḡP°P·C- PSPµPrPsCrC,P°C,PSC-P№.

PÿCIIPI¶PeP° PiC-PiPsPiCḡPsC,PµC—PSPµPjC-CI, PSP°PiCḡPëPeP»P°Pr, PiCḡPë PSPµC,,CḡPsC,PëC±PSPsPjCr CrPëPSPPrCḡPsPjC-.

**P·P°C”PjPsPrC-CI P·C-PSC€PëPjPë P»C-PeP°CḡCrCHPePëPjPë P·P°CrPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PN№.**

P—CrPjPsPIP»PµPSPëPN№ C,,P°CḡPjP°PePsPeC-PSPµC,PëC±PSPsCḡ PIP·P°C”PjPsPrC-C”Cḡ PIPiP»PëPI C-PSC€PëC... CḡPµC±PsPIPëPS PSP° C,PµCḡPëC,,P»CrPSPsPjC-Pr.

PhCrPSPsPIPSPëPj C€P»CIIC...PsPj P±C-PsC,CḡP°PSCrC,,PsCḡPjP°C†C-C— C,PµCḡPëC,,P»CrPSPsPjC-PrCr C” PiC-PrCḡPsP»C-P·, PjPµPSC€ P·PSP°C±CrC%°PëPj C€P»CIIC...PsPj бḡ” PsPePëCrP»PµPSPSCII.

*PµPsC,CáP¶PSC- C-PSPrCáPeC,PsCḡPë C†PëC,PsC...CḡPsPjCá P 450 (CYP) C- C,CḡP°PSCrPiPsCḡC,PµCḡC-PI. PµCḡPë PsPrPSPsC±P°CrPSPsPjCr P±P°PiP°C,PsPeCḡP°C,PSPsPjCr PIPiPµPrPµPSPSC- (600 PjPi PsPrPëPS CḡP°P·PSP° PrPsP±Cr PiCḡPsC,CIIPiPsPj 22 PrPSC-PI) CḡPëC,,P°PjPiC-C†PëPSCr (C-PSPrCrPeC,PsCḡ CYP2B6, 2C8, 2C9, 2C19, 3A), C%°Ps C,P°PePsP¶ C” C-PSPrCrPeC,PsCḡPsPj PµC,,P»CḡPeCrPSPëC... C,CḡP°PSCrPiPsCḡC,PµCḡC-PIB P - PiP»C-PePsPiCḡPsC,PµC—PSCr [P-gp] C,P° P±C-P»PeP° CḡPµP·PëCrC,PµPSC,PSPsCrC,C- CḡP°PeCr PjPsP»PsC±PSPsC— P·P°P»PsP·Pë [breast cancer resistant protein, BCRP], C- P·P°CrC,PsCrCrPIP°PSPSC- C,PµCḡPëC,,P»CrPSPsPjC-PrCr (PsPrPSPsPeCḡP°C,PSPëPN№ PiCḡPëPN№PsPj Cr PrPsP·C- 70 PjPi) CrPiPsCrC,PµCḡC-PiP°P»PsCrCH P·PjPµPSC€PµPSPSCII PµPeCrPiPsP·PëC†C-C— C,PµCḡPëC,,P»CrPSPsPjC-PrCr PiCḡPëP±P»PëP·PSPsB PSP° 40 %. P PëC,,P°PjPiC-C†PëPS C,P° C-PSC€C- PIC-PrPsPjC- PiPsC,CrP¶PSC- C-PSPrCrPeC,PsCḡPë CYP C- C,CḡP°PSCrPiPsCḡC,PµCḡC-PI, C,P°PeC- CIIPe PeP°CḡP±P°PjP°P·PµPiC-PS, C,,PµPSPsP±P°CḡP±C-C,P°P», C,,PµPSC-C,PsC—PS C,P° P·PIC-CḡPsP±C-PN№, PSPµPsP±C...C-PrPSPs P· PsP±PµCḡPµP¶PSC-CrC,Cḡ PIPëPePsCḡPëCrC,PsPICrPIP°C,Pë PiC-Pr C±P°Cr P»C-PeCrPIP°PSPSCII C,PµCḡPëC,,P»CrPSPsPjC-PrPsPj.*

*PrPsP»PµCrC,PëCḡP°PjC-PS P°P±Ps P°PeC,PëPIPsPIP°PSPµ PICáPiC-P»P»CI. P PµPePsPjPµPSPrCrC”C,CHCrCI, C%°PsP± PiP°C†C-C”PSC,P°Pj, CIIPeC- PsC,CḡPëPjCrCḡC,CH C,PµCḡPëC,,P»CrPSPsPjC-Pr, PSPµ PiCḡPëP·PSP°C±PICrCI C...PsP»PµCrC,PëCḡP°PjC-PS P°P±Ps P°PeC,PëPIPsPIP°PSPµ PICrPiC-P»P»CI, PsCrPeC-P»CHPePë C†Pµ PiCḡPëP·PIPsPrPëC,CH PrPs C€PIPëPrPePsPiPs C,P°*

CfCfC,C,C"PIPsPiPs P·PSPëP¶PµPSPSC¶ PePsPSC†PµPSC,C¶P°C†C-C—  
C,PµC¶PëC,,P»CfPSPsPjC-PrCf Cf PiP»P°P·PjC- PeC¶PsPIC-, P·P° PIPëPSC¶¶C,PePsPj  
PIPëPiP°PrPeC-PI, PePsP»Pë PiC¶PëCf¶PePsC¶PµPSPµ PIPëPIPµPrPµPSPSC¶¶  
PiC¶PµPiP°C¶P°C,Cf P· PsC¶PiP°PSC-P·PjCf C" P±P°P¶P°PSPëPj. P'PIP°P¶P°C"C,CHCfC¶¶,  
C%Ps PjPµC...P°PSC-P·Pj C†CHPsPiPs PµC,,PµPeC,Cf P·CfPjPsPIP»PµPSPëPNë  
PiC¶PëPiPëPSPµPSPSC¶¶Pj PµPSC,PµC¶PsPiPµPiP°C,PëC†PSPsC—  
C¶PµC†PëC¶PeCfP»C¶C†C-C— C,PµC¶PëC,,P»CfPSPsPjC-PrCf C,P°/P°P±Ps CëP»CfPSPePsPIPs-  
PePëCëPePsPIPëPj PrC-P°P»C-P·PsPj C,PµC¶PëC,,P»CfPSPsPjC-PrCf.

P—CfPjPsPIP»PµPSPëPNë C,,P°C¶PjP°PePsPeC-PSPµC,PëC†PSPsC¶ PIP·P°C"PjPsPrC-C"C¶  
PIPiP»PëPi C,PµC¶PëC,,P»CfPSPsPjC-PrCf PSP° C-PSCëC- C¶PµC†PsPIPëPSPë.

P'PiP»PëPI C,PµC¶PëC,,P»CfPSPsPjC-PrCf PSP° CfCfP±CfC,C¶P°C,Pë CYP2C8:  
C¶PµPiP°PiP»C-PSC-Pr. PµC-CfP»C¶ P±P°PiP°C,PsPeC¶P°C,PSPsPiPs PiC¶PëPNëPsPjCf  
C,PµC¶PëC,,P»CfPSPsPjC-PrCf CfPiPsCfC,PµC¶C-PiP°P»PsCfC¶¶  
P·P±C-P»CHCëPµPSPSC¶¶ CfPµC¶PµPrPSC-C... C¶C-PIPSC-PI C<sub>max</sub> C- AUC  
C¶PµPiP°PiP»C-PSC-PrCf (PI 1,7 C,P° 2,4 C¶P°P·P° PIC-PrPiPsPIC-PrPSPs), C%Ps  
CfPIC-PrC†PëC,CH PiC¶Ps C-PSPiC-P±CfC¶PëPNë PIPiP»PëPi  
C,PµC¶PëC,,P»CfPSPsPjC-PrCf PSP° CYP2C8 in vivo. Pj P·PiB¶™ C¶P·PeCf P· C†PëPj  
P»C-PeP°C¶CfCHPeC- P·P°CfPsP±Pë, PjPµC,P°P±PsP»C-P·Pj C¶PePëC...  
PsPiPsCfPµC¶PµPrPePsPICfC"C,CHCfC¶¶ C,,PµC¶PjPµPSC,PsPj CYP2C8, C,P°PeC- C¶Pe  
C¶PµPiP°PiP»C-PSC-Pr, PiP°PeP»C-C,P°PeCfPµP», PiC-PsPiP»C-C,P°P·PsPS P°P±Ps  
C¶PsP·PëPiP»C-C,P°P·PsPS, PSPµPsP±C...C-PrPSPs P·P°CfC,PsCfPsPICfPIP°C,Pë P·  
PsP±PµC¶PµP¶PSC-CfC,C¶ PiC-Pr C†P°Cf P»C-PeCfPIP°PSPSC¶¶  
C,PµC¶PëC,,P»CfPSPsPjC-PrPsPj.

P'PiP»PëPI C,PµC¶PëC,,P»CfPSPsPjC-PrCf PSP° PiPµC¶PsC¶P°P»CHPSC-  
PePsPSC,C¶P°C†PµPiC,PëPIPë: 0,03 PjPi PµC,PëPSC-P»PµCfC,C¶P°PrC-PsP»Cf C,P° 0,15 PjPi  
P»PµPIPSPSPsC¶PiPµCfC,C¶PµP»Cf. PµC-CfP»C¶ P±P°PiP°C,PsPeC¶P°C,PSPsPiPs  
PiC¶PëPNëPsPjCf C,PµC¶PëC,,P»CfPSPsPjC-PrCf CfPiPsCfC,PµC¶C-PiP°P»PsCfC¶¶  
P·C¶PsCfC,P°PSPSC¶¶ CfPµC¶PµPrPSC-C... P·PSP°C†PµPSC¶ C<sub>max</sub> C- AUC<sub>0-24</sub>  
PµC,PëPSC-P»PµCfC,C¶P°PrC-PsP»Cf (Cf 1,58 C,P° 1,54 C¶P°P·P° PIC-PrPiPsPIC-PrPSPs) C,P°  
C<sub>max</sub> C- AUC<sub>0-24</sub> P»PµPIPSPSPsC¶PiPµCfC,C¶PµP»Cf (PI 1,33 C,P° 1,41 C¶P°P·P°  
PIC-PrPiPsPIC-PrPSPs). P¶PsC†P° PSPµP±P°P¶P°PSPsPiPs PIPiP»PëPICf C†C-C"C—  
PIP·P°C"PjPsPrC-C— P· C,PµC¶PëC,,P»CfPSPsPjC-PrPsPj PSP° PµC,,PµPeC,PëPIPSC-CfC,CH  
PiPµC¶PsC¶P°P»CHPSPëC... PePsPSC,C¶P°C†PµPiC,PëPIC-PI PSPµ PsC†C-PeCfC"C,CHCfC¶¶,  
PNëPsPiPs CfP»C-Pr PIC¶P°C...PsPICfPIP°C,Pë PiC¶Pë PIPëP±PsC¶C-  
PiPµC¶PsC¶P°P»CHPSPsPiPs PePsPSC,C¶P°C†PµPiC,PëPICf P°P±Ps PiC-PrP±PsC¶C- PNëPsPiPs  
PrPsP·Pë PiC¶Pë P·P°CfC,PsCfCfPIP°PSPSC- PI PePsPjP±C-PSP°C†C-C— P·  
C,PµC¶PëC,,P»CfPSPsPjC-PrPsPj.

P'PiP»PëPI C,PµC¶PëC,,P»CfPSPsPjC-PrCf PSP° CfCfP±CfC,C¶P°C, CYP1A2: PePsC,,PµC—PS.  
PµC-CfP»C¶ P±P°PiP°C,PsPeC¶P°C,PSPsPiPs PiC¶PëPNëPsPjCf C,PµC¶PëC,,P»CfPSPsPjC-PrCf  
CfPiPsCfC,PµC¶C-PiP°P»PsCfC¶¶ P·PSPëP¶PµPSPSC¶¶ CfPµC¶PµPrPSC-C... P·PSP°C†PµPSC¶¶  
C<sub>max</sub> C,P° AUC PePsC,,PµC—PSCf (CfCfP±CfC,C¶P°C,Cf CYP1A2) PSP° 18 % C,P° 55 %  
PIC-PrPiPsPIC-PrPSPs, C%Ps CfPIC-PrC†PëC,CH PiC¶Ps C,Pµ, C%Ps  
C,PµC¶PëC,,P»CfPSPsPjC-Pr PjPsP¶Pµ P±CfC,Pë CfP»P°P±PePëPj C-PSPPrCfPeC,PsC¶PsPj  
CYP1A2 in vivo. Pj P·PiB¶™ C¶P·PeCf P· C†PëPj P»C-PeP°C¶CfCHPeC- P·P°CfPsP±Pë,  
PjPµC,P°P±PsP»C-P·Pj C¶PePëC... PsPiPsCfPµC¶PµPrPePsPICfC"C,CHCfC¶¶  
C,,PµC¶PjPµPSC,PsPj CYP1A2 (C,P°PeC- C¶Pe PrCfP»PsPeCfPµC,PëPS, P°P»PsCfPµC,C¶PsPS,

C, P<sub>μ</sub>PsC,, C-P»C-PS C, P° C, PëP·P°PSC-PrPëPS), CÍP»C-Pr P·P°CÍC, PsCÍPsPICfPIP°C, Pë P·PsP±P<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>P¶PSC-CÍC, C<sub>7</sub> PiC-Pr C±P°CÍ P»C-PeCfPIP°PSPSCÍ

C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrPsPj, PsCÍPeC-P»C<sub>7</sub>PePë PIC-PS PjPsP¶P<sub>μ</sub> P·CfPjPsPIPëC, Pë P·PSPëP¶P<sub>μ</sub>PSPSCÍ P<sub>μ</sub>C,, P<sub>μ</sub>PeC, PëPIPSPsCÍC, C- C†PëC... PiC<sub>7</sub>P<sub>μ</sub>PiP°C<sub>7</sub>P°C, C-PI.

P'PiP»PëPI C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CáPSPsPjC-PrCá PSP° PIP°C<sub>7</sub>C,, P°C<sub>7</sub>PëPS. P<sub>μ</sub>C-CÍP»CÍ

P±P°PiP°C, PsPeC<sub>7</sub>P°C, PSPsPiPs PiC<sub>7</sub>PëPM<sub>6</sub>PsPjCf C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf PSP<sub>μ</sub> CÍPiPsCÍC, P<sub>μ</sub>C<sub>7</sub>C-PiP°P»PsCÍCÍ PIPiP»PëPICf PSP° C,, P°C<sub>7</sub>PjP°PePsPeC-PSP<sub>μ</sub>C, PëPeCf S-PIP°C<sub>7</sub>C,, P°C<sub>7</sub>PëPSCf, C%<sub>0</sub>Ps CÍPIC-PrC±PëC, C<sub>7</sub> PiC<sub>7</sub>Ps C, P<sub>μ</sub>, C%<sub>0</sub>Ps C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-Pr PSP<sub>μ</sub> C" P°PSC- C-PSPiC-P±C-C, PsC<sub>7</sub>PsPj, P°PSC-C-PSPrCfPeC, PsC<sub>7</sub>PsPj CYP2C9. P<sub>μ</sub>C<sub>7</sub>PsC, P<sub>μ</sub> PiC<sub>7</sub>Pë PsPrPSPsC±P°CÍPSPsPjCf P·P°CÍC, PsCÍCfPIP°PSPSC- C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf C- PIP°C<sub>7</sub>C,, P°C<sub>7</sub>PëPSCf PIC-PrP·PSP°C±P°P»PsCÍCÍ P·PSPëP¶P<sub>μ</sub>PSPSCÍ PjP°PeCÍPëPjP°P»C<sub>7</sub>PSsPiPs PjC-P¶PSP°C<sub>7</sub>PsPrPSPsPiPs PSPsC<sub>7</sub>PjP°P»C-P·PsPIP°PSPsPiPs PIC-PrPSPsC€P<sub>μ</sub>PSPSCÍ (P<sub>7</sub>P<sub>6</sub>K'P') PSP° 25 % PiPsC<sub>7</sub>C-PIPSCÍPSPs P· C, P°PePëPj PSP° C,, PsPSC- PjPsPSPsC, P<sub>μ</sub>C<sub>7</sub>P°PiC-C— PIP°C<sub>7</sub>C,, P°C<sub>7</sub>PëPSPsPj. Pj P·PiB<sub>7</sub><sup>TM</sup> CÍP·PeCf P· C†PëPj PiC<sub>7</sub>Pë PsPrPSPsC±P°CÍPSPsPjCf PiC<sub>7</sub>PëPM<sub>6</sub>PsPjC- PIP°C<sub>7</sub>C,, P°C<sub>7</sub>PëPSCf P· C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrPsPj C<sub>7</sub>P<sub>μ</sub>PePsPjP<sub>μ</sub>PSPrCfC" C, C<sub>7</sub>CÍCÍ C<sub>7</sub>P<sub>μ</sub>C, P<sub>μ</sub>P»C<sub>7</sub>PSëPM<sub>6</sub> PePsPSC, C<sub>7</sub>PsP»C<sub>7</sub> C- PjPsPSC-C, PsC<sub>7</sub>PëPSi P<sub>7</sub>P<sub>6</sub>K'P'.

P'PiP»PëPI C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CáPSPsPjC-PrCá PSP° CÍCáP±CÍC, C<sub>7</sub>P°C, Pë C, C<sub>7</sub>P°PSCÍPiPsC<sub>7</sub>C, P<sub>μ</sub>C<sub>7</sub>Cá PsC<sub>7</sub>PiP°PSC-C±PSPëC... P°PSC-PsPSC-PI 3 (OAT3). P<sub>μ</sub>C-CÍP»CÍ

P±P°PiP°C, PsPeC<sub>7</sub>P°C, PSPsPiPs PiC<sub>7</sub>PëPM<sub>6</sub>PsPjCf C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf CÍPiPsCÍC, P<sub>μ</sub>C<sub>7</sub>C-PiP°P»PsCÍCÍ P·P±C-P»C<sub>7</sub>C€P<sub>μ</sub>PSPSCÍ CÍP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC-C... C<sub>7</sub>C-PIPSC-PI C<sub>max</sub> C- AUC C†P<sub>μ</sub>C,, P°PeP»PsC<sub>7</sub>Cf (PI 1,43 C, P° 1,54 C<sub>7</sub>P°P·P° PIC-PrPiPsPIC-PrPSPs), C%<sub>0</sub>Ps CÍPIC-PrC±PëC, C<sub>7</sub> PiC<sub>7</sub>Ps C-PSPiC-P±CfC<sub>7</sub>C±PëPM<sub>6</sub> PIPiP»PëPI C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf PSP° OAT3 in vivo. Pj P·PiB<sub>7</sub><sup>TM</sup> CÍP·PeCf P· C†PëPj C<sub>7</sub>P<sub>μ</sub>PePsPjP<sub>μ</sub>PSPrPsPIP°PSPs PrPsC, C<sub>7</sub>PëPjCfPIP°C, PëCÍCÍ PsP±P<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>P¶PSPsCÍC, C-PiC<sub>7</sub>Pë PsPrPSPsC±P°CÍPSPsPjCf PiC<sub>7</sub>PëP·PSP°C±P<sub>μ</sub>PSPSC- C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf C, P° CÍCfP±CÍC, C<sub>7</sub>P°C, C-PI OAT3, C, P°PePëC... CÍPe C†P<sub>μ</sub>C,, P°PeP»PsC<sub>7</sub>, P±P<sub>μ</sub>PSP·PëP»PiP<sub>μ</sub>PSC-C†PëP»C-PS, C†PëPiC<sub>7</sub>PsC,, P»PsPeCÍP°C†PëPS, C-PSPrPsPjP<sub>μ</sub>C, P°C†PëPS, PeP<sub>μ</sub>C, PsPiC<sub>7</sub>PsC,, P<sub>μ</sub>PS, C,, C<sub>7</sub>C<sub>7</sub>PsCÍP<sub>μ</sub>PjC-Pr, C†PëPjP<sub>μ</sub>C, PëPrPëPS, PjP<sub>μ</sub>C, PsC, C<sub>7</sub>P<sub>μ</sub>PeCÍP°C,, P·PëPrPsPICfPrPëPS.

P'PiP»PëPI C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CáPSPsPjC-PrCá PSP° CÍCáP±CÍC, C<sub>7</sub>P°C, Pë BCRP C, P°/P°P±Ps PiPsP»C-PiP<sub>μ</sub>PiC, PëPrPSPëC... C, C<sub>7</sub>P°PSCÍPiPsC<sub>7</sub>C, P<sub>μ</sub>C<sub>7</sub>C-PI PsC<sub>7</sub>PiP°PSC-C±PSPëC... P°PSC-PsPSC-PI B1 C- B3 (OATP1B1/B3). P<sub>μ</sub>C-CÍP»CÍ

P±P°PiP°C, PsPeC<sub>7</sub>P°C, PSPsPiPs PiC<sub>7</sub>PëPM<sub>6</sub>PsPjCf C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrCf CÍPiPsCÍC, P<sub>μ</sub>C<sub>7</sub>C-PiP°P»PsCÍC<sub>7</sub> P·P±C-P»C<sub>7</sub>C€P<sub>μ</sub>PSPSCÍ CÍP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC-C... C<sub>7</sub>C-PIPSC-PI C<sub>max</sub> C- AUC C<sub>7</sub>PsP·CfPIP°CÍC, P°C, PëPSCf (PI 2,65 C, P° 2,51 C<sub>7</sub>P°P·P° PIC-PrPiPsPIC-PrPSPs). P<sub>μ</sub>C<sub>7</sub>PsC, P<sub>μ</sub> PSP<sub>μ</sub> P±CfP»Ps PIC-PrP·PSP°C±P<sub>μ</sub>PSPs P±CfPrC<sub>7</sub>C- CÍPePsPiPs PiPsPjC-C, PSPsPiPs PIPiP»PëPICf C†C<sub>7</sub>PsPiPs P·P±C-P»C<sub>7</sub>C€P<sub>μ</sub>PSPSCÍ P<sub>μ</sub>PeCÍPiPsP·PëC†C-C— C<sub>7</sub>PsP·CfPIP°CÍC, P°C, PëPSCf CÍ PiP»P°P·PjC- PeC<sub>7</sub>PsPIC- PSP° P°PeC, PëPIPSC-CÍC, C<sub>7</sub> P" P<sub>7</sub>P" - P<sub>7</sub>PsA (PiC-PrC<sub>7</sub>PsPeCÍPëPjP<sub>μ</sub>C, PëP»PiP»CfC, P°C<sub>7</sub>PëP»-PePsP<sub>μ</sub>PSP·PëPj P<sub>7</sub>) C<sub>7</sub>P<sub>μ</sub>PrCfPeC, P°P·Pë. P<sub>μ</sub>C<sub>7</sub>Pë PsPrPSPsC±P°CÍPSPsPjCf PiC<sub>7</sub>PëP·PSP°C±P<sub>μ</sub>PSPSC- P· C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrPsPj C<sub>7</sub>P<sub>μ</sub>PePsPjP<sub>μ</sub>PSPrCfC" C, C<sub>7</sub>CÍCÍ P·PSPëP¶P<sub>μ</sub>PSPSCÍ PrPsP·Pë C<sub>7</sub>PsP·CfPIP°CÍC, P°C, PëPSCf PSP° 50 %. P<sub>7</sub>PrPSPsC±P°CÍPSP<sub>μ</sub> P·P°CÍC, PsCÍCfPIP°PSPSCÍ C-P· C, P<sub>μ</sub>C<sub>7</sub>PëC,, P»CfPSPsPjC-PrPsPj C-PSC€PëC... CÍCfP±CÍC, C<sub>7</sub>P°C, C-PI BCRP (PSP°PiC<sub>7</sub>PëPeP»P°Pr PjP<sub>μ</sub>C, PsC, C<sub>7</sub>P<sub>μ</sub>PeCÍP°C, Cf, C, PsPiPsC, P<sub>μ</sub>PeP°PSCf, CÍCfP»C<sub>7</sub>C,, P°CÍP°P»P°P·PëPSCf, PrP°CfPSPsC<sub>7</sub>CfP±C-C†PëPSCf, PrPsPeCÍPsC<sub>7</sub>CfP±C-C†PëPSCf) C, P° C, C<sub>7</sub>P°PSCÍPiPsC<sub>7</sub>C, P<sub>μ</sub>C<sub>7</sub>C-PI OATP, PsCÍPsP±P»PëPIP

C-PSiC-P±C-C,PsCḡC-PI P“PḡP“-PḡPsA CḡPμPrCíPeC,P°P·Pë (PSP°PíCḡPëPeP»P°Pr CíPëPjPIP°CíC,P°C,PëPSCr, P°C,PsCḡPIP°CíC,P°C,PëPSCr, PíCḡP°PIP°CíC,P°C,PëPSCr, PjPμC,PsC,CḡPμPeCíP°C,Cr, PSP°C,PμPiP»C-PSC-PrCí, CḡPμPíP°PiP»C-PSC-PrCí, CḡPëC„P°PjPíC-C†PëPSCr), PIPëPjP°PiP°C” PsP±PμCḡPμP¶PSPSCíC,C-. P—P° PíP°C†C-C”PSC,P°PjPë CíP»C-Pr CḡPμC,PμP»CḡPSPs CíPíPSCíC,PμCḡC-PiP°C,Pë C%PsPrPs PíPSCḡPIPë CíPëPjPíC,PsPjC-PI PSP°PrPjC-CḡPSPëC... PePsPSC†PμPSC,CḡP°C†C-PNë C†PëC... P»C-PeP°CḡCíCḡPePëC... P·P°CíPSP±C-PI PI PeCḡPsPIC- C,P° P·PIP°P¶CíPIP°C,Pë PrPsC†C-P»CḡPSC-CíC,Cḡ P·PSPëP¶PμPSPSCḡ C—C... PrPsP·Pë.

***PhCíPSP±P»PëPIPsCíC,C- P·P°CíC,PsCíCáPIP°PSPSCḡ.***

PjPμPNë P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P± PjC-CíC,PëC,Cḡ PSP°C,CḡC-Cḡ PeCḡPsC...PjP°P»CḡPiP»C-PePsP»CḡC, (C,PëPí Ph). PŸP»C-Pr P±CíC,Pë PsP±PμCḡPμP¶PSPëPj PíCḡPë P·P°CíC,PsCíCíPIP°PSPSC- PíP°C†C-C”PSC,P°Pj, CḡPeC- P·P°CíC,PsCíPSPICíCḡC,Cḡ PSP°C,CḡC-PNë-PePsPSC,CḡPsP»CḡPsPIP°PSCr PrC-C”C,Cr.

*PḡPsPSC-C,PsCḡPëPSPi*

*P”Ps P»C-PeCáPIP°PSPSCḡ.*

P”Ps PíPSC†P°C,PeCí P»C-PeCíPIP°PSPSCḡ C,PμCḡPëC„P»CíPSPsPjC-PrPsPj PSPμPsP±C...C-PrPSPs PsC†C-PSPëC,Pë C,P°PeC- PíPSPeP°P·PSPëPePë:

B· P°CḡC,PμCḡC-P°P»CḡPSPëPNë C,PëCíPe;

B· CḡC-PIPμPSCḡ P°P»P°PSC-PSP°PjC-PSPsC,CḡP°PSCíC„PμCḡP°P·Pë/ CíPëCḡPsPIP°C,PePsPIPSC— PiP»CíC,P°PjP°C,-PíC-CḡCíPIP°C,-C,CḡP°PSCíP°PjC-PSP°P·Pë (PḡP»PŸ/PŸP“PμPŸ);

B· CḡPsP·PiPsCḡPSCrC,PëPNë P·P°PiP°P»CḡPSPëPNë P°PSP°P»C-P· PeCḡPsPIC-, Cr C,.C‡. P»PμPNëPePsC†PëC,P°CḡPSP° C„PsCḡPjCíP»P° C,P° PIPëP·PSP°C†PμPSPSCḡ PIPjC-CíC,Cr C,CḡPsPjP±PsC†PëC,C-PI.

*PμC-Pr C†P°Cí P»C-PeCáPIP°PSPSCḡ.* PμC-Pr C†P°Cí P»C-PeCíPIP°PSPSCḡ C,PμCḡPëC„P»CíPSPsPjC-PrPsPj PSPμPsP±C...C-PrPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë C,P°PeC- PíPSPeP°P·PSPëPePë:

B· B P°CḡC,PμCḡC-P°P»CḡPSPëPNë C,PëCíPe (PíPμCḡC-PsPrPëC†PSPs PíPμCḡPμPIC-CḡCḡC,Pë);

B· CḡC-PIPμPSCḡ P°P»P°PSC-PSP°PjC-PSPsC,CḡP°PSCíC„PμCḡP°P·Pë/ CíPëCḡPsPIP°C,PePsPIPSC— PiP»CíC,P°PjP°C,-PíC-CḡCíPIP°C,-C,CḡP°PSCíP°PjC-PSP°P·Pë (PḡP»PŸ/PŸP“PμPŸ). PμPμC†C-PSPePsPIC- C„PμCḡPjPμPSC,Pë CíP»C-Pr PsC†C-PSCḡPIP°C,Pë C%PsPSP°PNëPjPμPSC€Pμ PePsP¶PSC- C†PsC,PëCḡPë C,PëP¶PSC- PíCḡPsC,CḡPiPsPj PíPμCḡC€PëC... 6 PjC-CíCḡC†C-PI P»C-PeCíPIP°PSPSCḡ C,P° CḡPμPiCíP»CḡCḡPSPs PíC-CíP»Cḡ C†CḡPsPiPs PíPμCḡC-PsPrCí. P”PsC†C-P»CḡPSPs CḡPsP·PiP»CḡPSCrC,Pë PjPsP¶P»PëPIC-CíC,Cḡ PrPsPrP°C,PePsPIPSPiPs PjPsPSC-C,PsCḡPëPSPiCí, Cr PIPëPíP°PrPeP°C... PePsP»Pë PíCḡPμPíP°CḡP°C, PḡP±P°PrP¶C-Ps° PíCḡPëP·PSP°C†P°C”C,CḡCíCḡ PíP°C†C-C”PSC,P°Pj P· CíP¶Pμ C-CíPSCrCḡC†PëPjPë P·P°C...PIPSCḡPíP°PSPSCḡPjPë PíPμC†C-PSPePë, Cr

PePsPjP±C-PSP°C†C-C— P· C-PSC€PëPjPë PiPsC,PµPSC†C-PNëPSPs  
PiPµPiP°C,PsC,PsPeC†PëC±PSPëPjPë PiC†PµPiP°C†P°C,P°PjPë P°P±Ps PiC†Pë  
PIPëPSPëPePSPµPSPSC- PeP»C-PSC-C±PSPëC... C†PëPjPiC,PsPjC-PI, C,P°PePëC... C†Pe  
PSPµP·B† C†C†PsPIP°PSP° PSC†PrPsC,P°, P±P»C†PIP°PSPSC†, P±C-P»C† C† P†PëPIPsC,C-,  
PIC,PsPjP°, P°PSPsC†PµPeC†C-C† P°P±Ps P†PsPIC,C†PSPëC†C† C,P°/P°P±Ps C,PµPjPSP°  
C†PµC±P°. PµPµC±C-PSPePsPIC- C,,PµC†PjPµPSC,Pë C†P»C-Pr PsC†C-PSC†PIP°C,Pë PePsP†PSC-  
PrPIP° C,PëP†PSC- PiC†PsC,C†PiPsPj PiPµC†PëC... 6 PjC-C†C†C†C-PI P»C-PeC†PIP°PSPSC†  
C,P° C°PsPSP°PNëPjPµPSC€Pµ PePsP†PSC- 8 C,PëP†PSC-PI PiC†PsC,C†PiPsPj  
C°PsPSP°PNëPjPµPSC€Pµ 2 C†PsPeC-PI PIC-Pr PiPsC±P°C,PeC† P»C-PeC†PIP°PSPSC†. PµC†Pë  
PiC-PrPIPëC°PµPSPSC- C†C-PIPSC† P†P»Pÿ (PÿP°PµPÿ) C† 2-3 C†P°P·Pë PIPëC°Pµ  
PIPµC†C...PSC†PsC— PjPµP†C- PSPsC†PjPë C†P»C-Pr PiC†PsPIPPrPëC,Pë  
PjPsPSC-C,PsC†PëPSPi C°PsC,PëP†PSC†;

B· B B C† C...PsPrC- P»C-PeC†PIP°PSPSC† PSPµPsP±C...C-PrPSPs PIPëPePsPSC†PIP°C,Pë  
C†PsP·PiPsC†PSC†C,PëPNë P·P°PiP°P»C†PSPëPNë P°PSP°P»C-P· PeC†PsPIC- P· PsPiP»C†PrC†  
PSP° B B PIPëPSPëPePSPµPSPSC†B C†PëPjPiC,PsPjC-PI (PSP°PiC†PëPeP»P°Pr, PiC†Pë  
C-PSC,,PµPeC†C-C†C...).

PµC†PsC†PµPrC†C†P° PiC†PëC†PePsC†PµPSPsPiPs PIPëPIPµPrPµPSPSC†.

PÿPµC†PëC,,P»C†PSPsPjC-Pr PiPsPIC-P»C†PSPs PIPëPIPsPrPëC,C†C†C† P·  
PiP»P°P·PjPë PeC†PsPIC-. P°PµP· P·P°C†C,PsC†C†PIP°PSPSC† PiC†PsC†PµPrC†C†Pë  
PiC†PëC†PePsC†PµPSPsPiPs PIPëPIPµPrPµPSPSC† PSPµPsP±C...C-PrPSPs PI  
C†PµC†PµPrPSC†PsPjC† 8 PjC-C†C†C†C-PI PrP»C† PrPsC†C†PiPSPµPSPSC†  
PiP»P°P·PjPsPIPëC... PePsPSC†PµPSC,C†P°C†C-PNë PSPëP†C±Pµ 0,02 PjPi/P», C...PsC±P°  
C±PµC†PµP· C-PSPPrPëPIC-PrC†P°P»C†PSC† PIP°C†C-P°P±PµP»C†PSC-C†C,C†  
PeP»C-C†PµPSC†C† PrC-C†C±PsC— C†PµC±PsPIPëPSPë C†PµPNë PiC†PsC†PµC† PjPsP†Pµ  
C,C†PëPIP°C,Pë PrPs 2 C†PsPeC-PI. PµC†PsC†PµPrC†C† PiC†PëC†PePsC†PµPSPsPiPs  
PIPëPIPµPrPµPSPSC† PjPsP†PSP° P·P°C†C,PsC†PsPIC†PIP°C,Pë C† P±C†PrC†C-C†PePëPNë  
C±P°C† PiC-C†P»C† PiC†PëPiPëPSPµPSPSC† PiC†PëPNëPsPjC† C,PµC†PëC,,P»C†PSPsPjC-PrC†  
(PrPëPI. PrPµC,P°P»C†PSPëPNë PsPiPëC† PiC†PsC†PµPrC†C†Pë C† C†PsP·PrC-P»P°C...  
B«P°P°C†PjP°PePsPeC-PSPµC,PëPeP°B» C- B«P—P°C†C,PsC†C†PIP°PSPSC† C† PiPµC†C-PsPr  
PIP°PiC-C,PSPsC†C,C- P°P±Ps PiPsPrC†PIP°PSPSC† PiC†C†PrPrC†B»).

P°PiP»PëPI PSP° PiPµC±C-PSPeC†. Pj PiP°C†C-C°PSC,C-PI, C†PeC- PiC†PëPNëPjP°P»Pë  
C,PµC†PëC,,P»C†PSPsPjC-Pr, C†PiPsC†C,PµC†C-PiP°P»PsC†C† PiC-PrPIPëC°PµPSPSC†  
C†C-PIPSC-PI PiPµC±C-PSPePsPIPëC... C,,PµC†PjPµPSC,C-PI (PrPëPI. C†PsP·PrC-P»  
B«PµPsP±C-C±PSC- C†PµP°PeC†C-C-B»). PÿP°PePµ PiC-PrPIPëC°PµPSPSC† PIPëPSPëPeP°C°  
PiPµC†PµPIP°P†PSPs PiC†PsC,C†PiPsPj PiPµC†PëC... 6 PjC-C†C†C†C-PI  
P»C-PeC†PIP°PSPSC†.

PµC-Pr C±P°C† P»C-PeC†PIP°PSPSC† C,PµC†PëC,,P»C†PSPsPjC-PrPsPj  
C†PiPsC†C,PµC†C-PiP°P»PëC†C† PIPëPiP°PrPePë PjPµPrPëPeP°PjPµPSC,PsP·PSPsPiPs  
C†C†P°P†PµPSPSC† PiPµC±C-PSPePë (P†PjPµ), C†PeC- C-PSPsPrC- C†C,P°PSPsPIPëP»Pë  
P·P°PiC†PsP·C† PrP»C† P†PëC,C,C†. Pj P±C-P»C†C€PsC†C,C- PIPëPiP°PrPeC-PI P†PjPµ  
C†PsP·PIPëPIP°P»PsC†C† PiC†PsC,C†PiPsPj PrPµPeC-P»C†PePsC... C,PëP†PSC-PI P°P±Ps  
PjC-C†C†C†C-PI P· PjPsPjPµPSC,C† PiPsC±P°C,PeC† P»C-PeC†PIP°PSPSC†, P°P»Pµ P†PjPµ  
C,P°PePsP† PjPsP†Pµ PIPëPSPëPeP°C,Pë PiC†Pë C,C†PëPIP°P»PsPjC†  
P·P°C†C,PsC†C†PIP°PSPSC- C,PµC†PëC,,P»C†PSPsPjC-PrC†.

P PëP·PëPe PiC-PrPIPëC°PµPSPSC† C†C-PIPSC† PiPµC±C-PSPePsPIPëC... C,,PµC†PjPµPSC,C-PI

C, P° P<sub>h</sub>PJ<sub>Π</sub> P<sub>i</sub>C<sub>h</sub>P<sub>e</sub> P»C-PeC<sub>r</sub>PIP°PSPSC- C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj PjPsP<sub>Π</sub> P<sub>μ</sub> P±C<sub>r</sub>C, P<sub>e</sub> PIP<sub>e</sub>C%<sub>o</sub>P<sub>e</sub>Pj C<sub>r</sub> P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, C-PI C-P. C<sub>r</sub>P<sub>Π</sub> P<sub>μ</sub> C-C<sub>r</sub>PSC<sub>r</sub>C<sub>h</sub>C<sub>†</sub>P<sub>e</sub>PjP<sub>e</sub> C<sub>r</sub>C<sub>h</sub>P°P<sub>Π</sub>PSPSC<sub>†</sub>PjP<sub>e</sub> P<sub>i</sub>P<sub>μ</sub>C<sub>†</sub>C-PSPeP<sub>e</sub>, P<sub>i</sub>C<sub>h</sub>P<sub>e</sub> C<sub>r</sub>C<sub>r</sub>P<sub>i</sub>C<sub>r</sub>C, PSC<sub>h</sub>PsPjC<sub>r</sub> P»C-PeC<sub>r</sub>PIP°PSPSC- C-PSC<sub>€</sub>P<sub>e</sub>PjP<sub>e</sub> P<sub>i</sub>P<sub>μ</sub>P<sub>i</sub>P°C, PsC, PsPeC<sub>r</sub>P<sub>e</sub>C<sub>†</sub>PSP<sub>e</sub>PjP<sub>e</sub> P<sub>i</sub>C<sub>h</sub>P<sub>μ</sub>P<sub>i</sub>P°C<sub>h</sub>P°C, P°PjP<sub>e</sub> C, P°/P°P±Ps P·P»PsPIP<sub>Π</sub>P<sub>e</sub>PIP°PSPSC- P°P»PePsPiPsP»P<sub>μ</sub>Pj. P<sub>ŷ</sub>PsPjC<sub>r</sub> P·P° C<sub>r</sub>C, P°PSPsPj P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, C-PI C<sub>r</sub>P»C-Pr C<sub>h</sub>P<sub>μ</sub>C, P<sub>μ</sub>P»C<sub>h</sub>PSPs C<sub>r</sub>P<sub>i</sub>PsC<sub>r</sub>C, P<sub>μ</sub>C<sub>h</sub>C-PiP°C, P<sub>e</sub> C%<sub>o</sub>PsPrPs P<sub>i</sub>PsC<sub>†</sub>PIP<sub>e</sub> PsP·PSP°Pe C, P° C<sub>r</sub>P<sub>e</sub>PjP<sub>i</sub>C, PsPjC-PI C<sub>r</sub>C<sub>h</sub>P°P<sub>Π</sub>PSPSC<sub>†</sub> P<sub>i</sub>P<sub>μ</sub>C<sub>†</sub>C-PSPeP<sub>e</sub>.

P<sub>i</sub>PeC%<sub>o</sub>Ps PIP<sub>e</sub>PSP<sub>e</sub>PeP°C" P<sub>i</sub>C-PrPsP·C<sub>h</sub>P° PSP° C<sub>r</sub>C<sub>h</sub>P°P<sub>Π</sub>PSPSC<sub>†</sub> P<sub>i</sub>P<sub>μ</sub>C<sub>†</sub>C-PSPeP<sub>e</sub>, P»C-PeC<sub>r</sub>PIP°PSPSC<sub>†</sub> C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj PSP<sub>μ</sub>PsP±C...C-PrPSPs P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PSP<sub>e</sub>C, P<sub>e</sub> C, P° P<sub>i</sub>PsC<sub>†</sub>P°C, P<sub>e</sub> P<sub>i</sub>C<sub>h</sub>PsC<sub>†</sub>P<sub>μ</sub>PrC<sub>r</sub>C<sub>h</sub>C<sub>r</sub> P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>C<sub>r</sub>PePsC<sub>h</sub>P<sub>μ</sub>PSPsPiPs PIP<sub>e</sub>PIP<sub>μ</sub>PrP<sub>μ</sub>PSPSC<sub>†</sub> P<sub>i</sub>C<sub>h</sub>P<sub>μ</sub>P<sub>i</sub>P°C<sub>h</sub>P°C, C<sub>r</sub>. P<sub>h</sub>PsP<sub>Π</sub>P»P<sub>e</sub>PIC-C<sub>r</sub>C, C<sub>h</sub> PIC-PrPjC-PSP<sub>e</sub> C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub>P»C-Pr C<sub>h</sub>PsP·PiP»C<sub>†</sub>PSC<sub>r</sub>C, P<sub>e</sub>, C<sub>†</sub>PeC%<sub>o</sub>Ps P<sub>i</sub>C-PrC, PIP<sub>μ</sub>C<sub>h</sub>PrP<sub>Π</sub>PSPs P<sub>i</sub>C-PrPIP<sub>e</sub>C%<sub>o</sub>P<sub>μ</sub>PSPSC<sub>†</sub> C<sub>h</sub>C-PIPSC-PI P<sub>i</sub>P<sub>μ</sub>C<sub>†</sub>C-PSPePsPIP<sub>e</sub>C... C,, P<sub>μ</sub>C<sub>h</sub>PjP<sub>μ</sub>PSC, C-PI P±C-P»C<sub>h</sub>C<sub>€</sub> PSC-P<sub>Π</sub> C<sub>r</sub> 3B C<sub>h</sub>P°P·P<sub>e</sub> P<sub>i</sub>PsC<sub>h</sub>C-PIPSC<sub>†</sub>PSPs P· P'P<sub>h</sub>P<sub>k</sub>.

Pj C<sub>h</sub>P°P·C- P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PS<sub>μ</sub>PSPSC<sub>†</sub> P»C-PeC<sub>r</sub>PIP°PSPSC<sub>†</sub> P<sub>i</sub>P<sub>μ</sub>C<sub>†</sub>C-PSPePsPIC- P<sub>i</sub>C<sub>h</sub>PsP±P<sub>e</sub> C<sub>r</sub>P»C-Pr P<sub>i</sub>C<sub>h</sub>PsPIP<sub>s</sub>PrP<sub>e</sub>C, P<sub>e</sub> PrPs PSPsC<sub>h</sub>PjP°P»C-P·P°C<sub>†</sub>C-C— C<sub>h</sub>C-PIPSC<sub>†</sub> C, C<sub>h</sub>P°PSC<sub>r</sub>P°PjC-PSP°P·.

P“C-P<sub>i</sub>PsP<sub>i</sub>C<sub>h</sub>PsC, P<sub>μ</sub>C—PSP<sub>μ</sub>PjC-C<sub>†</sub>

PhC<sub>r</sub>PeC-P»C<sub>h</sub>PeP<sub>e</sub> C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-Pr PjP°C" PIP<sub>e</sub>C<sub>r</sub>PsPeC<sub>r</sub> C<sub>r</sub>C, C<sub>r</sub>P<sub>i</sub>C-PSCH P·PIB<sub>h</sub><sup>™</sup> C<sub>†</sub>P·C<sub>r</sub>PIP°PSPSC<sub>†</sub> P· P±C-P»PeP°PjP<sub>e</sub> C- PsC<sub>r</sub>PeC-P»C<sub>h</sub>PeP<sub>e</sub> P·PIB<sub>h</sub><sup>™</sup> C<sub>†</sub>P·C<sub>r</sub>PIP°PSPSC<sub>†</sub> P·P°P»P<sub>μ</sub>P<sub>Π</sub>P<sub>e</sub>C, C<sub>h</sub> PIC-Pr PePsPSC<sub>†</sub>P<sub>μ</sub>PSC, C<sub>h</sub>P°C<sub>†</sub>C-C— P°P»C<sub>h</sub>P±C<sub>r</sub>PjC-PSC<sub>r</sub>, PsC<sub>†</sub>C-PeC<sub>r</sub>C" C, C<sub>h</sub>C<sub>r</sub>C<sub>†</sub> P<sub>i</sub>C-PrPIP<sub>e</sub>C%<sub>o</sub>P<sub>μ</sub>PSPSC<sub>†</sub> PePsPSC<sub>†</sub>P<sub>μ</sub>PSC, C<sub>h</sub>P°C<sub>†</sub>C-PN<sub>e</sub> PSP<sub>μ</sub>P·PIB<sub>h</sub><sup>™</sup> C<sub>†</sub>P·P°PSPsPiPs C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub> P<sub>i</sub>P»P°P·PjC- C<sub>r</sub> P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, C-PI P· P<sub>i</sub>C-P<sub>i</sub>PsP<sub>i</sub>C<sub>h</sub>PsC, P<sub>μ</sub>C—PSP<sub>μ</sub>PjC-C" C<sub>h</sub>, PSP°P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>PeP»P°Pr, P<sub>i</sub>C<sub>h</sub>P<sub>e</sub> PSP<sub>μ</sub>C,, C<sub>h</sub>PsC, P<sub>e</sub>C<sub>†</sub>PSPsPjC<sub>r</sub> C<sub>r</sub>P<sub>e</sub>PSPrC<sub>h</sub>PsPjC-. P<sub>ŷ</sub>P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-Pr PSP<sub>μ</sub> C<sub>r</sub>P»C-Pr P·P°C<sub>r</sub>C, PsC<sub>r</sub>PsPIC<sub>r</sub>PIP°C, P<sub>e</sub> P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, P°Pj P<sub>i</sub>C<sub>h</sub>P<sub>e</sub> C, C<sub>†</sub>P<sub>Π</sub>PeC-PN<sub>e</sub> P<sub>i</sub>C-P<sub>i</sub>PsP<sub>i</sub>C<sub>h</sub>PsC, P<sub>μ</sub>C—PSP<sub>μ</sub>PjC-C—.

P'P<sub>i</sub>P»P<sub>e</sub>PI PSP° P°C<sub>h</sub>C, P<sub>μ</sub>C<sub>h</sub>C-P°P»C<sub>h</sub>PS<sub>e</sub>PN<sub>e</sub> C, P<sub>e</sub>C<sub>r</sub>Pe. P<sub>k</sub>P° C, P»C- P»C-PeC<sub>r</sub>PIP°PSPSC<sub>†</sub> C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj PjPsP<sub>Π</sub>P»P<sub>e</sub>PIP<sub>μ</sub> P<sub>i</sub>C-PrPIP<sub>e</sub>C%<sub>o</sub>P<sub>μ</sub>PSPSC<sub>†</sub> P°C<sub>h</sub>C, P<sub>μ</sub>C<sub>h</sub>C-P°P»C<sub>h</sub>PS<sub>e</sub>PsPiPs C, P<sub>e</sub>C<sub>r</sub>PeC<sub>r</sub> (PrP<sub>e</sub>PI. C<sub>h</sub>PsP·PrC-P» B«P<sub>μ</sub>PsP±C-C<sub>†</sub>PSC-C<sub>h</sub>P<sub>μ</sub>P°PeC<sub>†</sub>C-C—B»). P<sub>k</sub>P<sub>μ</sub>PsP±C...C-PrPSPs P<sub>i</sub>P<sub>μ</sub>C<sub>h</sub>P<sub>μ</sub>PIC-C<sub>h</sub>C<sub>†</sub>C, P<sub>e</sub> C<sub>h</sub>C-PIP<sub>μ</sub>PSC<sub>h</sub> P°C<sub>h</sub>C, P<sub>μ</sub>C<sub>h</sub>C-P°P»C<sub>h</sub>PS<sub>e</sub>PsPiPs C, P<sub>e</sub>C<sub>r</sub>PeC<sub>r</sub> P<sub>i</sub>P<sub>μ</sub>C<sub>h</sub>P<sub>μ</sub>Pr P<sub>i</sub>PsC<sub>†</sub>P°C, PePsPj C, P<sub>μ</sub>C<sub>h</sub>P°P<sub>i</sub>C-C— C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj C, P° P<sub>i</sub>P<sub>μ</sub>C<sub>h</sub>C-PsPrP<sub>e</sub>C<sub>†</sub>PSPs PSP°PrP°P»C-. P<sub>μ</sub>C-PrPIP<sub>e</sub>C%<sub>o</sub>P<sub>μ</sub>PSPSC<sub>†</sub> P°C<sub>h</sub>C, P<sub>μ</sub>C<sub>h</sub>C-P°P»C<sub>h</sub>PS<sub>e</sub>PsPiPs C, P<sub>e</sub>C<sub>r</sub>PeC<sub>r</sub> PIP<sub>e</sub>PjP°P<sub>i</sub>P°C" PIC-PrP<sub>i</sub>PsPIC-PrPSPsPiPs P»C-PeC<sub>r</sub>PIP°PSPSC<sub>†</sub> PrPs C, P° P<sub>i</sub>C-Pr C<sub>†</sub>P°C<sub>r</sub> C, P<sub>μ</sub>C<sub>h</sub>P°P<sub>i</sub>C-C— C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj.

P<sub>†</sub>PSC,, P<sub>μ</sub>PeC<sub>†</sub>C-C—. Pj P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, C-PI P· C, C<sub>†</sub>P<sub>Π</sub>PeP<sub>e</sub>PjP<sub>e</sub> P°PeC, P<sub>e</sub>PIPSP<sub>e</sub>PjP<sub>e</sub> C-PSC,, P<sub>μ</sub>PeC<sub>†</sub>C-C<sub>†</sub>PjP<sub>e</sub> C<sub>r</sub>P»C-Pr PIC-PrPeP»P°C<sub>r</sub>C, P<sub>e</sub> P<sub>i</sub>PsC<sub>†</sub>P°C, PsPe C, P<sub>μ</sub>C<sub>h</sub>P°P<sub>i</sub>C-C— C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj PrPs PsPrC<sub>r</sub>P<sub>Π</sub>P°PSPSC<sub>†</sub>.

Pj P<sub>i</sub>P»P°C<sub>†</sub>P<sub>μ</sub>P±Ps-PePsPSC, C<sub>h</sub>PsP»C<sub>h</sub>PsPIP°PSP<sub>e</sub>C... PrPsC<sub>r</sub>P»C-PrP<sub>Π</sub>P<sub>μ</sub>PSPSC<sub>†</sub>C... PSP<sub>μ</sub> C<sub>r</sub>P<sub>i</sub>PsC<sub>r</sub>C, P<sub>μ</sub>C<sub>h</sub>C-PiP°P»PsC<sub>r</sub>C<sub>†</sub> P<sub>i</sub>C-PrPIP<sub>e</sub>C%<sub>o</sub>P<sub>μ</sub>PSPSC<sub>†</sub> C<sub>†</sub>P°C<sub>r</sub>C, PsC, P<sub>e</sub> C<sub>r</sub>P<sub>μ</sub>C<sub>h</sub>PN<sub>e</sub>PsP·PSP<sub>e</sub>C... C-PSC,, P<sub>μ</sub>PeC<sub>†</sub>C-PN<sub>e</sub> PSP° C, P»C- P»C-PeC<sub>r</sub>PIP°PSPSC<sub>†</sub> C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrPsPj (PrP<sub>e</sub>PI. C<sub>h</sub>PsP·PrC-P» B«P<sub>μ</sub>PsP±C-C<sub>†</sub>PSC-C<sub>h</sub>P<sub>μ</sub>P°PeC<sub>†</sub>C-C—B»). PhPrPSP°Pe, PIC<sub>h</sub>P°C...PsPIC<sub>r</sub>C<sub>h</sub>C<sub>†</sub>P<sub>e</sub> C-PjC<sub>r</sub>PSPsPjPsPrC<sub>r</sub>P»C<sub>h</sub>C<sub>h</sub>C<sub>†</sub>P<sub>e</sub>PN<sub>e</sub> P<sub>μ</sub>C,, P<sub>μ</sub>PeC, C, P<sub>μ</sub>C<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub>, P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>

СҗPsP·PIPëC,PeCf Cr PIP°C†C-C"psc,P° CГPµCҗPNëPsP·PSPSc— C-PSC,,PµPeC†C-C— CГP»C-Pr P·PIP°P¶PëC,Pe PrPsC†C-P»CHPSC-CГC,CH PïCҗPëP·CfPïPëPSPµPSPSC¶ P»C-PeCfPIP°PSPSC¶ PïCҗPµPïP°CҗP°c,PsPj PhP±P°PrP¶C-Ps<sup>B</sup> B C- PïPsPIC,PsCҗPSPs PsC†C-PSPëC,Pe PNëPsPiPs PePsCҗPëCГC,CH C,P° CҗPëP·PëPePë, PïPµCҗC€ PSC-P¶ PïPsPSPsPIPëC,Pe C,PµCҗP°PïC-Cҗ. P— PsPiP»C¶PrCf PSP° C,CҗPëPIP°P»PëPNë PïPµCҗC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSC¶ PïCҗPµPïP°CҗP°c,Cf, PjPsP¶PSP° CҗPsP·PiP»C¶PSCfC,Pe PjPsP¶P»PëPIC-CГC,CH PïCҗPëCГCfPePsCҗPµPSPsPiPs PIPëPIPµPrPµPSPSC¶ P·P° PrPsPiPsPjPsPiPsCҗ C...PsP»PµCГC,PeCҗP°PjC-PSCf C±Pë P°PeC,PePIPsPIP°PSPsPiPs PICfPiC-P»P»C¶.

PµP°C†C-C"psc,C-PI, C¶PeC- PïCҗPëPNëPjP°CҗC,CH PhP±P°PrP¶C-Ps<sup>B</sup>, CГP»C-Pr PïCҗPsC-PSC,,PsCҗPjCfPIP°c,Pe PïCҗPs PSPµPsP±C...C-PrPSC-CГC,CH PïPsPIC-PrPsPjP»C¶C,Pe P»C-PeP°CҗCҗ PïCҗPs CГPëPjPïC,PsPjPë C-PSC,,PµPeC†C-C—. PµP°C†C-C"psc,P°Pj P· P°PeC,PePIPsPëPjPë P°P±Ps C...CҗPsPSC-C±PSPëPjPë C-PSC,,PµPeC†C-C¶PjPë PSPµ CГP»C-Pr CҗPsP·PiPsC±PëPSP°c,Pe P»C-PeCfPIP°PSPSC¶ PïCҗPµPïP°CҗP°c,PsPj PhP±P°PrP¶C-Ps<sup>B</sup> PrPs CfCГCfPSPµPSPSC¶ C-PSC,,PµPeC†C-C—(C-PNë).

P'PµP·PïPµC±PSC-CГC,CH P·P°CГC,PsCГCfPIP°PSPSC¶ C,PµCҗPëC,,P»CfPSPsPjC-PrCf PïP°C†C-C"psc,P°Pj P· P»°c,PµPSC,PSPëPj C,CfP±PµCҗPëCfP»CHPsP·PsPj PSP°CҗP°P·C- PSPµPIC-PrPsPjP°, PsCГCfPeC-P»CHPePë Cf PeP»C-PSC-C±PSPëC... PrPsCГP»C-PrP¶PµPSPSC¶C... P· PIPëPIC±PµPSPSC¶ PïCҗPµPïP°CҗP°c,Cf PSPµ PIPëPePsPSCfPIP°P»PsCГC¶ CГPëCГC,PµPjP°c,PeC±PSPsPiPs CГCfCҗPëPSC-PSPiCf PSP° C,CfP±PµCҗPëCfP»CHPsP·. PµP°C†C-C"psc,P°Pj, Cf C¶PePëC... P±CfP»Ps PsC,CҗPëPjP°PSPs PïPsP·PëC,PePIPsC- CҗPµP·CfP»CHC,P°c,Pe CГCfCҗPëPSC-PSPiCf PSP° C,CfP±PµCҗPëCfP»CHPsP·, PïPsPeP°P·P°PSPs P»C-PeCfPIP°PSPSC¶ P·PiC-PrPSPs P·C- CГC,P°PSPrP°CҗC,PSPsCҗ PjPµPrPëC±PSPsCҗ PïCҗP°PeC,PePePsCҗ, PïPµCҗC€ PSC-P¶ PïPsC±PëPSP°c,Pe C,PµCҗP°PïC-Cҗ.

P PµCГPïC-CҗP°c,PsCҗPSC- CҗPµP°PeC†C-C—.

Pj PïC-CГP»C¶CҗPµC"ГC,CҗP°C†C-PNëPSPëPNë PïPµCҗC-PsPr PSP°PrC...PsPrPëP»Pë PïPsPIC-PrPsPjP»PµPSPSC¶ PïCҗPs PIPëPïP°PrPePë CҗPsP·PIPëC,PeCf C-PSC,PµCҗCГC,PeC†C-PNëPSPsPiPs P·P°c...PIPsCҗCҗPIP°PSPSC¶ P»PµPiPµPSCҗ (P†P—P) C,P° P»PµPiPµPSPµPIPsC— PiC-PïPµCҗC,PµPSP·C-C— PSP° C,P»C- P·P°CГC,PsCГCfPIP°PSPSC¶ C,PµCҗPëC,,P»CfPSPsPjC-PrCf.

PjPµPNë CҗPëP·PëPe PjPsP¶Pµ P±CfC,Pe PIPëC%PëPj Cf PïP°C†C-C"psc,C-PI, Cf C¶PePëC... PI P°PSP°PjPSPµP·C- PIC-PrP·PSP°c±P°c"с,CHCГC¶ P†P—P».

P†P—P» PjPsP¶Pµ CҗPsP·PIPëPIP°c,PeCГC¶ PïPsCГC,CҗPs Cf P±CfPrCH-C¶PePëPNë PjPsPjPµPSC, PïC-Pr C±P°CГC C,PµCҗP°PïC-C— C- PjP°c,Pe CҗC-P·PSC- PeP»C-PSC-C±PSC- PïCҗPsC¶PIPë.

P†P—P» PjPsP¶Pµ PïCҗPëP·PIPsPrPëC,Pe PrPs P»PµC,P°P»CHPSPsPiPs PSP°CГP»C-PrPeCf. PµPsC¶PIP° P°P±Ps PïPsPiC-CҗC€PµPSPSC¶ C-CГPSCfCҗC±PëC... P»PµPiPµPSPµPIPëC... CГPëPjPïC,PsPjC-PI, C,P°PePëC... C¶Pe CГC,C-PNëPePëPNë PeP°C€PµP»CH C,P° P·P°PrPëC€PeP°, PjPsP¶CfC,CH P±CfC,Pe PïC-PrCГC,P°PIPsCҗ PrP»C¶ PIC-PrPjC-PSPë C,PµCҗP°PïC-C— C,P° PrP»C¶ PïPsPrP°P»CHC€PsPiPs PsP±CГC,PµP¶PµPSPSC¶, C¶PeC%Ps C,P°PePµ PïPsPeP°P·P°PSPs. Pj CҗP°P·C- PSPµPsP±C...C-PrPSPsCГC,C- PïCҗPëPïPëPSPµPSPSC¶ P»C-PeCfPIP°PSPSC¶ PïCҗPµPïP°CҗP°c,PsPj PïPsC,CҗC-P±PSPs CҗPsP·PiP»C¶PSCfC,Pe PrPsC†C-P»CHPSC-CГC,CH PïCҗPsPIPµPrPµPSPSC¶ PïCҗPsC†PµPrCfCҗPë PïCҗPëCГCfPePsCҗPµPSPsPiPs PNëPsPiPs PIPëPIPµPrPµPSPSC¶.

P'PiP»PëPI PSP° PeCḥPsPIPsC,PIPsCḥPμPSPSCII. P'C-PrP·PSP°C±P°P»PsCfCII  
P·PjPμPSC€PμPSPSCII PeC-P»CHḥPePsCfC,C- P»PμPNḥPePsC†PëC,C-PI Cr  
CfPμCḥPμPrPSCḥPsPjCf PSP° PjPμPSC€ PSC-P¶ 15 % PIC-Pr PiPsC±P°C,PePsPIPsPiPs  
CḥC-PIPsCII (PrPëPI. CḥPsP·PrC-P» B«PμPsP±C-C±PSC- CḥPμP°PeC†C-C—B»). PĪPe  
P·P°PiPsP±C-P¶PSPëPNḥ P·P°C...C-Pr PSPμPsP±C...C-PrPSPs PSPμP·P°PrPsPIPiPs PrPs  
PiPsC±P°C,PeCf P»C-PeCfPIP°PSPSCII PsC,CḥPëPjP°C,Pë CḥPμP·CfP»CHḥC,P°C,Pë  
CḥPsP·PiPsCḥPSCfC,PsPiPs P·P°PiP°P»CHḥPSPsPiPs P°PSP°P»C-P·Cf PeCḥPsPIC-, PI C,PsPjCf  
C±PëCfP»C- P· P»PμPNḥPePsC†PëC,P°CḥPSPsCḥ C,,PsCḥPjCfP»PsCḥ C,P°  
PIPëP·PSP°C±PμPSPSCII Pj PIPjC-CfC,Cr C,CḥPsPjP±PsC†PëC,C-PI, C- PIPëPePsPSCfPIP°C,Pë  
CḥPsP·PiPsCḥPSCfC,PëPNḥ P·P°PiP°P»CHḥPSPëPNḥ P°PSP°P»C-P· PeCḥPsPIC- PiC-Pr C±P°Cf  
C,PμCḥP°PiC-C— P· PsPiP»CIIPrCf PSP° PeP»C-PSC-C±PSC- PsP·PSP°PePë C,P° CfPëPjPiC,PsPjPë  
(PSP°PiCḥPëPeP»P°Pr, Cr CḥP°P·C- CḥPsP·PIPëC,PeCf C-PSC,,PμPeC†C-C—).

PJ PiP°C†C-C" PSC,C-PI P· CrP¶Pμ C-CfPSCfCḥC±PsCḥ P°PSPμPjC-C" Cḥ,  
P»PμPNḥPePsPiPμPSC-C" Cḥ C,P°/P°P±Ps C,CḥPsPjP±PsC†PëC,PsPiPμPSC-C" Cḥ, P° C,P°PePsP¶ Cr  
PiP°C†C-C" PSC,C-PI P· PiPsCḥCfC€PμPSPSCII Pj C,,CrPSPeC†C-C— C±PμCḥPIPSPSPsPiPs  
PeC-CfC,PePsPIPsPiPs PjPsP·PeCf C±Pë P· CḥPëP·PëPePsPj PiCḥPëPiPSC-C±PμPSPSCII  
C,,CrPSPeC†C-C— C±PμCḥPIPSPSPsPiPs PeC-CfC,PePsPIPsPiPs PjPsP·PeCf P·CḥPsCfC,P°C"  
CḥPëP·PëPe CḥPsP·PIPëC,PeCf CḥPsP·P»P°PrC-PI PeCḥPsPIPsC,PIPsCḥPμPSPSCII. PĪPeC%Ps  
PIPëPSPëPeP°CḥC,CH C,P°PeC- PμC,,PμPeC,Pë, CfP»C-Pr P·PIP°P¶PëC,Pë  
PrPsC†C-P»CHḥPSC-CfC,CH P·P°CfC,PsCfCfPIP°PSPSCII PiCḥPsC†PμPrCfCḥPë  
PiCḥPëCfPePsCḥPμPSPsPiPs PIPëPIPμPrPμPSPSCII (PrPëPI. PIPëC%Pμ B«PμCḥPsC†PμPrCfCḥP°  
PiCḥPëCfPePsCḥPμPSPsPiPs PIPëPIPμPrPμPSPSCII B») PrP»CII P·PSPëP¶PμPSPSCII CḥC-PIPsCII  
C,PμCḥPëC,,P»CrPSPsPjC-PrCf Cr PiP»P°P·PjC- PeCḥPsPIC-.

PJ CḥP°P·C- CḥPsP·PIPëC,PeCf C,CII P¶PePëC... PiPμPjP°C,PsP»PsPiC-C±PSPëC...  
CḥPμP°PeC†C-PNḥ, Cr C,PsPjCf C±PëCfP»C- PiP°PSC†PëC,PsPiPμPSC-C—, PSPμPsP±C...C-PrPSPs  
PIC-PrPjC-PSPëC,Pë PiCḥPμPiP°CḥP°C, PhP±P°PrP¶C-Ps<sup>B®</sup> C,P° CrCfC- CfCfPiCfC,PSC-  
PjC-C" P»PsCfCfPiCḥPμCfPëPIPSC- P·P°CfPsP±Pë C- P·PIP°P¶PëC,Pë  
PrPsC†C-P»CHḥPSC-CfC,CH P·P°CfC,PsCfCfPIP°PSPSCII PiCḥPsC†PμPrCfCḥPë  
PiCḥPëCfPePsCḥPμPSPsPiPs PIPëPIPμPrPμPSPSCII C,PμCḥPëC,,P»CrPSPsPjC-PrCf.

PĪPeC-CḥPSC- CḥPμP°PeC†C-C—. PJ PiC-CfP»CII CḥPμC" CfC,CḥP°C†C-PNḥPSPëPNḥ  
PiPμCḥC-PsPr PiPsPIC-PrPsPjP»CII P»PsCfCII PiCḥPs PIPëPiP°PrPePë CfPμCḥPNḥPsP·PSPëC...,  
C-PSPsPrC- P»PμC,P°P»CHḥPSPëC... C€PeC-CḥPSPëC... CḥPμP°PeC†C-PNḥ, Cr C,PsPjCf  
C±PëCfP»C- CfPëPSPrCḥPsPjCf PŸC,C-PIPμPSCfP° - P" P¶PsPSCfPsPSP°,  
C,PsPeCfPëC±PSPsPiPs PμPiC-PrPμCḥPjP°P»CHḥPSPsPiPs PSPμPeCḥPsP»C-P·Cf, P° C,P°PePsP¶  
CḥPμP°PeC†C-C— PSP° P»C-PeP°CḥCfCHḥPePëPNḥ P·P°CfC-P± P· PμPsP·PëPSPsC,,C-P»C-C" Cḥ  
C,P° CfPëCfC,PμPjPSPëPjPë CfPëPjPiC,PsPjP°PjPë (DRESS-CfPëPSPrCḥPsPj) PiC-Pr C±P°Cf  
PiCḥPëPNḥPsPjCf PiCḥPμPiP°CḥP°C,Cr PhP±P°PrP¶C-Ps<sup>B®</sup>.

PĪPeC%Ps Cr PiP°C†C-C" PSC,P° CfPiPsCfC,PμCḥC-PiP°CḥC,CHḥCfCII CḥPμP°PeC†C-C— P·  
P±PsPeCf C€PeC-CḥPë C,P°/P°P±Ps CfP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe  
(PIPëCḥP°P·PePsPIPëPNḥ CfC,PsPjP°C,PëC,), CII PeC- C" PiC-PrPsP·CḥC-P»PëPjPë C%PsPrPs  
CḥPsP·PIPëC,PeCf C,CII P¶PePsC— PiPμPSPμCḥP°P»C-P·PsPIP°PSPsC— CfPμCḥPNḥPsP·PSPsC—  
C€PeC-CḥPSPsC— CḥPμP°PeC†C-C— (CfPëPSPrCḥPsPj PŸC,C-PIPμPSCfP° - P" P¶PsPSCfPsPSP°,  
C,PsPeCfPëC±PSPëPNḥ PμPiC-PrPμCḥPjP°P»CHḥPSPëPNḥ PSPμPeCḥPsP»C-P· - CfPëPSPrCḥPsPj  
P»P°PNḥC" P»P»P° P°P±Ps CḥPμP°PeC†C-CII PSP° P»C-PeP°CḥCfCHḥPePëPNḥ P·P°CfC-P± P·  
PμPsP·PëPSPsC,,C-P»C-C" Cḥ C,P° CfPëCfC,PμPjPSPëPjPë CfPëPjPiC,PsPjP°PjPë),  
PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë C,PμCḥPëC,,P»CrPSPsPjC-Pr C,P° CrCfC- C-PSC€C-  
P·P°CfPsP±Pë, P· CII PePëPjPë PjPsP¶Pμ P±CfC,Pë PiPsPiBḥ™ CII P·P°PSP° C,P°PeP°  
CḥPμP°PeC†C-CII, C,P° PSPμPiP°PNḥPSPs CḥPsP·PiPsC±P°C,Pë PiCḥPsC†PμPrCfCḥCf



PiCḡPëCíPëPsCḡPμPSPsPiPs PIPëPIPμPrPμPSPSCḡ. PJ C,P°PePëC... PIPëPIP°PrPeP°C...  
PiP°C†C-C" PSC,P°Pj PSPμ PjPsP¶PSP° PiPsPIC,PsCḡPSPs PiCḡPëP·PSP°C†P°C,Pë  
C,PμCḡPëC,,P»C†PSPsPjC-Pr (PrPëPI. CḡPSP·PrC-P» B«PμCḡPSC,PëPiPsPeP°P·P°PSPSCḡB»).

PμCḡPs PSPsPIPëPNë PiPsC†P°C,PsPe PiCíPSCḡC-P°P·C† (PIPëP»CḡC†P°CḡC†Pë  
PiPSC-PMëPSPëC†PePsPIPëPNë) C- PiPsPiC-CḡCëPμPSPSCḡ PIP¶Pμ C-C†PSC†CḡC†PsPiPs  
PiCíPSCḡC-P°P·C† PiPsPIC-PrPsPjP»CḡP»PsCíCḡ PiC-Pr C†P°C† P·P°C†C,PsCíC†PIP°PSPSCḡ  
C,PμCḡPëC,,P»C†PSPsPjC-PrC†. P°C-PrPjC-PSC† P»C-PëC†PIP°PSPSCḡ C,P° PiPsC†P°C,PsPe  
PiCḡPsC†PμPrC†CḡPë PiCḡPëCíPëPsCḡPμPSPsPiPs PIPëPIPμPrPμPSPSCḡ PiCḡPμPiP°CḡP°C,C†  
PjPsP¶PSP° CḡPsP·PiP»CḡPrP°C,Pë P·C†CḡP°C...C†PIP°PSPSCḡPj C...PIPSCḡPsP±Pë  
PiP°C†C-C" PSC,P° C,P° C-C†C,PsCḡC-C— C...PIPSCḡPsP±Pë.

PμPμCḡPëC,,PμCḡPëC†PSP° PSPμPNëCḡPsPiP°C,C-Cḡ. PμPsPIC-PrPsPjP»CḡP»PsCíCḡ PiCḡPs  
PIPëPIP°PrPePë CḡPsP·PIPëC,PeC† PiPμCḡPëC,,PμCḡPëC†PSPsC— PSPμPNëCḡPsPiP°C,C-C— C†  
PiP°C†C-C" PSC,C-PI, CḡPeC- PsC,CḡPëPjC†PIP°P»Pë PiCḡPμPiP°CḡP°C, PḡP±P°PrP¶C-Ps<sup>B®</sup>  
(PrPëPI. CḡPSP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»). PJ P±C-P»CḡCëPsCíC,C-  
PiP°C†C-C" PSC,C-PI PiC-C†P»Cḡ PIC-PrPjC-PSPë PiCḡPμPiP°CḡP°C,C† PḡP±P°PrP¶C-Ps<sup>B®</sup>  
C†PiPsCíC,PμCḡC-PiP°P»PsCíCḡ PiPsPeCḡP°C%°PSPSCḡ C†C,P°PSC†. PμCḡPsC,Pμ  
PIC-PrP·PSP°C†P°P»P°C†Cḡ P·PSP°C†PSP° PIP°CḡC-P°P±PμP»CḡPSC-C†C,Cḡ  
PsCíC,P°C,PsC†PSPëC... PSP°C†P»C-PrPeC-PI C†C-C" C— PiPsP±C-C†PSPsC— CḡPμP°PeC†C-C—,  
C,PsP±C,Ps C† PrPμCḡPePëC... PiP°C†C-C" PSC,C-PI PSPμPNëCḡPsPiP°C,C-Cḡ PiPsPIPSC-C†C,Cḡ  
C†C†C†PIP°P»P°C†Cḡ, P° C† PrPμCḡPePëC... PiP°C†C-C" PSC,C-PI P·P°P»PëCëP°P»P°C†Cḡ  
C†C,C-PNëPeP° C†PëPjPiC,PsPjP°C,PëPeP°. PiPeC%°Ps C† PiP°C†C-C" PSC,P° PSP° C,P»C-  
PiCḡPëPNëPsPjC† PiCḡPμPiP°CḡP°C,C† PḡP±P°PrP¶C-Ps<sup>B®</sup> CḡPsP·PIPëPIP°C" C,CḡC†Cḡ  
PiC-PrC,PIPμCḡPrP¶PμPSP° PiPμCḡPëC,,PμCḡPëC†PSP° PSPμPNëCḡPsPiP°C,C-Cḡ, C†P»C-Pr  
P·PIP°P¶PëC,Pë PrPsC†C-P»CḡPSC-C†C,Cḡ PIC-PrPjC-PSPë P»C-PëC†PIP°PSPSCḡ  
PiCḡPμPiP°CḡP°C,PsPj PḡP±P°PrP¶C-Ps<sup>B®</sup> C,P° PIPëPePsPSP°PSPSCḡ PiCḡPsC†PμPrC†CḡPë  
PiCḡPëCíPëPsCḡPμPSPsPiPs PIPëPIPμPrPμPSPSCḡ.

P°P°PeC†PëPSP°C†C-Cḡ. P"PIP° PeP»C-PSC-C†PSC- PrPsC†P»C-PrP¶PμPSPSCḡ  
PiPsPeP°P·P°P»Pë, C%°Ps C%°PμPiP»PμPSPSCḡ C-PSP°PeC,PëPIPsPiP°PSPëPj  
PSPμPsP°PSC,PëPiPμPSPsPj (PiPμCḡCëP° PIP°PeC†PëPSP°C†C-Cḡ) P°P±Ps  
C†PμPSC†PëP±C-P»C-P·C†CḡC†PëPj P°PSC,PëPiPμPSPsPj (PiPsPIC,PsCḡPSP°  
PIP°PeC†PëPSP°C†C-Cḡ) P±C†P»Pë P±PμP·PiPμC†PSPëPjPë C,P° PμC,,PμPeC,PëPIPsPëPjPë PiC-Pr  
C†P°C† P»C-PëC†PIP°PSPSCḡ PiCḡPμPiP°CḡP°C,PsPj PḡP±P°PrP¶C-Ps<sup>B®</sup>.  
P—P°C†C,PsCíC†PIP°PSPSCḡ P¶PëPIPëC... P°C,PμPSC†PMëPsPiP°PSPëC... PIP°PeC†PëPS  
PjPsP¶Pμ P·C†PjPsPiP»CḡPiP°C,Pë CḡPëP·PëPe C-PSC,,PμPeC†C-PNë, C- C† P·PIBḡ™ CḡP·PeC† P·  
C†PëPj PNëPsPiPs C†P»C-Pr C†PSPëPeP°C,Pë.

P†PjC†PSPsCíC†PiCḡPμCíPSCḡPSP° P°P±Ps C-PjC†PSPsPjPsPrC†P»CḡCḡC†P° C,PμCḡP°PiC-Cḡ.  
PḡC†PeC-P»CḡPePë P»PμC,,P»C†PSPsPjC-Pr C" C†PiPsP»C†PePsCḡ-PiPsPiPμCḡPμPrPSPëPePsPj  
C,PμCḡPëC,,P»C†PSPsPjC-PrC†, PsPrPSPsC†P°C†PSPμ P·P°C†C,PsCíC†PIP°PSPSCḡ  
C,PμCḡPëC,,P»C†PSPsPjC-PrC† C,P° P»PμC,,P»C†PSPsPjC-PrC† PSPμ  
CḡPμPePsPjPμPSP†C†C" C,CḡC†Cḡ.

PḡPrPSPsC†P°C†PSPμ P·P°C†C,PsCíC†PIP°PSPSCḡ P· P°PSC,PëPSPμPsPiP»P°C†C,PëC†PSPëPjPë  
P°P±Ps C-PjC†PSPsCíC†PiCḡPμCíPSCḡPSPëPjPë P»C-PëP°CḡC†CḡPePëPjPë P·P°C†PsP±P°PjPë,  
C%°Ps PIPëPePsCḡPëC†C,PsPIC†Cḡ,CḡC†Cḡ PrP»Cḡ P»C-PëC†PIP°PSPSCḡ P PŸ, PSPμ  
PIPëPIC†P°P»PsCíCḡ. P"PsC†P»C-PrP¶PμPSPSCḡ P· PIPëPIC†PμPSPSCḡ  
P±PμP·PiPμC†PSPsC†C,C- PiCḡPμPiP°CḡP°C,C†, PI CḡPePëC... C,PμCḡPëC,,P»C†PSPsPjC-Pr  
PiCḡPsC,CḡPiPsPj PiPμCḡC-PsPrC† C,CḡPëPIP°P»C-C†C,Cḡ PrPs PsPrPSPsPiPs CḡPsPeC†  
PiCḡPëPNëPjP°PIC†Cḡ PsPrPSPsC†P°C†PSPs P· C-PSC,PμCḡC,,PμCḡPsPSPsPj P±PμC,P° P°P±Ps P·

PiP»P° C, PëCḥP° PjPμCḥCṛ P° C†PμC, P° C, PsPj, PSPμ PIPëCḤPIPëP»Pë P¶PsPrPSPëC...  
CḤPμC†PëC,, C-C†PSPëC... PḥP±P° PrP¶C-Ps<sup>B®</sup> CḤP·P° PSPëC... P· P±PμP·PḥPμPePsCḥ PiCḥPsP±P»PμPj,  
PiCḥPsC, Pμ PiCḥPë C†CḥPsPjCṛ CḤPḥPcḤC, PμCḥC-PiP°P»P° CḤCḤ P±C-P»CḥC€ PIPëCḤPsPeP°  
C†P° CḤC, PsC, P° PiPsP±C-C†PSPëC... CḥPμP° PeC†C-PNë PiPsCḥC-PiPSCḤPSPs P·  
PjPsPSPsC, PμCḥP° PiC-C" Cḥ C, PμCḥPëC,, P»CṛPSPsPjC-PrPsPj. P"PsPIPiPsCḤC, CḥPsPePsPIP°  
P±PμP·PḥPμC†PSC-CḤC, Cḥ C, P° PePëC... PePsPjP±C-PSP° C†C-PNë PiCḥPë P»C-PeCṛPIP°PSPSC-  
CḥPsP·CḤC-CḤPSPsPiPs CḤPeP»PμCḥPsP·Cṛ PSP° PrP°PSPëPNë C†P° CḤ PSPμ  
PIPëP·PSP° C†PμPSP°.

PμPμCḥPμPIPμPrPμPSPSCḤ P· PḥP±P° PrP¶C-Ps<sup>B®</sup> PSP° C-PSC€PëPNë PiCḥPμPiP°CḥP° C, P° P±Ps  
P· C-PSC€PsPiPs PiCḥPμPiP°CḥP° C, Cṛ PSP° PḥP±P° PrP¶C-Ps<sup>B®</sup>. P— PsPiP»CḤPrCṛ PSP°  
PeP»C-PSC-C†PSC- PrP°PSC- C%PsPrPs PsPrPSPsC†P° CḤPSPsPiPs P·P° CḤC, PsCḤCṛPIP°PSPSCḤ  
C, PμCḥPëC,, P»CṛPSPsPjC-PrCṛ P· C-PSC, PμCḥC,, PμCḥPsPSPsPj P±PμC, P° P°P±Ps P·  
PiP»P° C, PëCḥP° PjPμCḥCṛ P° C†PμC, P° C, PsPj, PSPμPjP° C" PSPμPsP±C... C-PrPSPsCḤC, C- Cṛ  
PIPëC, CḥPëPjCṛPIP°PSPSC- PiPμCḥC-PsPrCṛ PsC†C-PeCṛPIP°PSPSCḤ Cṛ CḥP° P·C-  
PiPsC†P° C, PeCṛ C, PμCḥP° PiC-C— C, PμCḥPëC,, P»CṛPSPsPjC-PrPsPj PiC-CḤP»CḤ  
P·P° CḤC, PsCḤCṛPIP°PSPSCḤ C-PSC, PμCḥC,, PμCḥPsPSCṛ P±PμC, P° P°P±Ps  
PiP»P° C, PëCḥP° PjPμCḥCṛ P° C†PμC, P° C, Cṛ C†Pë Cṛ CḥP° P·C- PiPsC†P° C, PeCṛ C, PμCḥP° PiC-C—  
C-PSC, PμCḥC,, PμCḥPsPSPsPj P±PμC, P° P°P±Ps PiP»P° C, PëCḥP° PjPμCḥCṛ P° C†PμC, P° C, PsPj  
PiC-CḤP»CḤ P·P° CḤC, PsCḤCṛPIP°PSPSCḤ C, PμCḥPëC,, P»CṛPSPsPjC-PrCṛ.

PSPμCḥPμP· C, CḥPëPIP°P»PëPNë PiPμCḥC-PsPr PSP° PiC-PIPIPëPIPμPrPμPSPSCḤ  
PSP° C, P°P»C-P·CṛPjP°P±Cṛ Cṛ CḥP° P·C- PiPsC†P° C, PeCṛ C, PμCḥP° PiC-C—  
PiCḥPμPiP°CḥP° C, PsPj PḥP±P° PrP¶C-Ps<sup>B®</sup> PsPrCḥP° P·Cṛ P¶ PiC-CḤP»CḤ PIC-PrPjC-PSPë  
PSP° C, P°P»C-P·CṛPjP°P±Cṛ PiCḥPsC, CḤPiPsPj PiPμCḥC-PsPrCṛ PrPs 2-3 PjC-CḤCḤC†C-PI  
PjPsP¶P»PëPIP° PsPrPSPsC†P° CḤPSP° PSP° CḤPIPSC-CḤC, Cḥ C†PëC... PrPiPsC...  
PiCḥPμPiP°CḥP° C, C-PI PI PeCḥPsPIC- C, P°, CḤPe PSP° CḤP»C-PrPsPe, PsPrPSPsC†P° CḤPSPëPNë  
PiCḥPsCḤPI C—C...PSC-C... C-PjCṛPSPSPëC... PμC,, PμPeC, C-PI. Pj P·PiBḥ™ CḤP·PeCṛ P· C†PëPj  
CḤP»C-Pr P· PsP±PμCḥPμP¶PSC-CḤC, Cḥ PiPμCḥPμPiPsPrPëC, Pë PiP° C†C-C" PSC, C-PI P·  
C, PμCḥP° PiC-C— PSP° C, P°P»C-P·CṛPjP°P±PsPj PSP° C, PμCḥP° PiC-Cḥ PiCḥPμPiP°CḥP° C, PsPj  
PḥP±P° PrP¶C-Ps<sup>B®</sup>.

P— PsPiP»CḤPrCṛ PSP° PiPμCḥC-PsPr PSP° PiC-PIPIPëPIPμPrPμPSPSCḤ  
C,, C-PSPiPsP»C-PjPsPrCṛ, PiC-CḤP»CḤ PIC-PrPjC-PSPë C,, C-PSPiPsP»C-PjPsPrCṛ  
PSPμPsP±C... C-PrPSPëPNë B B B B B B B B B B B B B B B B 6-C, PëP¶PSPμPIPëPNë  
PiPμCḥC-PsPr P±PμP· P»C-PeCṛPIP°PSPSCḤ PrP»CḤ PNëPsPiPs PIPëPIPμPrPμPSPSCḤ P·  
PeCḥPsPiPsP±C-PiCṛ C- 1-2-PjC-CḤCḤC†PSPëPNë PiPμCḥC-PsPr PrP»CḤ C, PsPiPs, C%PsP±  
CḥC-PIPμPSCḥ P»C-PjC,, PsC†PëC, C-PI PiPsPIPμCḥPSCṛPICḤCḤ PrPs PSPsCḥPjPë.  
PμPsC†P° C, PsPe P»C-PeCṛPIP°PSPSCḤ PiCḥPμPiP°CḥP° C, PsPj PḥP±P° PrP¶C-Ps<sup>B®</sup>  
PiCḥPsC, CḤPiPsPj C†CḥPsPiPs PiPμCḥC-PsPrCṛ C†P° CḤCṛ PiCḥPëP·PIPμPrPμ PrPs  
PsPrPSPsC†P° CḤPSPsC— PSP° CḤPIPSPsCḤC, C- C, PμCḥPëC,, P»CṛPSPsPjC-PrCṛ C-  
C,, C-PSPiPsP»C-PjPsPrCṛ PI PeCḥPsPIC-. PḥPμ PjPsP¶Pμ P·CṛPjPsPIPëC, Pë P°PrPëC, PëPIPSPëPNë  
PIPḥP»PëPI PSP° C-PjCṛPSPSCṛ CḤPëCḤC, PμPjCṛ, Cṛ P·PiBḥ™ CḤP·PeCṛ P· C†PëPj  
CḥPμPePsPjPμPSPṛCṛC" C, CḥCḤCḤ PrPsC, CḥPëPjCṛPIP° C, PëCḤCḤ PsP±PμCḥPμP¶PSPsCḤC, C-.

Pj PiP° C†C-C" PSC, C-PI P· P Pḥ PiC-CḤP»CḤ P±P° PiP° C, PsPeCḥP° C, PSPsPiPs  
P·P° CḤC, PsCḤCṛPIP°PSPSCḤ C, PμCḥPëC,, P»CṛPSPsPjC-PrCṛ Cṛ PrPsP·C- 14 PjPi PjPμPrC-P°PSP°  
C, PμCḥPjC-PSP° P»CḥPSPsPiPs PiPμCḥC-PsPrCṛ PSP° PiC-PIPIPëPIPμPrPμPSPSCḤ (t<sub>1/2z</sub>)  
CḤC, P°PSPsPIPëP»P° PiCḥPëP±P»PëP·PSPs 19 PrPSC-PI. PiPeC%Ps PiCḥPëPNëPSCḤC, Ps  
CḥC-C€PμPSPSCḤ PiCḥPs PiCḥPëPiPëPSPμPSPSCḤ C, PμCḥP° PiC-C— PiCḥPμPiP°CḥP° C, PsPj  
PḥP±P° PrP¶C-Ps<sup>B®</sup>, PiPsC†P° C, PsPe P»C-PeCṛPIP°PSPSCḤ C-PSC€PëPj P·P° CḤPsP±PsPj

PiCtjPsc,CiPiPsPj C-PSC,PuCtjPiP°P»Cf C,CtjPePiP°P»C-CfC,Ct 5 PiPuCtjC-PsPrC-PI  
PSP°PiC-PIPIPePiPuPrPuPSPSCi (C%Ps CfC,P°PSPsPiPeC,Ct  
PiCtjPeP±P»PeP·PSPsB 3,5 PjC-CfCtjCfC-PI,  
C...PsCf° Cf PrPuCiPePeC... PiP°CfC-C°PSC,C-PI PjPsP¶Pu P±CfC,Pe PrPsPICePePj)  
PiCtjPeP·PiPuPrPu PrPs PsPrPSPsCfP°CfPSPsPiPs P·PSP°C...PsPrP¶PuPSPSCi  
C,PuCtjPeC,,P»CfPSPsPjC-PrCf C- CfCtjPsPiPs P·P°CfPSP±Cf PI PeCtjPSPIC-. PiPu PjPsP¶Pu  
PsP±CfPjPsPiPeC,Pe P°PrPeC,PePIPSPePNe PIPiP»PePI PSP° C-PjCfPSPSCf CfPeCfC,PuPjCf, Cf  
P·PiBtj™ CiP·PeCf P· CfPePj CtjPuPePsPjPuPSPPrCfC°C,CtCfCtj PrPsC,CtjPePjCfPiP°C,PeCfCtj  
PsP±PuCtjPuP¶PSPsCfC,C-

P°C-C,Pe

PuP°PSPeCtjPuP°C,PeC,, Pj PeP»C-PSC-CfPSPsPjCf PrPsCfP»C-PrP¶PuPSPSC- P·P°  
CfCfP°CfC,Ct PiP°CfC-C°PSC,C-PI PrPeC,CiCfPsPiPs PIC-PeCf  
CfPiPsCfC,PuCtjC-PiP°P»PeCfCt PIPePiP°PrPePe PiP°PSPeCtjPuP°C,PeC,Cf, PI PrPuCiPePeC...  
PIPePiP°PrPeP°C... PiPsCfC,CtjPsPiPs (PrPePI. CtjPsP·PrC-P» B«PuPsP±C-CfPSC-  
CtjPuP°PeCfC-C-B»). PjP»C-PSC-CfPSC- CfPePjPiC,PsPjPe PIPeP»CtjCfP°P»Pe P±C-P»Ctj Cf  
P¶PePiPsC,C-, PSCfPrPsC,Cf C,P°/P°P±Ps P±P»CtjPIP°PSPSCi. PiC- PiP°CfC-C°PSC,Pe PjP°P»Pe  
PiC-PrPIPeC%PuPSC- CtjC-PIPSC- P°PjC-P»P°P·Pe C,P° P»C-PiP°P·Pe PI CfPeCtjPsPiP°C,CfC-  
PeCtjPsPIC-.B PjP°Cf PSP°CfC,P°PSPSCi C,P°PePeC... PiCtjPsCiPIC-PI PePsP»PePiP°PICfCtj  
PIC-Pr PrPuPeC-P»CtjPePsC... PjC-CfCtjCfC-PI PrPs C,CtjCtjPsC... CtjPsPeC-PI.  
PuP°CfC-C°PSC,C-PI CfP»C-Pr PiCtjPsc-PSC,,PsCtjPjCfPiP°C,Pe PiCtjPs  
C...P°CtjP°PeC,PuCtjPSC- CfPePjPiC,PsPjPe PiP°PSPeCtjPuP°C,PeC,Cf. PuCtjPe PiC-PrPsP·CtjC-  
PSP° PiP°PSPeCtjPuP°C,PeC, CfP»C-Pr PIPePjC-CtjCtjC,Pe CtjC-PIPuPSCtj C,,PuCtjPjPuPSC,C-PI  
PiC-PrCfP»CfPSPePsPiPsC— P·P°P»PsP·Pe C,P° C-PSCeC- PIC-PrPiPsPIC-PrPSC-  
P»P°P±PsCtjP°C,PsCtjPSC- PiPsPeP°P·PSPePePe. Pj CtjP°P·C- PiC-PrC,PIPuCtjPrP¶PuPSPSCi  
PiP°PSPeCtjPuP°C,PeC,Cf PiCtjPePNePsPj C,PuCtjPeC,,P»CfPSPsPjC-PrCf CfP»C-Pr  
PiCtjPePiPePSPeC,Pe C,P° CtjPsP·PiPsCfP°C,Pe PiCtjPsCfPuPrCfCtjCf  
PiCtjPeCfPePsCtjPuPSPsPiPs PIPePiPuPrPuPSPSCi PiCtjPuPiP°CtjP°C,Cf (PrPePI. CtjPsP·PrC-P»  
B«P°P°CtjPjP°PePsPeC-PSPuP,C,PePeP°B»).

P»P°PeC,PsP·P°. PkCfPeC-P»CtjPePe C,P°P±P»PuC,PePe PkP±P°PrP¶C-Ps<sup>B</sup> B PjC-CfC,CiC,CtjC  
P»P°PeC,PsP·Cf, PiP°CfC-C°PSP°Pj P· C,P°PePePjPe CtjC-PrPeC-CfPSPePjPe  
CfPiP°PrPePsPiPePjPe PiCtjPsP±P»PuPjP°PjPe, CiPe PSPuPiPuCtjPuPSPsCfPePjC-CfC,Ctj  
PiP°P»P°PeC,PsP·Pe, P»P°PeC,P°P·PSP° PSPuPrPsCfC,P°C,PSC-CfC,Ctj CfP°P°PjC-PI P°P±Ps  
PjP°P»CtjP°P±CfPscTjP±CfC-Ci PiP»CtjPePsP·Pe-PiP°P»P°PeC,PsP·Pe, PSPu PiPsPiPePSPSC-  
PiCtjPePNePjP°C,Pe CfPuPNe PiCtjPuPiP°CtjP°C,.

PkP°C,CtjC-PNe. PiPuPNe P»C-PeP°CtjCfCtjPePePNe P·P°CfC-P± PjC-CfC,PeC,Ctj PjPuPSCePu  
PSC-P¶ 1 PjPjPsP»Ctj (23 PjPi) PSP°C,CtjC-Ctj PSP° PsPrPSCf C,P°P±P»PuC,PeCf, C,PsP±C,Ps  
PiCtjP°PeC,PeCfPSPs PSPu PjC-CfC,PeC,Ctj PSP°C,CtjC-Ctj.

P°PiP»PePI PSP° CtjPuP·CfP»CtjC,P°C,Pe PIPeP·PSP°CfPuPSPSCi CtjC-PIPSC-PI  
C-PsPSC-P·PsPiP°PSPsPiPs PeP°P»CtjCfC-Ctj

PuCtjPe PIPeP·PSP°CfPuPSPSC- CtjC-PIPSC-PI C-PsPSC-P·PsPiP°PSPsPiPs PeP°P»CtjCfC-Ctj  
PSP° C,P»C- P»C-PeCfPiP°PSPSCi P»PuC,,P»CfPSPsPjC-PrPsPj C,P°/P°P±Ps  
C,PuCtjPeC,,P»CfPSPsPjC-PrPsPj (P°PeC,PePIPSPePNe PjPuC,P°P±PsP»C-C,  
P»PuC,,P»CfPSPsPjC-PrCf) PjPsP¶CfC,Ctj P±CfC,Pe PsC,CtjPePjP°PSC- C...PeP±PSPs  
PSPeP·CtjPeC- P·PSP°CfPuPSPSCi, P·P°P»PuP¶PSPs PIC-Pr C,PePiCf  
PIPePePsCtjPeCfC,PsPICfPiP°PSPsPiPs P°PSP°P»C-P·P°C,PsCtjP° PrP»Ci  
PIPeP·PSP°CfPuPSPSCi C-PsPSC-P·PsPiP°PSPsPiPs PeP°P»CtjCfC-Ctj (PSP°PiCtjPePeP»P°Pr,

РiСҫPё Р·Р°СГС,PsСГСрPIP°PSPSC- P°PSP°P»C-Р·Р°С,PsСҫP° PiP°P·C-PI PeСҫPсPIC-). PJ P·PиBҫ™ CИP·PeCр P· C†PёPj Cр PиP°C†C-C"PSC,C-PI, CИPeC- PsC,CҫPёPjCрCҫC,CH P»PµC,,P»CрPSPsPjC-Pr P°P±Ps C,PµCҫPёC,,P»CрPSPsPjC-Pr, СГP»C-Pr P·PIP°P¶CрPIP°C,Pё PrPsСГС,PsPIC-CҫPSC-CГС,CH PsC,CҫPёPjP°PSPёC... P·PSPёP¶PµPSPёC... CҫC-PIPSC-PI C-PsPSC-Р·PsPIP°PSPsPiPs PeP°P»CHC†C-Cҫ. PJ CҫP°P·C- СГCрPjPSC-PIPSPёC... CҫPµP·CрP»CHC,Р°C,C-PI PIPёP·PSP°C†PµPSPSCИ CҫPµPePsPjPµPSPPrCрC"С,CHCГСИ PIPёP·PSP°C†P°C,Pё PePsPSC†PµPSC,CҫP°C†C-Cҫ PeP°P»CHC†C-Cҫ PI СГPёCҫPсPIP°C,C†C- PeСҫPсPIC- P· PиPsPиCҫP°PIPePsCҫ PSP° P·P°PiP°P»CHPSPёPNё CҫC-PIPµPSCҫ P°P»CHP±CрPjC-PSCр.

**P—P°СГС,PsСГСрPIP°PSPSCИ Cр PиPµCҫC-PsPr PIP°PiC-C,PSPsСГС,C- P°P±Ps PiPsPrCрPIP°PSPSCИ PiCҫCрPrCҫ.**

P—P°СГС,PsСГСрPIP°PSPSCИ C†PsP»PsPIC-PeP°Pj. P PёP·PёPe PµPjP±CҫC-PsC,,PµC,P°P»CHPSPsC— C,PsPeCГPёC†PSPsСГС,C- Cр CҫPµP·CрP»CHC,Р°C,C- PиCҫPёPNёPsPjCр C,PµCҫPёC,,P»CрPSPsPjC-PrCр P±P°C,CHPePsPj PrPёC,PёPSPё PIPIP°P¶P°C"С,CHCГСИ PSPёP·CHPePёPj (PrPёPI. CҫPsP·PrC-P» B«PαP°CҫPjP°PePsP»PsPiC-C†PSC- PIP»P°СГС,PёPIPсСГС,C-B»).

P'P°PiC-C,PSC-CГС,CH. PыPµCҫPёC,,P»CрPSPsPjC-Pr PиCҫPсC,PёPиPsPeP°P·P°PSPёPNё Cр PиPµCҫC-PsPr PIP°PiC-C,PSPsСГС,C- (PrPёPI. CҫPsP·PrC-P» B«PµCҫPсC,PёPиPsPeP°P·P°PSPSCИB»). P'PsPeP°P·PsPIC- PrP°PSC- C%PsPrPs P·P°СГС,PsСГСрPIP°PSPSCИ C,PµCҫPёC,,P»CрPSPsPjC-PrCр PIP°PiC-C,PSPёPj P¶C-PSPeP°Pj PSP°CҫP°P·C- PsP±PjPµP¶PµPSC-. P—P° CҫPµP·CрP»CHC,Р°C,P°PjPё PrPsСГP»C-PrP¶PµPSCҫ PSP° C,PIP°CҫPёPSP°C... P±CрP»Ps PиPsPeP°P·P°PSPs C,PsPeCГPёC†PSPёPNё PIPиP»PёPI PиCҫPµPиP°CҫP°C,Cр PSP° CҫPµPиCҫPсPrCрPeC,PёPIPSCр C,,CрPSPeC†C-Cҫ (PrPёPI. CҫPsP·PrC-P» B«PαP°CҫPjP°PePsP»PsPiC-C†PSC- PIP»P°СГС,PёPIPсСГС,C-B»).

PJ CҫP°P·C- P·P°СГС,PsСГСрPIP°PSPSCИ Cр PиPµCҫC-PsPr PIP°PiC-C,PSPsСГС,C- C,PµCҫPёC,,P»CрPSPsPjC-Pr PjPsP¶Pµ PиCҫPёP·PIPµCГС,Pё PrPs СГPµCҫPёPNёPsP·PSPёC... PICҫPсPrP¶PµPSPёC... PIP°Pr CҫPsP·PIPёC,PeCр.

P-C-PSPeP°Pj CҫPµPиCҫPсPrCрPeC,PёPIPSPsPiPs PIC-PeCр СГP»C-Pr P·P°СГС,PsСГСрPICрPIP°C,Pё PµC,,PµPeC,PёPIPSC- PjPµC,PsPrPё PePsPSC,CҫP°C†PµPiC†C-C— PиC-Pr C†P°СГ P»C-PeCрPIP°PSPSCИ PиCҫPµPиP°CҫP°C,PsPj C,P° PиC-CГP»CИ PNёPsPiPs P·P°PeC-PSC†PµPSPSCИ, PиPsPePё PePsPSC†PµPSC,CҫP°C†C-CИ C,PµCҫPёC,,P»CрPSPsPjC-PrCр Cр PиP»P°P·PjC- PeCҫPсPIC- СГС,Р°PSPsPIPёC,PёPjPµ P±C-P»CHC€Pµ 0,02 PjPi/P». PµC-Pr C†P°СГ C†CHPsPiPs PиPµCҫC-PsPrCр P¶C-PSPePё PjP°CҫC,CH PsP±PiPsPIPсCҫPҫPиP°C,Pё P·C- СГPIPсC—Pj P»C-PeP°CҫPµPj P±CрPrCH-CИPeC- PиP»P°PSPё C%PsPrPs PиCҫPёPиPёPSPµPSPSCИ PIPёPePsCҫPёCГС,P°PSPSCИ PePsPSC,CҫP°C†PµPiC†C-C— P°P±Ps P·PjC-PSPё PjPµC,PsPrCр PePsPSC,CҫP°C†PµPiC†C-C—. P"С-PIC†P°C, C,P°/P°P±Ps P±P°C,CHPeC-PI/PsPiC-PeCрPSC-PI PrC-PIC†P°C, СГP»C-Pr PиCҫPсC-PSC,,PsCҫPjCрPIP°C,Pё PиCҫPс PSPµPsP±C...C-PrPSC-CГС,CH P·PиBҫ™ CИP·P°C,PёCГСИ P· P»C-PeP°CҫPµPj, C%PsPNёPSPs Cр PrC-PIC†PёPSPё, CИPeP° PиCҫPсC...PsPrPёC,CH PeCрCҫCГ P»C-PeCрPIP°PSPSCИ PиCҫPµPиP°CҫP°C,PsPj PµP±P°PrP¶C-Ps<sup>B®</sup>, PSP°СГС,P°C" PjPµPSCГС,CҫCрP°C†C-CИ. PќPsPIPёPj PиP°C†C-C"PSC,PeP°Pj, P·PrP°C,PSPёPj P·P°PIP°PiC-C,PSC-C,Pё, СГP»C-Pr PиCҫPсPIPсPrPёC,Pё PePsPSCГCрP»CHC,Р°C†C-C— P· PиPёC,P°PSCҫ PePsPSC,CҫP°C†PµPiC†C-C— C,P° PиPsC,PµPSC†C-PNёPSPsPiPs CҫPёP·PёPeCр PrP»CИ PиP»PsPrP°. PыP»C-Pr CҫPsP·PiP»CИPSCрC,Pё PjPsP¶P»PёPIC-CГС,CH PSP°PиCҫP°PIP»PµPSPSCИ PrPs PiC-PSPµPePsP»PsPiP°.

РμP°C†C-C"PSC,PeCp PSpμPsP±C...C-PrPSPs PiCηPsC-PSC,,PsCηPjCpPIP°P,Pe, C%oPs Cr CηP°P·C- P·P°P,CηPēPjPePē PiPsC±P°P,C,PeCp PjPμPSC†C,CηCpP°C†C-PNē P°P±Ps PiCηPē PiC-PrPsP·CηC- PSP° PIP°PiC-C,PSC-C†C,Cη PIPsPSP° PjP°P" PiCηPēPiPēPSPēC,Pe PiCηPēPNēPsPj PiCηPμPiP°CηP°P,C,Cr PhP±P°PrP¶C-Ps<sup>B</sup> C,P° PSpμPiP°PNēPSPs P·PIPμCηPSC†C,PeC†C†C PrPs P»C-PeP°CηC†C PrP»C†C PiCηPsPIPμPrPμPSPSC†C C,PμC†C,Cr PSP° PIP°PiC-C,PSC-C†C,Cη, P° Cr PIPēPiP°PrPeCp PiPsP·PēC,PePIPSPsPiPs CηPμP·CpP»CηC,P°P,Cr C†CηPsPiPs C,PμC†C,Cr P»C-PeP°Cη C- PiP°C†C-C"PSC,PeP° PiPsPIPēPSPSC- PsP±PiPsPiPsCηPēC,Pe CηPēP·PēPePē PrP»C†C PIP°PiC-C,PSPsC†C,C-. P†C†PSC†C" C-PjPsPIC-CηPSC-C†C,Cη C,PsPiPs, C%oPs CēPIPēPrPePμ P·PSPēP¶PμPSPSC†C CηC-PIPSC†C C,PμCηPēC,,P»CpPSPsPjC-PrCp PI PeCηPsPIC- CēP»C†C...PsPj P·P°C†C,Psc†CpPIP°PSPSC†C PiCηPsC†PμPrCpCηPē PiCηPēC†PePsCηPμPSPsPiPs PIPēPIPμPrPμPSPSC†C, PsPiPēC†P°PSPsC— PSPēP¶C†Pμ, PiCηPē PiPμCηCēPeC... PsP·PSP°PeP°P... P·P°P,CηPēPjPePē PjPμPSC†C,CηCpP°C†C-C— PjPsP¶Pμ P·PjPμPSCēPeC,Pe CηPēP·PēPe PrP»C†C PiP»PsPrP°.

P-C-PSPeP°Pj, C†PeC- PsC,CηPēPjCpCηC,Cη P»C-PeCpPIP°PSPSC†C C,PμCηPēC,,P»CpPSPsPjC-PrPsPj C,P° P±P°P¶P°CηC,Cη P·P°PIP°PiC-C,PSC-C,Pe, PSpμPsP±C...C-PrPSPs PIC-PrPjC-PSPēC,Pe PiCηPμPiP°CηP°P,, C- PiCηPē C†CηPsPjCp CηPμPePsPjPμPSPPrPsPIP°PSPs P·P°C†C,Psc†CpPIP°P,Pe PiCηPsC†PμPrCpCηCp PiCηPēC†PePsCηPμPSPsPiPs PIPēPIPμPrPμPSPSC†C P· PjPμC,Pscη P±C-P»CηCē CēPIPēPrPePsPiPs PrPsC†C†PiPSPμPSPSC†C PePsPSC†PμPSC,CηP°C†C-PNē PSPēP¶C†Pμ 0,02 PjPi/P» (PrPēPI. PSPēP¶C†Pμ).

PiPeC%oPs PiCηPsC†PμPrCpCηCp PiCηPēC†PePsCηPμPSPsPiPs PIPēPIPμPrPμPSPSC†C PSpμ P·P°C†C,Psc†CpPICpPIP°P,Pe, PjPsP¶PSP° PsC±C-PeCpPIP°P,Pe, C%oPs CηC-PIPSC- C,PμCηPēC,,P»CpPSPsPjC-PrCp Cr PiP»P°P·PjC- PeCηPsPIC- P±CpPrCpC,Cη P·P°P»PēCēP°P,PeC†C† PIPēC%oPμ 0,02 PjPi/P» PiCηPsC,C†PiPsPj Cr C†PμCηPμPrPSCηPsPjCpB B B B B B B B B B 8 PjC-C†C†C†C-PI, PiCηPsC,Pμ PrPμC†PePēPj PiP°C†C-C"PSC,P°Pj PjPsP¶Pμ P±CpC,Pe PiPsC,CηC-P±PSPs PrPs 2 CηPsPeC-PI PrP»C†C PrPsC†C†PiPSPμPSPSC†C CηC-PIPSC†C PiP»P°P·PjPsPIPSC— PePsPSC†PμPSC,CηP°C†C-C— PSPēP¶C†Pμ 0,02 PjPi/P». Pj P·PiBη<sup>TM</sup> C†P·PeCp P· C†PēPj PSpμPsP±C...C-PrPSPs PIPēP·PSP°C†PeC,Pe PePsPSC†PμPSC,CηP°C†C-Cη C,PμCηPēC,,P»CpPSPsPjC-PrCp Cr PiP»P°P·PjC- PeCηPsPIC-, PiPμCηCē PSC-P¶ P¶C-PSPeP° CηPsP·PiPsC±PSPμ C†PiCηPsP±Pē P·P°PIP°PiC-C,PSC-C,Pe. PμC-C†P»C†C C,PsPiPs, C†Pe P±CpPrPμ PIPēP·PSP°C†PμPSPs PePsPSC†PμPSC,CηP°C†C-Cη C,PμCηPēC,,P»CpPSPsPjC-PrCp PI PiP»P°P·PjC- PeCηPsPIC- PSPēP¶C†Pμ 0,02 PjPi/P», PNēPsPiPs PiP»P°P·PjPsPICp PePsPSC†PμPSC,CηP°C†C-Cη PiPsC,CηC-P±PSPs P±CpPrPμ PIPēP·PSP°C†PeC,Pe PiPsPIC,PscηPSPs C†PμCηPμP· C-PSC,PμCηPIP°P» C†P°C†Cp C,CηPēPIP°P»C-C†C,Cη PSpμ PjPμPSCēPμB B B B B B B B B B B B B B B B B B 14 PrPSC-PI.

PiPeC%oPs CηPμP·CpP»CηC,P°P,Pe PsP±PsC... PrPsC†P»C-PrP¶PμPSCη PiP»P°P·PjPsPIPēC... PePsPSC†PμPSC,CηP°C†C-PNē PSPēP¶C†Pμ 0,02 PjPi/P», PSC-C†PePsPiPs CηPēP·PēPeCp PrP»C†C PiP»PsPrP° PSpμ PsC±C-PeCpC"C,CηC†C†C.

P"»C†C PsC,CηPēPjP°PSPSC†C PrPsPrP°P,PePsPiPsC— C-PSC,,PsCηPjP°C†C-C— C%oPsPrPs C,PμC†C,CpPIP°PSPSC†C P·CηP°P·PeP° PeCηPsPIC- PrP»C†C PIPēP·PSP°C†PμPSPSC†C C†CηPsPiPs PiPsPeP°P·PSPēPeP° C†P»C-Pr P·PIPμCηC,P°P,PeC†C†C PrPs PIP»P°C†PSPēPeP° CηPμC"C†C,CηP°C†C-PNēPSPsPiPs PiPsC†PIC-PrC†PμPSPSC†C P°P±Ps PrPs PNēPsPiPs PjC-C†C†PμPIPēC... PiCηPμPrC†C,P°PIPSPēPeC-PI (PrPēPI. CηPsP·PrC-P» B«P'PēCηPsP±PSPēPeB»).

PμCηPsC†PμPrCpCηP° PiCηPēC†PePsCηPμPSPsPiPs PIPēPIPμPrPμPSPSC†C

РµС-СГР»СЦ ПĭСĤРĕРĭРĕРSPµPSPSCЦ П»С-РeСГРIP°PSPSCЦ С,РµСĤРĕС,,P»СГРPSPsPjC-PrPsPj:

В· ПĭСĤРĕР·PSP°С±P°С,Рĕ С...PsP»РµСГГС,РĕСĤР°РjC-PS 8 Пĭ С,СĤРĕС±С- PSP° PrPsP±СГР ПĭСĤРsC,СЦПĭPsPj ПĭРµСĤС-PsPrСГР С,СĤРĕРIP°P»С-СГГС,СĤ 11 PrPSC-PI P°P±Ps P·P°СГГС,PsСГГРPICГРIP°С,Рĕ С...PsP»РµСГГС,РĕСĤР°РjC-PS 4 Пĭ С,СĤРĕС±С- PSP° PrPsP±СГР, СЦРeC%oPs С...PsP»РµСГГС,РĕСĤР°РjC-PS 8 Пĭ С,СĤРĕС±С- PSP° PrPsP±СГР ПĭPsPĭP°PSPs ПĭРµСĤРµPSPsСГРРĕС,СĤСГГСЦ ПĭP°СГГС-С”PSC,PsPj;

В· СЦРe P°P»СĤС,РµСĤРPSP°С,РĕPICГР ПĭСĤРĕР·PSP°С±P°С,Рĕ ПĭPs 50 Пĭ ПĭPsСĤРsCĕРeСГР P°PеC,РĕPĭPsPĭP°PSPsPĭPs PICГРPĭC-Р»P»СЦ ПePsP¶PSC- 12 ПĭPsPrPĕPs ПĭСĤРsC,СЦПĭPsPj ПĭРµСĤС-PsPrСГР С,СĤРĕРIP°P»С-СГГС,СĤ 11 PrPSC-PI.

РµСĤРsC,Рµ ПĭС-СГР»СЦ П±СГРPrСĤС-СЦРePsC— P· ПĭСĤРsCГРµPrСГРСĤ ПĭСĤРĕСГГРePsСĤРµPSPsPĭPs PĭPĕPĭPµPrPµPSPSCЦ PSPµPsP±С...С-PrPSPs С,P°PеPsP¶ PĭPĕPеPsPSP°С,Рĕ ПĭС-PrC,PIPµСĤPrP¶PµPSPSCЦ СĕP»СЦС...PsPj ПĭСĤРsPĭPµPrPµPSPSCЦ PrPĭPsC... PsPеСĤРµPjPĕС... С,РµСГГС,С-PI P· С-PSC,РµСĤРIP°P»PsPj C%oPsPSP°P№PjPµPSCĕPµ 14 PrPSC-PI С,P° PĭPĕС,СĤРĕРjP°С,Рĕ ПĭРµСĤС-PsPr PsC±С-РeСГРIP°PSPSCЦ С,СĤРĕРIP°P»С-СГГС,СĤ ПĭС-PIC,PsСĤР° РjC-СГГСЦГГС- РjC-Р¶ ПĭРµСĤСĕРĕPj PsC,СĤРĕРjP°PSPSCЦPj СĤРµP·СГР»СĤС,P°С,СГР PĭPĕP·PSP°С±PµPSPSCЦ ПĭP»P°P·PjPsPĭPsC— РePsPSCГРµPSC,СĤР°СГГС-С— PSPĕP¶С±Pµ 0,02 PjPi/P» С,P° P·P°PĭP»С-PrPSPµPSPSCЦPj.

РГ С...PsP»РµСГГС,РĕСĤР°РjC-PS, С- ПĭPsСĤРsCĕРPsPе P°PеC,РĕPĭPsPĭP°PSPsPĭPs PICГРPĭC-Р»P»СЦ ПjPsP¶СГГС,СĤ PĭPĭP»PĕPSCГГС,Рĕ PSP° P°P±СГГРsСĤР±СГГС-СĤ РµСГГС,СĤРsPĭPµPSC-PI С,P° ПĭСĤРsPĭPµСГГС,P°PĭPµPSC-PI С,P°PеPĕPj С±PĕPSPsPj, C%oPs ПĭСĤРĕ P·P°СГГС,PsСГГРPICГРIP°PSPSC- ПĭРµСĤРsСĤР°P»СĤPSPĕС... РePsPSC,СĤР°СГРµPĭC,РĕPIC-PI PjPsP¶Pµ PSPµ ПĭP°СĤР°P°PSC,СГРIP°С,РĕСГГСЦ PSP°PrC-P№PSP° РePsPSC,СĤР°СГРµPĭСГГС-СЦ ПĭС-Pr С±P°СГГР ПĭСĤРsCГРµPrСГРСĤРĕ ПĭСĤРĕСГГРePsСĤРµPSPsPĭPs PĭPĕPĭPµPrPµPSPSCЦ P·P° PrPsPĭPsPjPsPĭPsСĤ С...PsP»РµСГГС,РĕСĤР°РjC-PSCГР P°P±Ps ПĭPsСĤРsCĕРeСГР P°PеC,РĕPĭPsPĭP°PSPsPĭPs PICГРPĭC-Р»P»СЦ. P РµPеPsPjPµPSPPrPsPĭP°PSPs P·P°СГГС,PsСГГРPICГРIP°PSPSCЦ P°P»СĤС,РµСĤРPSP°С,РĕPĭPSPĕС... PjPµC,PsPrC-PI РePsPSC,СĤР°СГРµPĭСГГС-С—.

P”PsPrCáPĭP°PSPSCЦ ПĭСĤСáPrPrСĤ. Pj PrPsСГГР»С-PrP¶PµPSPSCЦС... PSP° С,PIP°СĤРĕPSP°С... P±СГРP»Ps PĭPĕСЦPĭP»PµPSPs РµPеСГГРeСĤРµC,СГРIP°PSPSCЦ С,РµСĤРĕС,,P»СГРPSPsPjC-PrСГР СГР ПĭСĤСГРPrPSPµ PjPsP»PsPеPs. Pj P·PĭPĤ™ СЦP·PеСГР P· СГРPĕPj P¶C-PSPeP°Pj, СЦРeC- ПĭPsPrСГРСĤС,СĤ PrPĕС,РĕPSCГР ПĭСĤСГРPrPSPĕPj PjPsP»PsPеPsPj, PSPµ СГРP»С-Pr P·P°СГГС,PsСГГРPICГРIP°С,Рĕ С,РµСĤРĕС,,P»СГРPSPsPjC-Pr (PrPĕPI. СĤРsP·PrC-P» В«PµСĤРsC,РĕPĭPsPеP°P·P°PSPSCЦB»).

PαPµСĤС,РĕP»СĤPSC-СГГС,СĤ. P РµP·СГРP»СĤС,P°С,Рĕ PrPsСГГР»С-PrP¶PµPSCĤ PSP° С,PIP°СĤРĕPSP°С... PSPµ ПĭСĤРsPrPµPjPsPSCГГС,СĤСГРIP°P»Pĕ PSC-СЦРePsPĭPs PĭPĭP»PĕPICГР ПĭСĤРµPĭP°СĤР°С,СГР PSP° С,,PµСĤС,РĕP»СĤPSC-СГГС,СĤ (PrPĕPI. СĤРsP·PrC-P» В«PαP°СĤРPjP°PеPsP»PsPĭC-С±PSC- PĭP»P°СГГС,РĕPĭPsСГГС,С-B»). PГPsC±P° PIC-PrPĭPsPIC-PrPSPĕС... PrP°PSPĕС... PrP»СЦ П»СĤPrPĕPSPĕ PSPµ PsC,СĤРĕРjСГРIP°P»Pĕ, PSPµ PsC±С-РeСГГС”С,СĤСГГСЦ PSC-СЦРePsPĭPs PĭPĭP»PĕPICГР ПĭСĤРµPĭP°СĤР°С,СГР PSP° С,,PµСĤС,РĕP»СĤPSC-СГГС,СĤ С±PsP»PsPIC-PeC-PI С,P° P¶C-PSPsPе.

P—PrP°С,PSC-СГГС,СĤ PĭPĭP»PĕPĭP°С,Рĕ PSP° СĕPĭPĕPrPеC-СГГС,СĤ СĤРµP°PеСГГС-С— ПĭСĤРĕ РePµСĤСáPĭP°PSPSC- P°PIC,PsC,СĤР°PSCГГРPĭPsСĤС,PsPj P°P±Ps С-PSCĕPĕPjPĕ PjPµC...P°PSC-P·PjP°PjPĕ.

P'PIP»PëPI PíCḡPμPíP°CḡP°C,Cr PḡP±P°PrP¶C-Ps<sup>B®</sup> PSP° P·PrP°C,PSC-CÍC,CH  
PePμCḡCfPIP°C,Pë C,CḡP°PSCÍPíPsCḡC,PSPëPjPë P·P°CÍPsP±P°PjPë C±Pë PíCḡP°C†CḡPIP°C,Pë  
P·C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë PIC-PrCÍCfC,PSC-PNë C±Pë PSPμP·PSP°C±PSPëPNë. PJ  
CḡP°P·C- CḡPsP·PIPëC,PeCf C,P°PePëC... PíPsP±C-C±PSPëC... CḡPμP°PeC†C-PNë, CÍPe  
P·P°PíP°PjPsCḡPsC±PμPSPSCÍ, C%Ps P±CfP»Ps P·P°CḡPμC" CÍC,CḡPsPIP°PSPμ PSP° C,P»C-  
P·P°CÍC,PsCÍCfPIP°PSPSCÍ P»PμC,,P»CfPSPsPjC-PrCf (CÍPíPsP»CfPePë-  
PíPsPíPμCḡPμPrPSPëPeP° C,PμCḡPëC,,P»CfPSPsPjC-PrCf), PjPsP¶Pμ  
PíPsPíC-CḡCëCfPIP°C,PëCÍCÍ P·PrP°C,PSC-CÍC,CH PíP°C†C-C" PSC,P° PrPs  
PePsPSC†PμPSC,CḡP°C†C-C— CÍPIP°PíPë C,P° PSP°P»PμP¶PSPsC— CëPIPëPrPePsCÍC,C-  
CḡPμP°PeC†C-C—. PJ C,P°PePëC... PIPëPíP°PrPeP°C... PíP°C†C-C" PSC,P°Pj CÍP»C-Pr  
CfC,CḡPëPjCfPIP°C,PëCÍCÍ PIC-Pr PePμCḡCfPIP°PSPSCÍ P°PIC,PsC,CḡP°PSCÍPíPsCḡC,PsPj  
C,P° CḡPsP±PsC,Pë P·C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

***PÿPíPsCÍC-P± P·P°CÍC,PsCÍCáPIP°PSPSCÍ C,P° PrPsP·Pë.***

PjCÍC- PSPμPIPëPePsCḡPëCÍC,P°PSC- P»C-PeP°CḡCÍCHPeC- PíCḡPμPíP°CḡP°C,Pë P°P±Ps  
C—C...PSC- P·P°P»PëCëPePë PíC-PrP»CÍPIP°CḡC,CH CÍC,PëP»C-P·P°C†C-C—  
PIC-PrPíPsPIC-PrPSPs PrPs PjC-CÍC†PμPIPëC... PIPëPjPsPi.

P>C-PeCfPIP°PSPSCÍ CÍP»C-Pr CḡPsP·PíPsC±PëPSP°C,Pë C- PíCḡPsPIPsPrPëC,Pë PíC-Pr  
PSP°PíP»CÍPrPsPj P»C-PeP°CḡCÍ, CÍPePëPNë PjP°C" PrPsCÍPIC-Pr P»C-PeCfPIP°PSPSCÍ  
CḡPsP·CÍC-CÍPSPsPiPs CÍPeP»PμCḡPsP·Cf.

P"PsP·CfPIP°PSPSCÍ.

P"PsCḡPsCÍP»C-

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PḡP±P°PrP¶C-Ps<sup>B®</sup> B CÍC,P°PSPsPIPëC,CH 14 PjPi  
PíPμCḡPsCḡP°P»CHPSPs PsPrPëPS CḡP°P· PSP° PrPsP±Cf.

P" C-C,Pë (PIC-PePsPj PIC-Pr 10 CḡPsPeC-PI)

P" P»CÍ PrC-C,PμPNë (PIC-PePsPj PIC-Pr 10 CḡPsPeC-PI) CḡPμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P°  
P·P°P»PμP¶PëC,CH PIC-Pr PjP°CÍPë C,C-P»P°:

-B B B B B B B B B PrC-C,Pë P· PjP°CÍPsCḡ C,C-P»P° > 40 PePi: 14 PjPi PsPrPëPS CḡP°P· PSP°  
PrPsP±Cf,

-B B B B B B B B B PrC-C,Pë P· PjP°CÍPsCḡ C,C-P»P° ≤ 40 PePi: 7 PjPi PsPrPëPS CḡP°P· PSP°  
PrPsP±Cf,

P" C-C,CÍPj, CÍPeC- PrPsCÍCÍPiP»Pë CÍC,P°P±C-P»CHPSPsC— PjP°CÍPë C,C-P»P° PíPsPSP°Pr  
40 PePi, CÍP»C-Pr PíPμCḡPμPNëC,Pë PSP° C,P°P±P»PμC,PeCf 14 PjPi 1 CḡP°P· PSP° PrPsP±Cf.

PÿP°P±P»PμC,PePë PSPμPsP±C...C-PrPSPs PePsPIC,P°C,Pë C†C-P»PëPjPë, P·P°PíPëPIP°CḡC±Pë  
PSPμPIPμP»PëPePsCḡ PeC-P»CHPeC-CÍC,Cḡ PIPsPrPë. PÿP°P±P»PμC,PePë, PíPeCḡPëC,C-  
PíP»C-PIPePsPIPsCḡ PsP±PsP»PsPSPePsCḡ, PjPsP¶PSP° PíCḡPëPNëPjP°C,Pë PSPμP·P°P»PμP¶PSPs  
PIC-Pr PíCḡPëPNëPsPjCf C—P¶C-.

PḡCÍPsP±P»PëPIC- PíCḡCáPíPë PíP°C†C-C" PSC,C-PI.

*PμP°C†C-C" PSC, Pë P»C-C, PSCHPsPiPs PIC-PeCž. PhP±P°PrP¶C-Ps<sup>B®</sup> PSPμPsP±C...C-PrPSPs P-  
PsP±PμC†PμP¶PSC-C†C, C† P†C†PëP·PSP°C†P°C, Pë P†P°C†C-C" PSC, P°Pj PIC-PePsPj  
PIC-PrB B B B 65 C†PμPeC-PI C†PμC†PμP· PSPμPrPsC†C, P°C, PSC-C†C, C† P†P°PSPëC...  
C%PsPrPs P±PμP·P†PμC†PSPsC†C, C- C, P° PμC,, PμPeC, PëPIPSPsC†C, C-  
P·P°C†C, PsC†C†PIP°PSPSC† P†C†PμP†P°C†P°C, C† C†C-PMë P†PsP†C†P»C†C†C-C—  
P†P°C†C-C" PSC, C-PI.*

*PkPëC†PëPsPIP° PSPμPrPsC†C, P°C, PSC-C†C, C†. P†PsC†PμPeC†C-C† P†PsP·Pë P†P»C†  
P†P°C†C-C" PSC, C-PI P· P»PμP†PëPëPj, P†PsPjC-C†PSPëPj P°P±Ps C, C†P¶PëPëPj  
P†PsC†C†C†PμPSPSC†Pj C,, C†PSPeC†C-C— PSPëC†PμPe, C†PëC- PSPμ PsC, C†PëPjC†C†C, C†  
PrC-P°P»C-P·, PSPμ P†PsC, C†C-P±PSP°.*

*PμP°C†C-C" PSC, Pë P· C, C†P¶PëPëPj P†PsC†C†C†PμPSPSC†Pj C,, C†PSPeC†C-C— PSPëC†PμPe,  
C†PëC- PsC, C†PëPjC†C†C, C† PrC-P°P»C-P·, PSPμ PsC†C-PSC†PIP°P»PëC†C†.  
P†PμC†PëC,, P»C†PSPsPjC-Pr P†C†PμC, PëP†PsPeP°P·P°PSPëPμ C†C-PMë P†PsP†C†P»C†C†C-C—  
P†P°C†C-C" PSC, C-PI (PrPëPI. C†PμP·PrC-P» B«PμC†PμC, PëP†PsPeP°P·P°PSPSC†B»).*

*PμPμC†C-PSPePsPIP° PSPμPrPsC†C, P°C, PSC-C†C, C†. P" P»C† P†P°C†C-C" PSC, C-PI P·  
P»PμP†PëPëPj P°P±Ps P†PsPjC-C†PSPëPj P†PsC†C†C†PμPSPSC†Pj C,, C†PSPeC†C-C—  
P†PμC†C-PSPePë PePsC†PμPeC†C-C† P†PsP·Pë P†C†PμP†P°C†P°C, C† PSPμ P†PsC, C†C-P±PSP°.  
P†PμC†PëC,, P»C†PSPsPjC-Pr P†C†PμC, PëP†PsPeP°P·P°PSPëPμ P†P°C†C-C" PSC, P°Pj P·  
C, C†P¶PëPëPj P†PsC†C†C†PμPSPSC†Pj C,, C†PSPeC†C-C— P†PμC†C-PSPePë (PrPëPI.  
C†PμP·PrC-P» B«PμC†PμC, PëP†PsPeP°P·P°PSPSC†B»).*

**P" C-C, Pë.**

*P'PμP·P†PμC†PSC-C†C, C† C, P° PμC,, PμPeC, PëPIPSC-C†C, C† P·P°C†C, PsC†C†PIP°PSPSC†  
P†C†PμP†P°C†P°C, C† PhP±P°PrP¶C-Ps<sup>B®</sup> PrC-C, C†Pj PIC-PePsPj PrPs 10 C†PμPeC-PI PSP°  
PrP°PSPëPμ C†P°C† PSPμ PIC†C, P°PSPsPIP»PμPSP°. P" P°PSC- PIC-PrC†C†C, PSC-.*

**PμPμC†PμPrPsP·CžPIP°PSPSC†.**

*P†PëPjP†C, PsPjPë. P" PsC†PIC-Pr P†PμC†PμPrPsP·C†PIP°PSPSC†  
C, PμC†PëC,, P»C†PSPsPjC-PrC† P°P±Ps P·C†PjPsPIP»PμPSPsC— C†PëPj  
P†C†PμP†P°C†P°C, PsPj C-PSC, PsPeC†PëPëP°C†C-C— P»C†PrPëPSPë  
PIC-PrC†C†C, PSC-PMë. P†PμC†PëC,, P»C†PSPsPjC-Pr C† PrPsP·C- 70 PjPi PSP° PrPsP±C†  
P†C†PëP·PSP°C†P°PIC†C† P†C†PμC, C†P†PμPj 14 PrPSC-PI P·PrPsC†PμP†PëPj  
PrPsP±C†PμP†P°C†P°C— C†PμP°PeC†C-C—  
C†P·P†PsPrP¶C†PIP°P»PëC†C† C-P· P†C†PμC,, C-P»PμPj P±PμP·P†PμC†PSPsC†C, C-  
C, PμC†PëC,, P»C†PSPsPjC-PrC† C† P†P°C†C-C" PSC, C-PI P· C†PμP·C†C-C†PSPëPj  
C†PëP»PμC†PμP·PsPj.*

*P>C-PeC†PIP°PSPSC†. PμC†Pë P·PSP°C†C†C%PsPjC† P†PμC†PμPrPsP·C†PIP°PSPSC- P°P±Ps  
P†C†Pë PSP°C†PIPSPsC†C, C- PsP·PSP°Pe C, PsPeC†PëC†PSPsC†C, C-  
C†PμPePsPjPμPSPPrC†C, C†C†C† P†C†PëPμPsPj C...PsP»PμC†C, PëC†P°PjC-PSC† P°P±Ps  
P°PeC, PëPIPSPsP†Ps PIC†P†C-P»P»C† P†P»C† P†C†PëC†PëPsC†PμPSPSC†  
PIPëPIPμPrPμPSPSC† P†C†PμP†P°C†P°C, C†. P PμPePsPjPμPSPPrPsPIP°PSP° P†C†PμC†PμPrC†C†P°  
PIPëPIPμPrPμPSPSC† P†C†PμP†P°C†P°C, C† P†PsP»C†P†P°C" C† P·P°C†C, PsC†C†PIP°PSPSC-  
C...PsP»PμC†C, PëC†P°PjC-PSC† C† PrPsP·C-B 8 Pi C, C†PëC†C- PSP° PrPsP±C†*



PiC7PsC,CiPiPsPj 11 PrPSC-PI. PiPeC%Ps C+C Ci C7C...PμPjP° PiPsPiP°PSPs  
PiPμC7PμPSPsC7PëC,CHC7C7C PiP°C+C-C" PSC,PsPj, PjPsP¶PSP° P·P°C7C,PsC7PsPIC7PIP°C,Pë  
C...PsP»PμC7C,PëC7P°PjC-PS C7 PrPsP·C- 4 Pi C,C7PëC7C- PSP° PrPsP±C7 PiC7PsC,CiPiPsPj 11  
PrPSC-PI. PiPe P°P»CHC,PμC7PSP°C,PëPIC7, CiPeC%Ps C...PsP»PμC7C,PëC7P°PjC-PS  
PSPμPrPsC7C,C7PiPSPëPñe, C,P°PePsP¶ PjPsP¶PSP° P·P°C7C,PsC7PsPIC7PIP°C,Pë  
P°PeC,PëPIPSP°PSPμ PIC7PiC-P»P»Ci C7 PrPsP·C- 50 Pi PrPIC-C7C- PSP° PrPsP±C7  
PiC7PsC,CiPiPsPj 11 PrPSC-PI. P7C7C-Pj C,PsPiPs, CiPeC%Ps C+Pμ PSPμPsP±C...C-PrPSPs P·  
PiC7PëC7PëPS PiPμC7PμPSPsC7PëPjPsC7C,C-, P·P°C7C,PsC7C7PIP°PSPSCi  
C...PsP»PμC7C,PëC7P°PjC-PS C7 P°P±Ps P°PeC,PëPIPSP°PSPsPiPs PIC7PiC-P»P»Ci PSPμ  
PsP±PsPiP7™ CiP·PePsPiPs PjP°C" PiPëPePsPSC7PIP°C,PëC7Ci PiC7PsC,CiPiPsPj  
PiPsC7P»C-PrPsPiPSPëC... 11 PrPSC-PI (PrPëPI. C7PsP·PrC-P»  
B«PαP°C7PjP°PePsPeC-PSPμC,PëPeP°B»).

**PμPsP±C-C7PSC- C7PμP°PeC7C-C—.**

P PμP·C7PjPμ PiC7PsC,,C-P»C7 P±PμP·PiPμC7PSPsC7C,C-. PkP°PñeP±C-P»CHC€  
C7P°C7C,PëPjPë PiPsP±C-C7PSPëPjPë C7PμP°PeC7C-CiPjPë PiC7Pë PiC7PëPñePsPjC-  
C,PμC7PëC,,P»C7PSPsPjC-PrC7 (C7 PrPsP·C7PIP°PSPSC- 7 PjPi C,P° 14 PjPi) P±C7P»Pë:  
PiPsP»PsPiPSPëPñe P±C-P»CH (17,8 %, 15,7 %), PrC-P°C7PμCi (13,1 %, 13,6 %),  
PiC-PrPIPëC%PμPSPSCi C7C-PIPSCi P7P·P7 (13 %, 15 %), PSC7PrPsC,P° (8 %, 10,7 %) C,P°  
P°P»PsPiPμC7C-Ci (9,8 %, 13,5 %). PiPe PiC7P°PIPëP»Ps, PiPsP»PsPiPSPëPñe P±C-P»CH,  
PrC-P°C7PμCi, PSC7PrPsC,P° C,P° P°P»PsPiPμC7C-Ci PjP°P»Pë P»PμPiPeC7 P°P±Ps  
PiPsPjC-C7PSC7B C,CiP¶PeC-C7C,CH, P±C7P»Pë C,C7P°PSP·PëC,PsC7PSPëPjPë C-  
PSPμC7P°C7C,Ps PiC7PëP·PiPsPrPëP»Pë PrPs PIC-PrPjC-PSPë PiC7PμPiP°C7P°C,C7.

P7PμC7PëC,,P»C7PSPsPjC-Pr C" PsC7PSPsPiPSPëPj PjPμC,P°P±PsP»C-C,PsPj  
P»PμC,,P»C7PSPsPjC-PrC7. PμC7PsC,,C-P»CH P±PμP·PiPμC7PSPsC7C,C-  
P·P°C7C,PsC7C7PIP°PSPSCi P»PμC,,P»C7PSPsPjC-PrC7 C7 PiP°C7C-C" PSC,C-PI P·  
C7PμPiPjP°C,PsC—PrPSPëPj P°C7C,C7PëC,PsPj P°P±Ps PiC7PsC7C-P°C,PëC7PSPëPj  
P°C7C,C7PëC,PsPj PjPsP¶Pμ PIC-PrPiPsPIC-PrP°C,Pë C,P°PePsPjC7 C7 PiP°C7C-C" PSC,C-PI P·  
P P7 PiC7Pë PiC7PëP·PSP°C7PμPSPSC- C,PμC7PëC,,P»C7PSPsPjC-PrC7.

P7P°P±P»PëC7PSPëPñe PiPμC7PμP»C-Pe PiPsP±C-C7PSPëC... C7PμP°PeC7C-Pñe. P7C7CHPsPiPs  
2267 PiP°C7C-C" PSC,C-PI PiC7PëPñePjP°P»Pë C,PμC7PëC,,P»C7PSPsPjC-Pr (1155 B7" PI  
PrPsP·C-B 7 PjPi C- 1112 B7" PI PrPsP·C- 14 PjPi) PsPrPëPS C7P°P· PSP° PrPsP±C7 P·  
PjPμPrC-P°PSPsC7 C,C7PëPIP°P»PsC7C,C- P»C-PeC7PIP°PSPSCi 672 PrPSC- C7 C7P°PjPeP°C...  
4 PiP»P°C7PμP±Ps-PePsPSC,C7PsP»CHPsPiP°PSPëC... PrPsC7P»C-PrP¶PμPSC7 (PrPμ 1045 C-  
1002 PiP°C7C-C" PSC,Pë PiC7PëPñePjP°P»Pë PiC7PμPiP°C7P°C, C7 PrPsP·P°C... 7 PjPi C- 14 PjPi  
PIC-PrPiPsPIC-PrPSPs) C,P° PsPrPSPsPiPs PrPsC7P»C-PrP¶PμPSPSCi P· P°PeC,PëPIPSPëPj  
PePsPSC,C7PsP»PμPj (PiPs 110 PiP°C7C-C" PSC,C-PI C7 PePsP¶PSC-Pñe PiC7C7PiC-  
P»C-PeC7PIP°PSPSCi C,PμC7PëC,,P»C7PSPsPjC-PrPsPj) P·P° C7C7P°C7C,CH PiP°C7C-C" PSC,C-PI  
P· C7PμC7PëPrPëPIPSPëPjPë C,,PsC7PjP°PjPë P P7 (C7PμC7PëPrPëPIC7C7C7PëPñe  
C7PsP·C7C-CiPSPëPñe C7PeP»PμC7PsP·, P P P7).

Pj C,P°P±P»PëC7C- 2 PSP°PiPμPrPμPSPs PiPsP±C-C7PSC- C7PμP°PeC7C-C—,  
P·P°C7PμC7C7C,C7PsPiP°PSC- C7 PrPsC7PsC7P»PëC... PiP°C7C-C" PSC,C-PI, CiPeC-  
PiC7PëPñePjP°P»Pë C,PμC7PëC,,P»C7PSPsPjC-Pr C7 PrPsP·P°C... 7 PjPi P°P±Ps 14 PjPi, C7  
C7P°PjPeP°C... PiP»P°C7PμP±Ps-PePsPSC,C7PsP»CHPsPiP°PSPëC... PrPsC7P»C-PrP¶PμPSC7  
PiC7PμPiP°C7P°C,C7 P7P±P°PrP¶C-Ps<sup>B®</sup> P·P° C7C7P°C7C,CH PrPsC7PsC7P»PëC...



PIPsP»PsCfCfCfCfCfCf, P·PjPµPSC€PµPSPSCfCfCfCfCfCf, PíCfCfCfCfCfCf, PsC, Pë PIPsP»PsCfCfCfCfCfCf, PIC, CŃP°C, Pë PIPsP»PsCfCfCfCfCfCf, P°CfCfCfCfCfCf-PNëPsPIP°PSPsPiPs P·C- P·PjC-PSP°PjPë C, PµPeCfCfCfCfCfCf, CfCŃPë PIPsP»PsCfCfCfCfCfCf P°P±Ps PSPµ P°CfCfCfCfCfCf-PNëPsPIP°PSPsPiPs, CfPíPsCfCfCfCfCfCf, PµCŃPë-PiP°P»P°CfCfCfCfCfCf Cí 13,9 % PíP°CfCfCfCfCfCf-PSC, C-PI, CŃPeC- PsC, CŃPëPjCfPíP°P»Pë C, PµCŃPëC,, P»CfPSPsPjC-Pr Cí PrPsP·C- 14 PjPi, PíPsCŃPë-PIPSCfCfCfCfCfCf P· 5,1 % PíP°CfCfCfCfCfCf-PSC, C-PI, CŃPeC- PsC, CŃPëPjCfPíP°P»Pë PíP»P°CfCfCfCfCfCf Pj P±C-P»CŃPëCfCfCfCfCfCf, C- PIPëPíP°PrPeC-PI P·PjC-PSPë PsPíPëCfCfCfCfCfCfPíP°P»PëCfCfCfCfCfCf CŃPe PrPëC,, CfP·PSC- P°P±Ps PiPµPSPµCŃP°P»C-P·PsPIP°PSC- P· PíPsC€PëCŃPµPSPSCfCfCfCfCfCf Pj PSP° PICfCfCf PIPsP»PsCfPëCfCfCf, Cí C±P°CfCfCfCfCfCf, PëPSCr PiPsP»PsPIPë (PíCŃPs PiPsPIPSPµ PsP±P»PëCfCfCfCfCfCf PSPµ PiPsPIC-PrPsPjP»CŃP»PsCfCfCfCfCfCf), CŃPeC- PSP°PNëC±P°CfCfCfCfCfCf, C-C€Pµ PIPëPSPëPeP°P»Pë PíCŃPsC, CŃPiPsPj PiPµCŃPëC€PëC... 6 PjC-CfCfCfCfCfCf-PI P»C-PeCfPíP°PSPSCfCfCf C, P° CíPíPsPSC, P°PSPSPs P·PSPëPeP°P»Pë PíCŃPë PíCŃPsPrPsPIP°PµPSPSC- P»C-PeCfPíP°PSPSCfCfCf Cí 121 P· 139 (87,1 %) PíP°CfCfCfCfCfCf-PSC, C-PI, CŃPeC- PsC, CŃPëPjCfPíP°P»Pë C, PµCŃPëC,, P»CfPSPsPjC-Pr Cí PrPsP·C-B B B B B 14 PjPi. PŃC-P»CŃPëC-CfCfCf, CŃ PIPëPíP°PrPeC-PI PIC-PrPjC-PSPë PíCŃPµPíP°CŃP°P, Cí Cí P·PíBŃ™ CŃP·PeCf P· P°P»PsPíPµCfCfCfCfCfCf CíCfCfCf, P°PSPsPIPëP°P° 1,3 % Cí PíCŃCfPíC- PíCŃPëPNëPsPjCfCfCf C, PµCŃPëC,, P»CfPSPsPjC-PrCí PI PrPsP·C- 14 PjPi PíPsCŃPë-PIPSCfCfCfCfCfCf P· 0,1 % Cí PíCŃCfPíC- PíP»P°CfCfCfCfCfCf.

P'PíP»PëPI PSP° PíPµC±C-PSPeCá. Pj C...PsPrC- PíP»P°CfCfCfCfCfCf- PePsPSC, CŃPsP»CŃPpsPIP°PSPëC... PrPsCfP»C-PrPµPSCŃ P·P° CíC±P°CfCfCfCfCfCf, CŃ PrPsCŃPpsCfP»PëC... P±CfP»Ps PIPëCŃPIP»PµPSPs:

PŃP°P±P»PëCfCfCfCfCfCf 4

PµC-PrPIPëC%PµPSPSCfCfCf CŃPë-PIPSC-PI PŃP»PŃ (P·P° CŃPµP·CfP»CŃP, P°C, P°PjPë P»P°P±PsCŃP°P, PsCŃPSPëC... PrPsCfP»C-PrPµPSCŃ)B PíPsCŃPë-PIPSCfCfCfCfCfCf P· PíPsC±P°C, PePsPIPëPjPë CŃPë-PIPSCfCfCfCfCfCf: PíPsPíCfP»CŃCfCfCfCfCfCf PrP»CŃ PsCfCfCfCfCfCf P±PµP·PíPµC±PSPsCfCfCf, C- Cí PíP»P°CfCfCfCfCfCf-PePsPSC, CŃPsP»CŃPpsPIP°PSPëC... PrPsCfP»C-PrPµPSPSCfCfCfCfCfCf...		
<b>PµPsPeP°P·PSPëPe CŃPë-PIPSCfCfCf PŃP»PŃ</b>	PµP»P°CfCfCfCfCfCf (N = 997)	PŃPµCŃPëC,, P»CfPSPsPjC-Pr 14 PjPi (N = 1002)
> 3 P'PŃPí	66/994 (6,6 %)	80/999 (8,0 %)
> 5 P'PŃPí	37/994 (3,7 %)	31/999 (3,1 %)
> 10 P'PŃPí	16/994 (1,6 %)	9/999 (0,9 %)
> 20 P'PŃPí	4/994 (0,4 %)	3/999 (0,3 %)
PŃP»PŃ > 3 P'PŃPí C- P·P°PíP°P»CŃPSPëPNë P±C-P»C-CŃPíP±C-PS > 2 P'PŃPí	5/994 (0,5 %)	3/999 (0,3 %)

Pj PíCŃCfPíP°P... PíP°CfCfCfCfCfCf-PSC, C-PI, CŃPeC- PsC, CŃPëPjCfPíP°P»Pë C, PµCŃPëC,, P»CfPSPsPjC-Pr, C±P°CfCfCfCfCfCf, C-C€Pµ, PSC-PŃ Cí PíCŃCfPíP°P... PíP»P°CfCfCfCfCfCf, CŃPíPsCfCfCfCfCfCf, PµCŃPë-PiP°P»PsCfCfCfCfCfCf P»PµPiPePµ PíC-PrPIPëC%PµPSPSCfCfCf CŃPë-PIPSC-PI C, CŃP°PSCfP°PjC-PSP°P·Pë PŃP»PŃ PSP° CŃPë-PIPSC- C, CŃPëPeCŃP°P, PSPsC— P'PŃPí P°P±Ps PSPëPŃC±Pµ. PŃP°CfCfCf, PsC, P° PíC-PrPIPëC%PµPSPSCfCfCf CŃPë-PIPSCfCfCf C±CŃPpsPiPs PíPsPeP°P·PSPëPeP° PIPëC%Pµ C, CŃPëPeCŃP°P, PSPsC— P'PŃPí Cí CŃPë-P·PSPëC... PíCŃCfPíP°P... P»C-PeCfPíP°PSPSCfCfCf P±CfP»P° PíPsPrC-P±PSPsCŃ. PíC- PíC-PrPIPëC%PµPSPSCfCfCf CŃPë-PIPSC-PI C, CŃP°PSCfP°PjC-PSP°P·Pë CŃPíPsCfCfCf, PµCŃPë-PiP°P»PëCfCfCfCfCfCf P»PëC€Pµ Cí PíPµCŃPëC€C- 6 PjC-CfCfCfCfCfCf-PI P»C-PeCfPíP°PSPSCfCfCf C, P° P±CfP»Pë PsP±PsCŃPpsC, PSPëPjPë PíC-CfP»CŃ PIC-PrPjC-PSPë PíCŃPµPíP°CŃP°P, Cí. PŃP°Cí PrPs PIC-PrPSPsPIP»PµPSPSCfCfCf PSPsCŃPjP°P»CŃPSPëC... CŃPë-PIPSC-PI C±CŃPpsPiPs PíPsPeP°P·PSPëPeP° PIP°CŃPë-CŃPIP°PI PIC-Pr PeC-P»CŃPpsC... PjC-CfCfCfCfCfCf-PI PrPs PeC-P»CŃPpsC... CŃPpsPeC-PI.

P'PiP»PëPI PSP° P°CĤC,PμCĤC-P°P»CH̄PSPëPNē C,PëCĪPe. PJ C...PsPrC- PiP»P°C†PμP±Ps-  
PePsPSC,CĤPsP»CH̄PsPIP°PSPëC... PrPsCĪP»C-PrP¶PμPSCĤ P·P° C†C±P°CĪC,CĤ  
PrPsCĤPsCĪP»PëC... PiP°C†C-C" PSC,C-PI P±C†P»Ps PIPëCĪPIP»PμPSPs PSP°CĪC,C†PiPSPμ:

- CĪPëCĪC,PsP»C-C†PSPëPNē P°CĤC,PμCĤC-P°P»CH̄PSPëPNē C,PëCĪPe P±C†PI > 140  
PjPj CĤC,. CĪC,. C† 19,9 % PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë  
C,PμCĤPëC,,P»C†PSPsPjC-Pr C† PrPsP·C- 14 PjPi/PrPsP±C†, PiPsCĤC-PIPSCĪPSPs P· 15,5 %  
PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë PiP»P°C†PμP±Ps;

- CĪPëCĪC,PsP»C-C†PSPëPNē P°CĤC,PμCĤC-P°P»CH̄PSPëPNē C,PëCĪPe P±C†PI > 160  
PjPj CĤC,. CĪC,. C† 3,8 % PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë  
C,PμCĤPëC,,P»C†PSPsPjC-Pr C† PrPsP·C- 14 PjPi/PrPsP±C†, PiPsCĤC-PIPSCĪPSPs P· 2,0 %  
PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë PiP»P°C†PμP±Ps;

- PrC-P°CĪC,PsP»C-C†PSPëPNē P°CĤC,PμCĤC-P°P»CH̄PSPëPNē C,PëCĪPe P±C†PI > 90  
PjPj CĤC,. CĪC,. C† 21,4 % PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë  
C,PμCĤPëC,,P»C†PSPsPjC-Pr C† PrPsP·C- 14 PjPi/PrPsP±C†, PiPsCĤC-PIPSCĪPSPs P· 13,6 %  
PiP°C†C-C" PSC,C-PI, CĪPeC- PsC,CĤPëPjC†PIP°P»Pë PiP»P°C†PμP±Ps.

P†PSC,,PμPeC†C-C—. PJ PiP»P°C†PμP±Ps-PePsPSC,CĤPsP»CH̄PsPIP°PSPëC...  
PrPsCĪP»C-PrP¶PμPSPSCĪC... P·P° C†C±P°CĪC,CĤ PrPsCĤPsCĪP»PëC... PiP°C†C-C" PSC,C-PI  
PSPμ CĪPiPsCĪC,PμCĤC-PiP°P»PsCĪCĪ P·CĤPsCĪC,P°PSPSCĪ C†P°CĪC,PsC,Pë  
CĪPμCĤPNēPsP·PSPëC... C-PSC,,PμPeC†C-PNē PiCĤPë P·P°CĪC,PsCĪC†PIP°PSPSC-  
C,PμCĤPëC,,P»C†PSPsPjC-PrC† 14 PjPi (2,7 %) PiPsCĤC-PIPSCĪPSPs P· PiP»P°C†PμP±Ps (2,2 %).  
PŸPμCĤPNēPsP·PSC- PsPiPsCĤC,C†PSC-CĪC,PëC†PSC- C-PSC,,PμPeC†C-C— PIPëPSPëPeP»Pë C†  
0,2 % PiP°C†C-C" PSC,C-PI C† PePsP¶PSC-PNē PiCĤC†PiC-. PJ  
PiC-CĪP»CĪCĤPμC" CĪC,CĤP°C†C-PNēPSPëPNē PiPμCĤC-PsPr PiPsPIC-PrPsPjP»CĪP»PsCĪCĪ  
PiCĤPs PIPëPiP°PrPePë C,CĪP¶PePëC... C-PSC,,PμPeC†C-PNē, PI C,PsPjC† C†PëCĪP»C-  
CĪPμPiCĪPëCĪC†, CĪPePëPNē C-PSPsPrC- P±C†PI P»PμC,P°P»CH̄PSPëPj.

P'PiP»PëPI PSP° PeCĤPsPIPsC,PIPsCĤPμPSPSCĪ. PJ C...PsPrC- PiP»P°C†PμP±Ps-  
PePsPSC,CĤPsP»CH̄PsPIP°PSPëC... PrPsCĪP»C-PrP¶PμPSCĤ P·P° C†C±P°CĪC,CĤ  
PrPsCĤPsCĪP»PëC... PiP°C†C-C" PSC,C-PI PSP° C,P»C- P·P°CĪC,PsCĪC†PIP°PSPSCĪ  
PiCĤPμPiP°CĤP°C,C† PĥP±P°PrP¶C-Ps<sup>B</sup> CĪPiPsCĪC,PμCĤC-PiP°P»PsCĪCĪ P·PSPëP¶PμPSPSCĪ  
PeC-P»CH̄PePsCĪC,C- P»PμPNēPePsC†PëC,C-PI C† PeCĤPsPIC- (PI CĪPμCĤPμPrPSCĤPsPjC†  
PSP°B B < 15 % PIC-Pr PiPsC†P°C,PePsPIPëC... CĤC-PIPSC-PI, PiPμCĤPμPiP°P¶PSPs P·P°  
CĤP°C...C†PSPsPe P·PSPëP¶PμPSPSCĪ CĤC-PIPSC-PI PSPμPNēC,CĤPsC,,C-P»C-PI C,P°  
P»C-PjC,,PsC†PëC,C-PI), C...PsC±P° C† PrPμCĪPePëC... PiP°C†C-C" PSC,C-PI  
PIC-PrP·PSP°C†P°P»PsCĪCĪ P±C-P»CH̄C€ PIPëCĤP°P¶PμPSPμ P·PSPëP¶PμPSPSCĪ C†CH̄PsPiPs  
PiPsPeP°P·PSPëPeP°. PiPμ P·PSPëP¶PμPSPSCĪ CĪPμCĤPμPrPSC-C... CĤC-PIPSC-PI  
P»PμPNēPePsC†PëC,C-PI PiPsCĤC-PIPSCĪPSPs P· PiPsC†P°C,PePsPIPëPjPë  
P·PSP°C†PμPSPSCĪPjPë PIC-PrP±C†PIP°P»PsCĪCĪ PiC-Pr C†P°CĪ PiPμCĤC€PëC... 6  
C,PëP¶PSC-PI P»C-PeC†PIP°PSPSCĪ PiCĤPμPiP°CĤP°C,PsPj, PiC-CĪP»CĪ C†PsPiPs P· C†P°CĪPsPj  
CĪC,P°P±C-P»C-P·C†PIP°P»PsCĪCĪ PiCĤPë PiCĤPsPrPsPIP¶PμPSPSC- PiCĤPëPNēPsPjC†  
PiCĤPμPiP°CĤP°C,C†, P°P»Pμ PSP° P±C-P»CH̄C€ PSPëP·CH̄PePëC... CĤC-PIPSCĪC... (PjPμPSC€  
PSC-P¶ PSP° 15 % PSPëP¶C†Pμ PIC-Pr PIPëC...C-PrPSPëC... CĤC-PIPSC-PI). P'PiP»PëPI PSP°  
PIPjC-CĪC, PμCĤPëC,CĤPsC†PëC,C-PI (< 2 %) C- C,CĤPsPjP±PsC†PëC,C-PI (< 10 %) P±C†PI  
PjPμPSC€ PIPëCĤP°P¶PμPSPëPNē.

PμPμCĤPëC,,PμCĤPëC†PSP° PSPμPNēCĤPsPiP°C,C-CĪ. PJ C...PsPrC- PiP»P°C†PμP±Ps-  
PePsPSC,CĤPsP»CH̄PsPIP°PSPëC... PrPsCĪP»C-PrP¶PμPSCĤ P·P° C†C±P°CĪC,CĤ  
PrPsCĤPsCĪP»PëC... C† PiP°C†C-C" PSC,C-PI, CĪPeC- PiCĤPëPNēPjP°P»Pë

C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-Pr, C<sub>±</sub>P°C<sub>r</sub>C, C-C<sub>e</sub>P<sub>μ</sub>, PSC-P<sub>¶</sub> C<sub>r</sub> P<sub>i</sub>P°C<sub>†</sub>C-C" PSC, C-PI, C<sub>¶</sub>PeC-  
P<sub>i</sub>C<sub>h</sub>P<sub>e</sub>PN<sub>e</sub>PjP°P»P<sub>e</sub> P<sub>i</sub>P»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps, C<sub>r</sub>P<sub>i</sub>PsC<sub>r</sub>C, P<sub>μ</sub>CT<sub>h</sub>C-PiP°P»P<sub>e</sub>C<sub>r</sub>C<sub>¶</sub> PIP<sub>e</sub>PiP°PrPeP<sub>e</sub>  
P<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C<sub>±</sub>PSPsC— PSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C—, C<sub>r</sub> C, PsPjC<sub>r</sub> C<sub>±</sub>P<sub>e</sub>C<sub>r</sub>P»C- C<sub>¶</sub>Pe  
P<sub>i</sub>PsP»C-PSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C—, C, P°Pe C- PjPsPSPsPSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C—  
(PSP°PiCT<sub>h</sub>P<sub>e</sub>PeP»P°Pr, C, C<sub>r</sub>PSP<sub>μ</sub>P»CH<sub>h</sub>PSP<sub>e</sub>PN<sub>e</sub> C<sub>r</sub>P<sub>e</sub>PSPPrCT<sub>h</sub>PsPj P·P°Pib<sub>h</sub><sup>™</sup> C<sub>¶</sub>C<sub>r</sub>C, C<sub>¶</sub>). Pj  
P<sub>±</sub>P°P·PsPIP<sub>e</sub>C... PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps-PePsPSC, CT<sub>h</sub>PsP»CH<sub>h</sub>PsPIP°PSP<sub>e</sub>C...  
PrPsC<sub>r</sub>P»C-PrP<sub>¶</sub>P<sub>μ</sub>PSPSC<sub>¶</sub>C... C<sub>±</sub>P°C<sub>r</sub>C, PsC, P° CT<sub>h</sub>PsP·PIP<sub>e</sub>C, PeC<sub>r</sub> PiP<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C<sub>±</sub>PSPsC—  
PSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C—, PiC-PrC, PIP<sub>μ</sub>CT<sub>h</sub>PrP<sub>¶</sub>P<sub>μ</sub>PSPsC— PsC<sub>†</sub>C-PSPePsC<sub>h</sub> PSP<sub>μ</sub>CT<sub>h</sub>PIP<sub>s</sub>PIP<sub>s</sub>C—  
PiCT<sub>h</sub>PsPIC-PrPSPsC<sub>r</sub>C, C-, C<sub>r</sub>C, P°PSPsPIP<sub>e</sub>P»P°B 1,9 % (17 PiP°C<sub>†</sub>C-C" PSC, C-PI P· 898) PiCT<sub>h</sub>P<sub>e</sub>  
P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC- C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub> PrPsP·C- 14 PjPiB  
PiPsCT<sub>h</sub>C-PIPSC<sub>¶</sub>PSPs P· 0,4 % (4 PiP°C<sub>†</sub>C-C" PSC, P<sub>e</sub> P· 898) PiCT<sub>h</sub>P<sub>e</sub> P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC-  
PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps. P<sub>y</sub>P<sub>μ</sub>CT<sub>h</sub>P°PiC-C<sub>h</sub> P<sub>±</sub>C<sub>r</sub>P»Ps PIC-PrPjC-PSP<sub>μ</sub>PSPs C<sub>r</sub> 5 PiP°C<sub>†</sub>C-C" PSC, C-PI P·  
PiP<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C<sub>±</sub>PSPsC<sub>h</sub> PSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C" C<sub>h</sub>, C<sub>¶</sub>PeC- PsC, CT<sub>h</sub>P<sub>e</sub>PjC<sub>r</sub>PIP°P»P<sub>e</sub>  
C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-Pr C<sub>r</sub> PrPsP·C- 14 PjPi. Pj 4 P· C<sub>†</sub>P<sub>e</sub>C... PiP°C<sub>†</sub>C-C" PSC, C-PI  
PiP<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C<sub>±</sub>PSP° PSP<sub>μ</sub>PN<sub>e</sub>CT<sub>h</sub>PsP<sub>i</sub>P°C, C-C<sub>¶</sub> P·PSP<sub>e</sub>PeP°P»P° PiC-C<sub>r</sub>P»C<sub>¶</sub>  
PiCT<sub>h</sub>P<sub>e</sub>PiP<sub>e</sub>PSP<sub>μ</sub>PSPSC<sub>¶</sub> P»C-PeC<sub>r</sub>PIP°PSPSC<sub>¶</sub>.

P°PsP<sub>±</sub>CT<sub>h</sub>PsC<sub>¶</sub>PeC-C<sub>r</sub>PSC-, P·P»PsC<sub>¶</sub>PeC-C<sub>r</sub>PSC- C, P° PSP<sub>μ</sub>C<sub>z</sub>C, PsC<sub>±</sub>PSP<sub>μ</sub>PSC-  
PSPsPIP<sub>s</sub>C<sub>z</sub>C, PIPsCT<sub>h</sub>P<sub>μ</sub>PSPSC<sub>¶</sub> (C<sub>z</sub> C., C<sub>z</sub>. PeC-C<sub>r</sub>C, P<sub>e</sub> C, P° PiPsP»C-PiP<sub>e</sub>). P—P°  
CT<sub>h</sub>P<sub>μ</sub>P·C<sub>r</sub>P»CH<sub>h</sub>C, P°C, P°PjP<sub>e</sub> PrPsC<sub>r</sub>PIC-PrC<sub>r</sub> P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC<sub>¶</sub>  
C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub> CT<sub>h</sub>P°PjPeP°C... PeP»C-PSC-C<sub>±</sub>PSP<sub>e</sub>C...  
PrPsC<sub>r</sub>P»C-PrP<sub>¶</sub>P<sub>μ</sub>PSC<sub>h</sub> PSP<sub>μ</sub> P<sub>±</sub>C<sub>r</sub>P»Ps PIP<sub>e</sub>C<sub>¶</sub>PIP»P<sub>μ</sub>PSPs PiC-PrPIP<sub>e</sub>C%P<sub>μ</sub>PSPSC<sub>¶</sub>  
CT<sub>h</sub>P<sub>e</sub>P·P<sub>e</sub>PeC<sub>r</sub> CT<sub>h</sub>PsP·PIP<sub>e</sub>C, PeC<sub>r</sub> P·P»PsC<sub>¶</sub>PeC-C<sub>r</sub>PSP<sub>e</sub>C... P·P°C...PIP<sub>s</sub>CT<sub>h</sub>CT<sub>h</sub>PIP°PSC<sub>h</sub>.  
P P<sub>e</sub>P·P<sub>e</sub>Pe CT<sub>h</sub>PsP·PIP<sub>e</sub>C, PeC<sub>r</sub> P·P»PsC<sub>¶</sub>PeC-C<sub>r</sub>PSP<sub>e</sub>C... P·P°C...PIP<sub>s</sub>CT<sub>h</sub>CT<sub>h</sub>PIP°PSC<sub>h</sub>,  
PsC<sub>r</sub>PsP<sub>±</sub>P»P<sub>e</sub>PIPs P»C-PjC,, PsPiCT<sub>h</sub>PsP»C-C,, P<sub>μ</sub>CT<sub>h</sub>P°C, P<sub>e</sub>PIPsP<sub>e</sub>C... CT<sub>h</sub>PsP·P»P°PrC-PI,  
P·P<sub>±</sub>C-P»CH<sub>h</sub>C<sub>e</sub>C<sub>r</sub>PIP°PIC<sub>r</sub>C<sub>¶</sub> PiCT<sub>h</sub>P<sub>e</sub> P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC- PrP<sub>μ</sub>C<sub>¶</sub>PeP<sub>e</sub>C... C-PSC<sub>e</sub>P<sub>e</sub>C...  
P·P°C<sub>r</sub>PsP<sub>±</sub>C-PI, C%Ps PIPiP»P<sub>e</sub>PIP°C<sub>h</sub>C, CH<sub>h</sub> PSP° C-PjC<sub>r</sub>PSPSC<sub>r</sub> C<sub>r</sub>P<sub>e</sub>C<sub>r</sub>C, P<sub>μ</sub>PjC<sub>r</sub> (P<sub>μ</sub>C,, P<sub>μ</sub>PeC,  
PeP»P°C<sub>r</sub>C<sub>r</sub> P»C-PeP°CT<sub>h</sub>C<sub>r</sub>CH<sub>h</sub>PeP<sub>e</sub>C... P·P°C<sub>r</sub>PsP<sub>±</sub>C-PI).

P<sub>y</sub>C<sub>¶</sub>PeC- C<sub>e</sub>PeC-CT<sub>h</sub>PSC- CT<sub>h</sub>P<sub>μ</sub>P°PeC<sub>†</sub>C-C—. Pj PiC-C<sub>r</sub>P»C<sub>¶</sub>CT<sub>h</sub>P<sub>μ</sub>C" C<sub>r</sub>C, CT<sub>h</sub>P°C<sub>†</sub>C-PN<sub>e</sub>PSP<sub>e</sub>PN<sub>e</sub>  
PiP<sub>μ</sub>CT<sub>h</sub>C-PsPr PiPsPIC-PrPsPjP»C<sub>¶</sub>P»PsC<sub>r</sub>C<sub>¶</sub> PiCT<sub>h</sub>Ps PIP<sub>e</sub>PiP°PrPeP<sub>e</sub> CT<sub>h</sub>PsP·PIP<sub>e</sub>C, PeC<sub>r</sub>  
C, C<sub>¶</sub>PeC... C<sub>e</sub>PeC-CT<sub>h</sub>PSP<sub>e</sub>C... CT<sub>h</sub>P<sub>μ</sub>P°PeC<sub>†</sub>C-PN<sub>e</sub> PSP° C, P»C- P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC<sub>¶</sub>  
C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> (PrP<sub>e</sub>PI. CT<sub>h</sub>PsP·PrC-P» B«P<sub>h</sub>C<sub>r</sub>PsP<sub>±</sub>P»P<sub>e</sub>PIPsC<sub>r</sub>C, C-  
P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC<sub>¶</sub>B»).

*P<sub>h</sub>C<sub>r</sub>C, P<sub>μ</sub>PSC-C<sub>¶</sub>*

Pj PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps-PePsPSC, CT<sub>h</sub>PsP»CH<sub>h</sub>PsPIP°PSP<sub>e</sub>C... PrPsC<sub>r</sub>P»C-PrP<sub>¶</sub>P<sub>μ</sub>PSPSC<sub>¶</sub>C... P·P°  
C<sub>r</sub>C<sub>±</sub>P°C<sub>r</sub>C, C<sub>h</sub> PrPsCT<sub>h</sub>PsC<sub>r</sub>P»P<sub>e</sub>C... PiP°C<sub>†</sub>C-C" PSC, C-PI C<sub>±</sub>P°C<sub>r</sub>C, PsC, P° P°C<sub>r</sub>C, P<sub>μ</sub>PSC-C—  
C<sub>r</sub>C, P°PSPsPIP<sub>e</sub>P»P° 2,0 %, 1,6 % C- 2,2 % C<sub>r</sub> PiCT<sub>h</sub>C<sub>r</sub>PiP°C... P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC<sub>¶</sub>  
PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps, C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> 7 PjPi C, P° C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> 14  
PjPi PIC-PrPiPsPIC-PrPSPs.

*P<sub>μ</sub>C<sub>r</sub>PsCT<sub>h</sub>C-P°P·*

Pj PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps-PePsPSC, CT<sub>h</sub>PsP»CH<sub>h</sub>PsPIP°PSP<sub>e</sub>C... PrPsC<sub>r</sub>P»C-PrP<sub>¶</sub>P<sub>μ</sub>PSPSC<sub>¶</sub>C...  
C<sub>±</sub>P°C<sub>r</sub>C, PsC, P° PiC<sub>r</sub>PsCT<sub>h</sub>C-P°P·C<sub>r</sub> C<sub>r</sub>C, P°PSPsPIP<sub>e</sub>P»P° 0,3 %, 0,3 % C, P° 0,4 % C<sub>r</sub>  
PiCT<sub>h</sub>C<sub>r</sub>PiP°C... P·P°C<sub>r</sub>C, PsC<sub>r</sub>C<sub>r</sub>PIP°PSPSC<sub>¶</sub> PiP»P°C<sub>†</sub>P<sub>μ</sub>P<sub>±</sub>Ps, C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub>  
PrPsP·C- 7 PjPi C, P° C, P<sub>μ</sub>CT<sub>h</sub>P<sub>e</sub>C,, P»C<sub>r</sub>PSPsPjC-PrC<sub>r</sub> C<sub>r</sub> PrPsP·C- 14 PjPi PIC-PrPiPsPIC-PrPSPs.

*P<sub>μ</sub>PsCT<sub>h</sub>C<sub>z</sub>C<sub>e</sub>P<sub>μ</sub>PSPSC<sub>¶</sub> P· P<sub>±</sub>PsPeC<sub>z</sub> C<sub>e</sub>P»C<sub>z</sub>PSPePsPIP<sub>s</sub>-PeP<sub>e</sub>C<sub>e</sub>PePsPIP<sub>s</sub>PiPs C, CT<sub>h</sub>P°PeC, C<sub>z</sub>*

P' PiC-CrP»CjCtPmC"CrC,CtP°CtC-PN°PSPePN° PiPmCtP-C-PsPr P»C-PeCrPIP°PSPSCj C,PmCtPëC,,P»CrPSPsPjC-PrPsPj PiCtPps PiP°PSPeCtPmP°C,PëC, Cr PrPsCtPpsCrP»PëC... PiPsPIC-PrPsPjP»CjP»PsCrCj CtP-C-PrPePs, P·PsPeCtPmPjP° PiCtPps PiPëPiP°PrPePë PSPmPeCtPpsC,PëP·CrCtCtPsPiPs PiP°PSPeCtPmP°C,PëC,Cr C,P° PiCrPmPiPrPsPeC-CrC,Pë PiC-PrCëP»CrPSPePsPiPsC— P·P°P»PsP·Pë. P—P°C...PiPsCtPctPPIP°PSPSCj PiC-PrCëP»CrPSPePsPiPsC— P·P°P»PsP·Pë PjPsP¶CrC,Ch PiPëPSPëPePSCrC,Pë P±CrPrCh-PePsP»Pë PiC-Pr CtP°Cr P»C-PeCrPIP°PSPSCj C,PmCtPëC,,P»CrPSPsPjC-PrPsPj; PiPsPSPë PjPsP¶CrC,Ch PiCtPëP·PiPmCrC,Pë PrPs PiPsCrPiC-C,P°P»C-P·P°CtC-C— C,P°/P°P±Ps PiPëPjP°PiP°C,Pë PePsCtPëPiCrPIP°P»ChPSPsPiPs P»C-PeCrPIP°PSPSCj.

P"C-C,Pë

PÿPiPsCrC,C,PmCtPmP¶CrPIP°PSPëPN° PiCtPpsC,,C-P»Ch P±PmP·PiPmPePë Cr PrC-C,PmPN° (PIC-PePsPj PIC-Pr 10 PrPs 17 CtPpsPeC-PI), CjPeC- PsC,CtPëPjCrPIP°P»Pë C,PmCtPëC,,P»CrPSPsPjC-Pr C°PsPrPSCj, P·P°PiP°P»PsPj P±CrPI PiPsPrC-P±PSPëPj PrPs C,P°PePsPiPs, C°Ps CrPiPsCrC,C,PmCtP-C-PiP°PICrCj Cr PrPsCtPpsCrP»PëC... PiP°CtC-C"PSC,C-PI. PhPrPSP°Pe Cr PrPsCrP»C-PrP¶PmPSPSC- P·P° CrCtP°CrC,Ct PrC-C,PmPN° (166 PiP°CtC-C"PSC,C-PI: 109 Bt " Cr PiCtCrPiC- C,PmCtPëC,,P»CrPSPsPjC-PrCr C,P° 57 Bt " Cr PiCtCrPiC- PiP»P°CtPmP±Ps) PiPëPiP°PrPePë PiP°PSPeCtPmP°C,PëC,Cr P±CrP»Pë P·P°CtPmC"CrC,CtPpsPiP°PSC- Cr 1,8 % (2/109) PiP°CtC-C"PSC,C-PI, CjPeC- PsC,CtPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSCj C,PmCtPëC,,P»CrPSPsPjC-PrPsPj, C,PsPrC- CjPe Cr PiCtCrPiC- PiP»P°CtPmP±Ps Bt " P¶PsPrPSPsPiPs Cr PiPsPrPIC-PN°PSPs CrP»C-PiC-PN° C,,P°P·C-. PhPrPSP° P· CtPëC... PiPsPrC-PN° PiCtPëP·PiPmP»P° PrPs PiPsCrPiC-C,P°P»C-P·P°CtC-C— C,P° PiPëPjP°PiP°P»P° PePsCtPëPiCrPIP°P»ChPSPsPiPs P»C-PeCrPIP°PSPSCj. Pj PiP°CtC-C"PSC,C-PI PrPëC,CjCtPsPiPs PIC-PeCr, CjPeC- PsC,CtPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSCj C,PmCtPëC,,P»CrPSPsPjC-PrPsPj PSP° PIC-PrPeCtPëC,PsPjCr PmC,P°PiC- PrPsCrP»C-PrP¶PmPSPSCj, PiPsPIC-PrPsPjP»CjP»PsCrCj C°Pm PiCtPps 2 PiPëPiP°PrPePë PiP°PSPeCtPmP°C,PëC,Cr (PsPrPëPS PiPsPIC-PrPsPjP»CjPICrCj CjPe CrPmCtPmPsP·PSP° PiPsPrC-Cj, C-PSCëPëPN° Bt " PSPmCrPmCtPmPsP·PSP° PiPsPrC-Cj P»PmPiPePsC— C-PSC,PmPSCrPëPiPSPsCrC,C-) C,P° PsPrPëPS PiPëPiP°PrPsPe CrPmCtPmPsP·PSPsPiPs PiPsCrC,CtPpsPiPs PiP°PSPeCtPmP°C,PëC,Cr (P· PiCrPmPiPrPsPiP°PiC-P»PsPjPsCt). Pj PrPiPsC... C-P· CtPëC... 3 PiP°CtC-C"PSC,C-PI PiP°PSPeCtPmP°C,PëC, PiCtPëP·PIC-PI PrPs PiPsCrPiC-C,P°P»C-P·P°CtC-C— P»P»C-PSC-CtPSC- CrPëPjPiC,PsPjPë PiPeP»CtCtP°P»Pë P±C-P»Ch Cr P¶PëPiPsC,C-, PSCrPrPsC,Cr C,P°/P°P±Ps P±P»CtPPIP°PSPSCj, P° C,P°PePsP¶ CtC- PiP°CtC-C"PSC,Pë PjP°P»Pë PiC-PrPiPëC°PmPSC- CtP-C-PIPSC- P°PjC-P»P°P·Pë C,P° P»C-PiP°P·Pë Pi CrPëCtPpsPiP°C,CtC- PeCtPpsPIC-. PjCrC- PiP°CtC-C"PSC,Pë PsPrCrP¶P°P»Pë PiC-CrP»Cj PiCtPëPiPëPSPmPSPSCj P»C-PeCrPIP°PSPSCj C,P° PiCtPpsPiPmPrPmPSPSCj PiCtPëCrPePsCtPmPSPsC— PiCtPpsCtPmPrCrCtPë PiPëPiPmPrPmPSPSCj PiCtPmPiP°CtP°C,Cr (PrPëPi. CtPpsP·PrC-P» B«PhCrPsP±P»PëPiPsCrC,C- P·P°CrC,PsCrCrPIP°PSPSCjB») C- PePsCtPëPiCrPIP°P»ChPSPsC— C,PmCtP°PiC-C—.

PkPmP±P°P¶P°PSC- CjPiPëC°P°, CjPeC- CtPmC"CrC,CtCrPIP°P»PëCrCj CtP°CrC,C-CëPm Cr PrC-C,PmPN°, PSC-P¶ Cr PrPsCtPpsCrP»PëC...:

BtÿB B B B B B B B PmCtPps P°P»PsPiPmCtC-Ct PiPsPIC-PrPsPjP»CjP»PsCrCj Cr 22,0 % PiP°CtC-C"PSC,C-PI, CjPeC- PsC,CtPëPjCrPIP°P»Pë C,PmCtPëC,,P»CrPSPsPjC-Pr, Cr PiPsCtP-C-PIPSCjPSPSC- P· 12,3 % Cr PiP°CtC-C"PSC,C-PI, CjPeC- PsC,CtPëPjCrPIP°P»Pë PiP»P°CtPmP±Ps.

BtÿB B B B B B B B PtPSC,,PmPeCtC-C— P±CrP»Pë P·P°CtPmC"CrC,CtPpsPiP°PSC- Cr 66,1 % PiP°CtC-C"PSC,C-PI, CjPeC- PsC,CtPëPjCrPIP°P»Pë C,PmCtPëC,,P»CrPSPsPjC-Pr, Cr

PiPsC7C-PIPSCiPSPSC- P· 45,6 % PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë  
PiP»P°CtPµP±Ps. PÿPµC7PµPr PSPëC... C±P°CtC,C-CëPµ PiPsPIC-PrPsPjP»C7P»PsCtC7C PiC7Ps  
PSP°P·PsC,,P°C7PePSPiC-C, C,P° C-PSC,,PµPeCtC-C— PIPµC7C...PSC-C...  
PrPëC...P°P»CHPSPëC... CëP»C7C...C-PI PSP° C,P»C- P·P°CtC,PsCtC7PPIP°PSPSC7C  
C,PµC7PeC,,P»CrPSPsPjC-PrCr.

в7ÿB B B B B B B B B PµC7Ps PiC-PrPIPëC%oPµPSPSC7C P7PαP7  
PiPsPIC-PrPsPjP»C7P»PsCtC7C Cr 5,5 % PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë  
C,PµC7PeC,,P»CrPSPsPjC-Pr, Cr PiPsC7C-PIPSCiPSPSC- P· 0 % Cr PiP°CtC-C"psc,c-pi, ciPeC-  
PsC,ChPePjCrPIP°P»Pë PiP»P°CtPµP±Ps. P' C-P»CHCëC-CtC,Ch PIPëPiP°PrPeC-PI P±CrP»Pë  
PiPsPiB7™ C7P·P°PSC- C-P· P·P°PrPsPeCrPjPµPSC,PsPIP°PSPsC7 C,,C-P·PëC±PSPsC7  
P°PeC,PëPIPSC-CtC,C7.

в7ÿB B B B B B B B B PµP°C7PµCtC,PµP·C-C7C7CtC7C,PµC7C-PiP°P»P°CtC7C Cr 11,0 %  
PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë C,PµC7PeC,,P»CrPSPsPjC-Pr, PI  
PiPsC7C-PIPSCiPSPSC- P· 1,8 % Cr PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë  
PiP»P°CtPµP±Ps.

в7ÿB B B B B B B B B P' C-P»CH Cr P¶PëPIPSc,C- CtPiPsCtC,PµC7C-PiP°PICtC7C Cr 11,0 %  
PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë C,PµC7PeC,,P»CrPSPsPjC-Pr, Cr  
PiPsC7C-PIPSCiPSPSC- P· 1,8 % Cr PiP°CtC-C"psc,c-pi, ciPeC- PsC,ChPePjCrPIP°P»Pë  
PiP»P°CtPµP±Ps.

PµPsPIC-PrPsPjP»PµPSPSC7C PiC7Ps PiC-PrPsP·C7C7PIP°PSC- PiPsP±C-C±PSC-  
C7PµP°PeCtC-C—

PµPsPIC-PrPsPjP»PµPSPSC7C PiC7Ps PiPsP±C-C±PSC- C7PµP°PeCtC-C— PiC-CtP»C7C  
C7PµC"tC,C7P°P°CtC-C— P»C-PeP°C7CtC7C7PePsPiPs P·P°CtPsP±Cr PjP°C"  
PIP°P¶P»PëPIPµ P·PSP°C±PµPSPSC7C. P|Pµ PrP°C" P·PjPsPiCr PiC7PsPIPPrPëC,Pë  
PjPsPSC-C,PsC7PePSPi CtPiC-PIPIC-PrPSPsCëPµPSPSC7C PePsC7PeCtC,Ch/C7PeP·PëPe  
PiC7Pe P·P°CtC,PsCtC7PPIP°PSPSC- CtChPsPiPs P»C-PeP°C7CtC7C7PePsPiPs  
P·P°CtPsP±Cr. P7PµPrPëC±PSPëPj C,P° C,,P°C7PjP°P°CtPµPIC,PëC±PSPëPj  
PiC7P°P°CtC-PIPSPëPeP°Pj, P° C,P°PePsP¶ PiP°CtC-C"psc,p°Pj P°P±Ps C—C...PSC-Pj  
P·P°PePsPSPSPëPj PiC7PµPrCtC,P°PIPSPëPeP°Pj CtP»C-Pr PiPsPIC-PrPsPjP»C7C,Pë  
PiC7Ps CrCtC- PIPëPiP°PrPePë PiC-PrPsP·C7C7PIP°PSPëC... PiPsP±C-C±PSPëC...  
C7PµP°PeCtC-PNë C,P° PIC-PrCtC7C,PSPsCtC,C- PµC,,PµPeC,PëPIPSPsCtC,C-  
P»C-PeP°C7CtC7C7PePsPiPs P·P°CtPsP±Cr C±PµC7PµP· P°PIC,PsPjP°C,PëP·PsPIP°PSCr  
C-PSC,,PsC7PjP°P°CtC-PNëPSCr CtPëCtC,PµPjCr P· C,,P°C7PjP°PePsPSP°PiP»C7P7Cr P·P°  
PiPsCtPëP»P°PSPSC7C7Pj: <https://aisf.dec.gov.ua>.

**PÿPµC7PjC-PS PiC7PePrP°C,PSPsCtC,C-**. 3 C7PsPePë.

**PjPjPsPIPë P·P±PµC7C-PiP°PSPSC7C.** P—P±PµC7C-PiP°C,Pë Cr PSPµPrPsCtC,CrPiPSPsPjCr  
PrP»C7C PrC-C,PµPNë PjC-CtCtC-. PkPµ PiPsC,C7PµP±CrC" CtPiPµCtC-P°P»CHPSPëC... CrPjPsPi  
P·P±PµC7C-PiP°PSPSC7C.

**PJPiP°PePsPIPeP°.**

P°P»CII PrPsP·CfPIP°PSPSCII PìPsB 7 PjPi:

B,,- 28 (14x2): PìPs 14 C,P°P±P»PµC,PsPe, PIPeCḡPëC,PëC... PìP»C-PIPePsPIPsCḡ  
PsP±PsP»PsPSPePsCḡ, Cí P±P»C-CÍC,PµCḡC- P· P°P»CḡPjC-PSC-Cḡ; PìPs 2  
P±P»C-CÍC,PµCḡPë PIPeP»P°PrPµPSPs PI CíPìP°PePsPIPeCí C,PëPìCí PiP°PjP°PSC†CII;  
PìPs 1 CíPìP°PePsPIC†C-B C,PëPìCí PiP°PjP°PSC†CII B PIPeP»P°PrPµPSPs PIB  
PeP°CḡC,PsPSPSCí PePsCḡPsP±PeCí.

-

P°P»CII PrPsP·CfPIP°PSPSCII PìPs 14 PjPi:

B,,- 28 (14x2): PìPs 14 C,P°P±P»PµC,PsPe, PIPeCḡPëC,PëC... PìP»C-PIPePsPIPsCḡ  
PsP±PsP»PsPSPePsCḡ, Cí P±P»C-CÍC,PµCḡC- P· P°P»CḡPjC-PSC-Cḡ; PìPs 2  
P±P»C-CÍC,PµCḡPë PIPeP»P°PrPµPSPs PI CíPìP°PePsPIPeCí C,PëPìCí PiP°PjP°PSC†CII; PìPs 1  
CíPìP°PePsPIC†C-B C,PëPìCí PiP°PjP°PSC†CII B PIPeP»P°PrPµPSPs PIB PeP°CḡC,PsPSPSCí  
PePsCḡPsP±PeCí.

B,,- 84 (14x6): PìPs 14 C,P°P±P»PµC,PsPe, PIPeCḡPëC,PëC... PìP»C-PIPePsPIPsCḡ  
PsP±PsP»PsPSPePsCḡ, PI P±P»C-CÍC,PµCḡC- P· P°P»CḡPjC-PSC-Cḡ; PìPs 2  
P±P»C-CÍC,PµCḡPëB PIPeP»P°PrPµPSPs PI CíPìP°PePsPIPeCí C,PëPìCí PiP°PjP°PSC†CII; PìPs 3  
CíPìP°PePsPIPePë C,PëPìCí PiP°PjP°PSC†CII B PIPeP»P°PrPµPSPs PIB PeP°CḡC,PsPSPSCí  
PePsCḡPsP±PeCí.

**P°P°C,PµPiPsCḡC-CII PIC-PrPìCíCÍPeCí.** P—P° CḡPµC†PµPìC,PsPj.

**P°PëCḡPsP±PSPëPe.**

PhPìPµP»P»P° PΓPµP»CÍPePµP° P†PSC,PµCḡPSPµC€PSP» PŸPḡPŸ/

Opella Healthcare International SAS

**PḡC-CÍC†PµP·PSP°C...PsPrP¶PµPSPSCII PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPµCÍP°  
PjC-CÍC†CII PìCḡPsPIP°PrP¶PµPSPSCII PN°PsPiPs PrC-CII P»CḡPSPsCÍC,C-.**

56 CḡCíC, PrPµ PëCíP°P·C-, P°PhPḡPµBḡ™ P,,PíP-, 60200, PḡCḡP°PSC†C-CII/

56 route de Choisy, COMPIEGNE, 60200, France