

Р†РќРЎРЃР РЈРЉРІР†РЇ

**PrP»CŮ PjPµPrPëC‡PSPsPiPs P·P°CŮC,PsCŮCŮPIP°PSPSCŮ P»C-PeP°CŮCŮCŮPePsPiPs
P·P°CŮPsP±CŮ**

**PŸPJ P>P¬P'RћPљPŷPћPњPћPљPŸ
(SULBACTOMAX)**

$$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma:$$
$$PrC-C\bar{H}C\bar{H}C-CH_2PuC\bar{H}PsPIP\bar{e}PSP\bar{e}: C\bar{H}PuC,,C,CH_2C-P^{\circ}PeC\bar{H}PsPS, C\bar{H}C\bar{H}P\gg CH_2P\pm P^{\circ}PeC, P^{\circ}Pj;$$

1 C,,P»P°PePsPS 20 PjP» PjC-Cl'C,PëC,CH: C†PµC,,C,C7JC-P°PeCl'PsPS PSP°C,C7JC-C7 C†
PiPµC7JPµC7JP°C...C†PSPeC† PSP° C†PµC,,C,C7JC-P°PeCl'PsPS 1000 PjPi, Cl'C†P»CHP±P°PeC,P°Pj
PSP°C,C7JC-C7 C† PiPµC7JPµC7JP°C...C†PSPeC† PSP° Cl'C†P»CHP±P°PeC,P°Pj 500 PjPi;

1 C_„P»P°PePsPS 10 PjP» PjC-ClC,PeC,CH: C†PμC_„C,C₇C-P°PeCl†PsPS PSP°C,C₇C-CH Cr
PiPμC₇PμC₇P°C...CrPSPeCr PSP° C†PμC_„C,C₇C-P°PeCl†PsPS 500 PjPi, ClCrP»CHP±P°PeC,P°Pj
PSP°C,C₇C-CH Cr PiPμC₇PμC₇P°C...CrPSPeCr PSP° ClCrP»CHP±P°PeC,P°Pj 250 PjPi.

Р-С-Р^oС₇Г₁С₈Р^o С_„Р₅С₇Р₁Р^o. В Р₄Р₅С₇Р₅С₆Р₅Р₆ Р₇Р_»С₁₁В С₇Р₅Р₇С₇Р₅С₇ Р₇Р_»С₁₁
С-Р₅В₇[™] С_„Р₆С₇С-Р₅.

PhCl'PSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C#PSC- PIP»P°Cl'C,PëPIPsCl'C,C-: P±C-P»PëPNø, P±P»C-PrPs-P¶PsPIC,PëPNø/PeCḡPuPjPsPIPëPNø PeCḡPëCl'C,P°P»C-C#PSPëPNø, PjP°P»Ps PiC-PiCḡPsCl'PePsPïC-C#PSPëPNø PïPsCḡPsC€PsPe.

$$\mathbf{P} \nrightarrow \mathbf{P}^\circ \mathbf{C} \mathbf{H} \mathbf{P} \mathbf{j} \mathbf{P}^\circ \mathbf{P} \mathbf{e} \mathbf{P} \mathbf{s} \mathbf{C}, \mathbf{P} \mu \mathbf{C} \mathbf{H} \mathbf{P}^\circ \mathbf{P} \mathbf{i} \mathbf{P} \mu \mathbf{P} \mathbf{I} \mathbf{C}, \mathbf{P} \mathbf{e} \mathbf{C} \nmid \mathbf{P} \mathbf{S} \mathbf{P}^\circ \mathbf{P} \mathbf{i} \mathbf{C} \mathbf{H} \mathbf{C} \mathbf{r} \mathbf{P} \mathbf{i} \mathbf{P}^\circ.$$

PhPSC, PëP±P°PeC, PμCḤC-P°P»CḤPSC- P·P°CÍPsP±Pë PrP»CÍ CÍPëCÍC, PμPjPSPsPiPs
P·P°CÍC, PsCÍCÍPIP°PSPSCÍ. P|PμC,,C,CḤC-P°PeCÍPsPS, PePsPjP±C-PSP°C†C-C—. PÿCḤPμC,CÍ
PiPμPSPμCḤP°C†C-CÍ C†PμC,,P°P»PsCÍPiPsCḤPëPSC-PI. PľPsPr PhPÿPI J01D D54.

$P\alpha P^{\circ}C\bar{H}PiP^{\circ}PePsP\gg PsPiC-C\bar{z}PSC-PIP\gg P^{\circ}C\bar{f}C,P\bar{e}PIPsC\bar{f}C,C-$

$$P \propto P^\circ C \bar{h} P_i P^\circ P_e P_s P_\tau P_{\ddot{e}} P S P^\circ P_j C - P_e P^\circ.$$

$\text{P}\ddot{\text{Y}}\text{C}\dot{\text{r}}\text{P}\gg\text{CH}\dot{\text{P}}\pm\text{P}^{\circ}\text{P}\dot{\text{e}}\text{C},\text{P}\dot{\text{s}}\text{P}\dot{\text{j}}\text{P}^{\circ}\text{P}\dot{\text{e}}\text{C}\dot{\text{I}}' - \text{P}\dot{\text{e}}\text{P}\dot{\text{s}}\text{P}\dot{\text{j}}\text{P}\pm\text{C}-\text{P}\dot{\text{S}}\text{P}\dot{\text{s}}\text{P}\dot{\text{I}}\text{P}^{\circ}\text{P}\dot{\text{S}}\text{P}\ddot{\text{e}}\text{P}\dot{\text{N}}_{\text{z}}\text{P}\dot{\text{i}}\text{C}\dot{\text{H}}\text{P}_{\mu}\text{P}\dot{\text{i}}\text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}^{\circ}\text{C},, \text{C}\%_{\text{O}}\text{P}\dot{\text{s}}$
 $\text{P}\dot{\text{j}}\text{C}-\text{C}\dot{\text{I}}'\text{C},\text{P}\ddot{\text{e}}\text{C},\text{C}\dot{\text{H}}:$

- C†PμC,,C,CTHC-P°PeC†PsPS (C†PμC,,P°P»PsC†PīPsCTHPēPS C,CTHPμC,CHbPsPiPs PīPsPePsP»C-PSPSC†), C†PePēPNē PjP°C" CēPeCTHPsPePēPNē C†PīPμPeC,CTH PrC-C— C%PsPrPs C†C†C,P»PēPIPēC... PjC-PeCTHPsPsCTHPiP°PSC-P·PjC-PI C† C†C,P°PrC-C— P°PeC,PēPIPSPsC— PjC†P»CHbC,PēPīP»C-PeP°C†C-C— CēP»C†C...PsPj PīCTHPēPiPSC-C†PμPSPSC† P±C-PsC†PēPSC,PμP·C† PjC†PePsPīPμPīC,PēPrC† PeP»C-C,PēPSPSPsC— PjPμPjP±CTHP°PSPē;

- C†C†P»CHbP±P°PeC,P°Pj - C" PSPμPsP±PsCTHPsC,PSPēPj C-PSPiC-P±C-C,PsCTHPsPj P±C-P»CHbCēPsC†C,C- PsC†PSPsPIPSPēC... P±PμC,P°-P»P°PeC,P°PjP°P·, C%Ps PīCTHPsPrC†PeC†CTHC,CHbC†C† PīPμPSC-C†PēP»C-PS-CTHPμP·PēC†C,PμPSC,PSPēPjPē PjC-PeCTHPsPsCTHPiP°PSC-P·PjP°PjPē. P' C-PS C†PēPSPēC,CHb P·PSP°C†PSC† P°PSC,PēP±P°PeC,PμCTHC-P°P»CHbPSC† PrC-CTH P»PēCēPμ C%PsPrPs *Neisseriaceae*, *Acinetobacter calcoaceticus*, *Bacteroides spp.*, *Branhamella catarrhalis* *Pseudomonas cepacia*. PŸC†P»CHbP±P°PeC,P°Pj C†PēPSPμCTHPiC-C†PSPs PIP·P°C" PjPsPrC-C" P· PīPμPSC-C†PēP»C-PSP°PjPē C,P° C†PμC,,P°P»PsC†PīPsCTHPēPSP°PjPē, P° C,P°PePsP¶ P·PiBh™ C†P·C†C",CHbC†C† P· PrPμC†PePēPjPē P±C-P»PeP°PjPē, C%Ps C-PSP°PeC,PēPIC†CTHC,CHb PīPμPSC-C†PēP»C-PS, C,PsPjC† PrPμC†PeC- C†C†C,P»PēPIC- CēC,P°PjPē PīCTHPsC†PIP»C†CTHC,CHb PīC-PrPIPēC%PμPSC†B C†C†C,P»PēPIC-C†C,CHb PrPs PePsPjP±C-PSP°C†C-C— PīPsCTHC-PIPSC†PSPs P· PjPsPSPsPīCTHPμPīP°CTHP°C,PsPj P±PμC,P°- P»P°PeC,P°PjPSPsPiPs P°PSC,PēP±C-PsC,PēPeP°.

PŸC†P»CHbP±P°PeC,P°Pj P°PeC,PēPIPSPēPNē C%PsPrPs (PIPeP»CTHC†P°CTHC†Pē P±PμC,P°- P»P°PeC,P°PjP°P·PsPīCTHPsPrC†PeC†CTHC†C- CTHPμP·PēC†C,PμPSC,PSC- CēC,P°PjPē):

- PiCTHP°PjPīPsP·PēC,PēPIPSPēC... (P°PμCTHPsP±C-PI): *B. Staphylococcus aureus* (PjPμC,PēC†PēP»C-PSC†C†C,P»PēPIC- CēC,P°PjPē), PePsP°PīC†P»P°P·Ps-PSPμPīP°C,PēPIPSC- C†C,P°C,,C-P»PsPePsPePē, *Streptococcus pyogenes* (P±PμC,P°-PīPμPjPsP»C-C,PēC†PSPēPNē, PīCTHC†PīPē A), *Streptococcus agalactiae* (P±PμC,P°-PīPμPjPsP»C-C,PēC†PSPēPNē, PīCTHC†PīPē P'), P±PμC,P°-PīPμPjPsP»C-C,PēC†PSC- C†C,CTHPμPīC,PsPePsPePē (PeCTHC-Pj PīCTHC†Pī A, B), *Streptococcus viridans*, *Streptococcus CTHPiPμPēC,PsPīC-P°Pμ*. PkPμPsP±C...C-PrPSPs PīCTHP°C...PsPIC†PIP°C,Pē, C%Ps PjPμC,PēC†PēP»C-PSC†C,C-PNēPeC- CēC,P°PjPē *Staphylococcus spp.*, P° C,P°PePsP¶ *Enterococcus faecalis*, *Enterococcus faecium*, *Listeria monocytogenes* CTHPμP·PēC†C,PμPSC,PSC- PrPs C†PμC,,P°P»PsC†PīPsCTHPēPSC-PI, C† C,PsPjC† C†PēC†P»C- PrPs C†PμC,,C,CTHC-P°PeC†PsPSC†;

- PiCTHP°PjPSPμPīP°C,PēPIPSPēC... (P°PμCTHPsP±C-PI): *Aeromonas hydrophila*, *Alcaligenes faecalis*, *Alcaligenes odorans*, P°P»PeP°P»C-PiPμPSPsPiPsPrC-P±PSC- P±P°PeC,PμCTHC-C—, *Citrobacter diversus* (C† C,PsPjC† C†PēC†P»C- PŸ. *amalonaticus*), *Citrobacter freundii*, *Escherichia coli*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterobacter spp.* B (C-PSCēC-), *Haemophilus ducreyi*, *Haemophilus influenzae*, *Haemophilus parainfluenzae*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Moraxella catarrhalis* B (CTHP°PSC-CēPμ PSP°P·PēPIP°P»P°C†C† *Branhamella catarrhalis*), *Moraxella osloensis*, *Moraxella spp.* (C-PSCēC-), *Morganella morganii*, *Neisseria gonorrhoeae*, *Neisseria meningitidis*, *Plesiomonas shigelloides*, *Proteus mirabilis*, *Proteus penneri*, *Proteus vulgaris*, *Pseudomonas fluorescens*, *Pseudomonas spp.* (C-PSCēC-), *Providentia rettgeri*, *Providentia spp.* (C-PSCēC-), *Salmonella typhi*, *Salmonella spp.* (PSPμC,PēC,,PsC—PrPSC-), *Serratia marcescens*, *Serratia sCTHTJ*. (iPSCēC-), *Shigella spp.*, *Vibrio spp.*, *Yersinia enterocolitica*, *Yersinia spp.* (C-PSCēC-).

PŸC†P»CHbP±P°PeC,PsPjP°PeC†, C†Pe C- C†PμC,,C,CTHC-P°PeC†PsPS, P·P°C†C,PsC†PsPIC†CTHC,CHb PrP»C† P»C-PeC†PIP°PSPSC† PīPsPSPsCTHPμC— C,P° C†PēC,,C-P»C-C†C†, PsC†PeC-P»CHbPePē *Treponema pallidum* C†C†C,P»PēPIP° PrPs C†PμC,,C,CTHC-P°PeC†PsPSC† *in vitro* C- PI PμPeC†PīPμCTHPēPjPμPSC,P°C... PSP° C,PIP°CTHPēPSP°C..., P° PeP»C-PSC-C†PSC- PIPēPīCTHPsP±C†PIP°PSPSC† PīPsPeP°P·C†CTHC,CHb,

C%₀Ps C†PμC,,C,CTHC-P°PeCΓ΄PsPS PjP°C” PIPëCΓ΄PsPeCΓ PμC,,PμPeC,PëPIPSC-CΓ΄C,CH C%₀PsPrPs PïPμCTHPIPëPSPSPSPiPs C,P° PIC,PsCTHPëPSPSPSPiPs CΓ΄PëC,,C-P»C-CΓ΄CΓ;

- P°PSP°PμCTHPSP±C-PI: *Bacteroides spp.* (CΓ C, C‡. PrPμCΠPeC- CëC,P°PjPë *B. fragilis.*), *Clostridium sCTHC*. (PeCTHC-Pj PŸ. *difficile*), *Fusobacterium spp.* (P·P° PIPëPSCΠC,PePsPj *F. mortiferum* C,P° *F. varium*), *Gaffkia anaerobica* (CTHP°PSC-CëPμ PSP°P·PëPIP°P»P°CΓ΄CΠ *Peptococcus*), *Peptostreptococcus spp.*

PμCTHPëPjC-C,PeP°. P°P°PiP°C,Ps CëC,P°PjC-PI P±PμC,P°- P»P°PeC,P°PjP°P·PsCΓC,PIPsCTHCPIP°P»CHPSPëC... *Bacteroides spp.*, P·PsPeCTHPμPjP° P’. *fragilis*, P° C,P°PePsP¶ *Clostridium difficile*, CΓ΄C,C-PNëPeC- PrPs C†PμC,,C,CTHC-P°PeCΓ΄PsPSCΓ.

PkCΓ΄PeC-P»CHPePë PsCΓ΄PSPsPIPSPsCTH PrC-CTHC‡PsCTH CTHPμC‡PsPIPëPSPsCTH PïCTHPμPiP°CTHP°C,CΓ C” C†PμC,,C,CTHC-P°PeCΓ΄PsPS, C‡CΓC,P»PëPIC-CΓ΄C,CH PrPs PŸCΓP»CHP±P°PeC,P°PjCΓ PIPëP·PSP°C‡P°CTHC,CH P·P° C‡CΓC,P»PëPIC-CΓ΄C,CTH PrPs C†PμC,,C,CTHC-P°PeCΓ΄PsPSCΓ, CΠPeCΓ PjPsP¶PSP° PIPëP·PSP°C‡P°C,Pë PrPëCΓ΄PePs- PrPëC,,CΓP·C-PNëPSPëPj PjPμC,PsPrPsPj

P°P±Ps PjPμC,PsPrPsPj CΓ΄PμCTHC-PNëPSPëC... CTHPsP·PIPμPrPμPSCH PSP° P°PiP°CTHC- C‡Pë P±CΓP»CHPNëPsPSC-.

PαP°CTHPjP°PePsPeC-PSPμC,PëPeP°.

PαP°CTHPjP°PePsPeC-PSPμC,PëPeP° C†PμC,,C,CTHC-P°PeCΓ΄PsPSCΓ PjP°C” PSPμP»C-PSC-PNëPSPëPNë C...P°CTHP°PeC,PμCTH.

PJCΓC- PsCΓ΄PSPsPIPSC-B C,,P°CTHPjP°PePsPeC-PSPμC,PëC‡PSC- PïP°CTHP°PjPμC,CTHPë, P·P° PIPëPSCΠC,PePsPj PïPμCTHC-PsPrCΓ PSP°PïC-PIPIPëPIPμPrPμPSPSCΠ (PŸ1/2), C” PrPsP·PsP·P°P»PμP¶PSPëPjPë. P’CΓ΄PjPsPeC,CΓPIP°PSPSCΠ: PïC-CΓ΄P»CΠ PIPSCΓC,CTHC-CëPSCHPSjPbT[™] CΠP·PsPIPsPiPs PIPIPμPrPμPSPSCΠ PjP°PeCΓ΄PëPjP°P»CHPSP° PePsPSC†PμPSC,CTHP°C†C-CΠ PrPsCΓ΄CΠPiP°C”C,CHCΓ΄CΠ C‡PμCTHPμP· 2-3 PiPsPrPëPSPë. P’C-PsPrPsCΓ΄C,CΓPïPSC-CΓ΄C,CH PïCTHPμPiP°CTHP°C,CΓ PïC-CΓ΄P»CΠ PIPSCΓC,CTHC-CëPSCHPSj’CΠP·PsPIPsPiPs PIPIPμPrPμPSPSCΠ CΓ΄C,P°PSPsPIPëC,CH 100 % (PiPs C†PμC,,C,CTHC-P°PeCΓ΄PsPSCΓ).

PμC-CΓ΄P»CΠ PIPIPμPrPμPSPSCΠ CΓ PrPsP·C- 1-2 Pi C†PμC,,C,CTHC-P°PeCΓ΄PsPS PrPsP±CTHPμ PïCTHPsPSPëPeP°C” CΓ C,PeP°PSPëPSPë C,P° CTHC-PrPëPSPë PsCTHPiP°PSC-P·PjCΓ. PμC-CΓ΄P»CΠ PIPSCΓC,CTHC-CëPSCHPSPIPμPSPSPSPiPs P·P°CΓ΄C,PsCΓ΄CΓPIP°PSPSCΠ C†PμC,,C,CTHC-P°PeCΓ΄PsPS CëPIPëPrPePs PïCTHPsPSPëPeP°C” CΓ CΓ΄PïPëPSPSPSPjPsP·PePsPICΓ CTHC-PrPëPSCΓ, PrPμ P±P°PeC,PμCTHPëC†PëPrPSC- PePsPSC†PμPSC,CTHP°C†C-C— C%₀PsPrPs C‡CΓC,P»PëPIPëC... PjC-PeCTHPsPsCTHPiP°PSC-P·PjC-PI P·P±PμCTHC-PiP°CTHC,CHCΓ΄CΠ PïCTHPsC,CΠPiPsPj 24 PiPsPrPëPS.

PiPμC,,C,CTHC-P°PeCΓ΄PsPS PsP±PsCTHPsC,PSPs P·PI’CΠP·CΓC”C,CHCΓ΄CΠ P· P°P»CHP±CΓPjC-PSPSPj. P—P°PIPrCΠPePë PjPμPSCëC-PNë PePsPSC†PμPSC,CTHP°C†C-C— P°P»CHP±CΓPjC-PSCΓ CΓ C,PeP°PSPëPSPSC-PNë CTHC-PrPëPSC- PrPsP»CΠ PIC-P»CHPSPSPiPs C†PμC,,C,CTHC-P°PeCΓ΄PsPSCΓ PI PSC-PNë PIPëC%₀P°, PSC-P¶ CΓ PïP»P°P·PjC- PeCTHPsPIC-. PñP°PeCΓ΄PëPjP°P»CHPSP° PePsPSC†PμPSC,CTHP°C†C-CΠ (PŸmax) CΓ CΓ΄PïPëPSPSPSPjPsP·PePsPIC-PNë CTHC-PrPëPSC- PrPsCΓ΄CΠPiP°C”C,CHCΓ΄CΠ PïCTHPëP±P»PëP·PSPs C‡PμCTHPμP· 4 PiPsPrPëPSPë PïC-CΓ΄P»CΠ PIPSCΓC,CTHC-CëPSCHPSPIPμPSPSPSPiPs PIPIPμPrPμPSPSCΠ C- CΓ΄C,P°PSPsPIPëC,CH CΓ CΓ΄PμCTHPμPrPSCHPSjCΓ 18 PjPi/P». PμCTHPë P±P°PeC,PμCTHC-P°P»CHPSPSPjCΓ

PjPμPSC-PSPIc-C,C- CΓPμCḡPμPrPSCḡ PePsPSC†PμPSC,CḡP°C†C-Cḡ
C†PμC,,C,CḡC-P°PeCΓPsPSCr Cḡ CΓPḡPḡPSPSPsPjPsP·PePsPIC-PNḡ CḡC-PrPḡPSC-
CΓC,P°PSPsPIPḡC,CH 17 % PIC-Pr PePsPSC†PμPSC,CḡP°C†C-C— Cḡ PiP»P°P·PjC- PeCḡPsPIC-,
PḡCḡPḡ P°CΓPμPiC,PḡC†PSPsPjCḡ PjPμPSC-PSPIc-C,C- - PḡCḡPḡP±P»PḡP·PSPs 4 %. PJ
C...PIPsCḡPḡC... PSP° PjPμPSC-PSPIc-C, PrPsCḡPsCΓP»PḡC... C†PμCḡPμP·

2-24 PiPsPrPḡPSPḡ PḡC-CΓP»Cḡ PIPiPμPrPμPSPSCḡ PrPsP·Pḡ 50 PjPi/PePi PjP°CΓPḡ C,C-P»P°
PePsPSC†PμPSC,CḡP°C†C-C— C†PμC,,C,CḡC-P°PeCΓPsPSCr Cḡ CΓPḡPḡPSPSPsPjPsP·PePsPIC-PNḡ
CḡC-PrPḡPSC- Cḡ P±P°PiP°C,Ps CḡP°P·C-PI PiPμCḡPμPIPḡC%CḡCḡC,CH
PjC-PSC-PjP°P»CHḡPSC- PḡCḡPḡPiPSC-C†CḡP°P»CHḡPSC- PePsPSC†PμPSC,CḡP°C†C-C—
PrP»Cḡ PSP°PNḡPiPsCḡPḡCḡPμPSC-CḡPḡC... P·P±CḡPrPSPḡPeC-PI PjPμPSC-PSPIc-C,Cḡ.

PḡPμC,,C,CḡC-P°PeCΓPsPS PḡCḡPsC...PsPrPḡC,CH PeCḡC-P·CH PiP»P°C†PμPSC,P°CḡPSPḡPNḡ
P±P°Cḡ'C"Cḡ C- PI PjP°P»PḡC... PePsPSC†PμPSC,CḡP°C†C-CḡC... PḡCḡPsPSPḡPeP°C" Cḡ
PiCḡCḡPrPSPμ PjPsP»PsPePs.

PḡPμC,,C,CḡC-P°PeCΓPsPS PSPμ PḡC-PrPrP°C"C,CHCΓCḡ CΓPḡCΓC,PμPjPSPsPjCḡ
PjPμC,P°P±PsP»C-P·PjCḡ, P° PiPμCḡPμC,PIPsCḡCḡC"C,CHCΓCḡ PSP° PSPμP°PeC,PḡPIPSC-
PjPμC,P°P±PsP»C-C,Pḡ PḡC-Pr PrC-C"Cḡ PePḡCḡPePsPIPsC— C,,P»PsCḡPḡ.

50-60 %B C†PμC,,C,CḡC-P°PeCΓPsPSCr PIPḡPIPsPrPḡC,CHCΓCḡ Cḡ PSPμP·PjC-PSPμPSPsPjCḡ
PIPḡPiP»CḡPrC- P· CΓPμC†PμCḡ, P° 40-50 % Bḡ" Cḡ PSPμP·PjC-PSPμPSPsPjCḡ PIPḡPiP»CḡPrC- P·
PḡPsPIC†Cḡ. PμPμCḡC-PsPr PSP°PḡC-PIPIPḡPIPμPrPμPSPSCḡ C†PμC,,C,CḡC-P°PeCΓPsPSCr Cḡ
PrPsCḡPsCΓP»PḡC... CΓC,P°PSPsPIPḡC,CHB PḡCḡPḡP±P»PḡP·PSPs 8 PiPsPrPḡPS.
P—P°PiP°P»CHḡPSPḡPNḡ PeP»C-CḡPμPSCΓ Cḡ PiP»P°P·PjC- PeCḡPsPIC- CΓC,P°PSPsPIPḡC,CH
10-22 PjP»/C...PI, PSPḡCḡPePsPIPḡPNḡ PeP»C-CḡPμPSCΓ Bḡ" PIC-Pr 5 PrPs 12 PjP»/C...PI. PJ
PSPsPIPsPSP°CḡPsPrPḡPμPSPḡC... PrC-C,PμPNḡ PSPḡCḡPeP°PjPḡ PIPḡPIPsPrPḡC,CHCΓCḡB
PḡCḡPḡP±P»PḡP·PSPs 70 % PrPsP·Pḡ. PJ PiCḡCḡPrPSPḡC... PrC-C,PμPNḡ Cḡ PiPμCḡCḡC- 8
PrPSC-PI PḡPḡC,C,Cḡ, P° C,P°PePsPḡ Cḡ P»CḡPrPμPNḡ P»C-C,PSCHḡPsPiPs PIC-PeCḡ (PIC-Pr 75
CḡPsPeC-PI) PiPμCḡC-PsPr PSP°PḡC-PIPIPḡPIPμPrPμPSPSCḡ PI CΓPμCḡPμPrPSCḡPsPjCḡ Cḡ

2 CḡP°P·Pḡ PrPsPICḡPḡPNḡ. PJ C...PIPsCḡPḡC... C-P· PiPsCḡCḡCḡPμPSPSCḡPj C,,CḡPSPeC†C-C—
PSPḡCḡPsPe P°P±Ps PiPμC†C-PSPePḡ C,,P°CḡPjP°PePsPeC-PSPμC,PḡPeP° PḡCḡPμPiP°CḡP°C,Cḡ
P·PjC-PSCH"C,C,CHCΓCḡ PSPμP·PSP°C†PSPs, PIC-PrP·PSP°C†P°C"C,CHCΓCḡ P»PḡCḡPμ
PSPμPIPμP»PḡPePμ P·P±C-P»CHḡCḡPμPSPSCḡ PiPμCḡC-PsPrCḡ
PSP°PḡC-PIPIPḡPIPμPrPμPSPSCḡ. PμCḡPḡ PiPsCḡCḡCḡPμPSPSCḡC... C,C-P»CHḡPePḡ
C,,CḡPSPeC†C-C— PSPḡCḡPsPe P·P±C-P»CHḡCḡCḡC"C,CHCΓCḡ PrPsP»CḡB
C†PμC,,C,CḡC-P°PeCΓPsPSCr, PIPḡPIPμPrPμPSPsPiPs P· PḡPsPIC†Cḡ, PḡCḡPḡ
PiPsCḡCḡCḡPμPSPSCḡC... C,C-P»CHḡPePḡ C,,CḡPSPeC†C-C— PiPμC†C-PSPePḡ Bḡ" PrPsP»Cḡ
C†PμC,,C,CḡC-P°PeCΓPsPSCr, PIPḡPIPμPrPμPSPsPiPs PSPḡCḡPeP°PjPḡ.

PḡP»C-PSC-C†PSC- C...P°CḡP°PeC,PμCḡPḡCΓC,PḡPePḡ.

PμPsPeP°P·P°PSPSCḡ.

-B P†PSC,,PμPeC†C-C— PSPḡPḡPSC-C... PIC-PrPrC-P»C-PI PrPḡC...P°P»CHḡPSPḡC...
CḡP»CḡC...C-PI;

-B PiPsCΓC,CḡPḡPNḡ P±P°PeC,PμCḡC-P°P»CHḡPSPḡPNḡ PsC,PḡC, CΓPμCḡPμPrPSCḡPsPiPs
PICḡC...P°;

- B C-PSC,,PμPeC†C-C— Pj'ClΠPePëC... C,PeP°PSPëPS, C€PeC-CḡPë;
- B C-PSC,,PμPeC†C-C— PSPëCḡPsPe C- CÍPμC‡PsPIPëPIC-PrPSPëC... C€P»CΠC...C-PI;
- B C-PSC,,PμPeC†C-C— PeC-CÍC,PsPe, CÍCÍPiP»PsP±C-PI;
- B CÍPμPiC,PëC†PμPjC-CΠ;
- B C-PSC,,PμPeC†C-C— PsCḡPiP°PSC-PI C‡PμCḡPμPIPSPsC— PïPsCḡPsP¶PSPëPSPëB
(PïPμCḡPëC,PsPSC-C,, C-PSC,,PμPeC†C-C— P¶PsPIC‡PsPIPëPIC-PrPSPëC... C€P»CΠC...C-PI C-
C,CḡP°PIPSPsPiPsB
- B B B C,CḡP°PeC,CÍ);
- B PjPμPSC-PSPiC-C,;
- B PiPsPSPsCḡPμCΠ;
- B PïCḡPsC,,C-P»P°PeC,PëPeP° C-PSC,,PμPeC†C-PNë CÍ C...C-CḡCÍCḡPiC-C—.

PμCḡPsC,PëPïPsPeP°P·P°PSPSCΠ.

PμC-PrPIPëC‰PμPSP° C‡CÍC,P»PëPIC-CÍC,CH PrPs C†PμC,,C,CḡC-P°PeCÍPsPSCÍ P°P±Ps
P±CÍPrCH-CΠPePsPiPs C-PSC€PsPiPs C†PμC,,P°P»PsCÍPïPsCḡPëPSCÍ. PkP°CΠIPSC-CÍC,CH PI
P°PSP°PjPSPμP·C- C,CΠP¶PePëC... CḡPμP°PeC†C-PNë PiC-PïPμCḡC‡CÍC,P»PëPIPsCÍC,C-
(PSP°PïCḡPëPeP»P°Pr, P°PSP°C,,C-P»P°PeC,PëC‡PSPëC... CḡPμP°PeC†C-PNë) PrPs P±CÍPrCH-
CΠPePsPiPs C-PSC€PsPiPs C,PëPïCÍ P±PμC,P°-P»P°PeC,P°PjPSPëC...
P°PSC,PëP±P°PeC,PμCḡC-P°P»CHPSPëC... P·P°CÍPsP±C-PI (PïPμPSC-C†PëP»C-PSC-PI,
PjPsPSPsP±P°PeC,P°PjC-PI C,P° PeP°CḡP±P°PïPμPSPμPjC-PI); PSPëCḡPePsPIP° C,P°/P°P±Ps
PïPμC‡C-PSPePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH; P·P°C...PIPsCḡCHPIP°PSPSCΠ
C,CḡP°PIPSPsPiPs C,CḡP°PeC,CÍ PI P°PSP°PjPSPμP·C-, PsCÍPsP±P»PëPIPs
PSPμCÍPïPμC†PëC,,C-C‡PSPëPNë PIPëCḡP°P·PePsPIPëPNë PePsP»C-C,, PμPSC,PμCḡPëC, P°P±Ps
PePsP»C-C,, PïPsPiBḡ™ CΠP·P°PSPëPNë C-P· P·P°CÍC,PsCÍCÍPIP°PSPSCΠPj
P°PSC,PëP±P°PeC,PμCḡC-P°P»CHPSPëC... PïCḡPμPïP°CḡP°C,C-PI.

PiPμC,,C,CḡC-P°PeCÍPsPS PïCḡPsC,PëPïPsPeP°P·P°PSPëPNë:

PkPμPrPsPSPsC€PμPSPëPj PSPsPIPsPSP°CḡPsPrP¶PμPSPëPj PIC-PePsPj ≤ 41 C,PëP¶PrPμPSCḡ
C-P· CÍCḡP°C...CÍPIP°PSPSCΠPj CÍC,CḡPsPeCÍ PIPSCÍC,CḡC-C€PSCḡPsCÍC,CḡPsP±PSPsPiPs
CḡPsP·PIPëC,PeCÍ (PiPμCÍC,P°C†C-PNëPSPëPNë PIC-Pe PIC-Pe PïC-CÍP»CΠ
PSP°CḡPsPrP¶PμPSPSCΠ)*

P°PsPSPsC€PμPSPëPj PSPsPIPsPSP°CḡPsPrP¶PμPSPëPj (PIC-PePsPj ≤ 28 PrPSC-PI):

- C-P· PiC-PïPμCḡP±C-P»C-CḡCÍP±C-PSPμPjC-C”Cḡ, P¶PsPIC,CΠPSPëC†PμCḡ,
PiC-PïPsP°P»CHP±CÍPjC-PSPμPjC-C”Cḡ P°P±Ps P°C†PëPrPsP·PsPj, PsCÍPeC-P»CHPePë PïCḡPë
C,P°PePëC... CÍC,P°PSP°C... P·PiBḡ™ CΠP·CÍPIP°PSPSCΠ P±C-P»C-CḡCÍP±C-PSCÍ,
C-PjPsPIC-CḡPSPs, PiPsCḡCÍC€PμPSPμ*

- CΠPeC- PïPsC,CḡPμP±CÍCḡC,CH (P°P±Ps PsC‡C-PeCÍC”C,CHCÍCΠ, C‰Ps
PïPsC,CḡPμP±CÍPIP°C,PëPjCÍC,CH) PIPSCÍC,CḡC-C€PSCḡPsPIPμPSPSPsPiPs

PIPIPμPrPμPSPSCΠ ΠiCηPμPīP°CηP°C,C-PI PeP°P»CHC†C-Cη P°P±Ps C-PSC,,CfP·C-PNē
PeP°P»CHC†C-PNēPIPJc-CfPSPēC... CηPsP·C†PēPSC-PI, PsCfPeC-P»CHPePē C-CfPSCrC”
CηPēP·PēPe CfC,PIPsCηPμPSPSCΠ ΠiCηPμC†PēPiC-C,P°C,C-PI PeP°P»CHC†C-C”PIPsC—
CfPsP»C- C†PμC,,C,CηC-P°PeCfPsPSCr (PrPēPI. CηPsP·PrC-P»Pē B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCΠB» C,P° B«PμPsP±C-C†PSC- CηPμP°PeC†C-C—B»).

* PJ PrPsCfP»C-PrP¶PμPSPSCΠC... C-n vitro P±CfP»Ps PīPsPeP°P·P°PSPs, C%Ps
C†PμC,,C,CηC-P°PeCfPsPS PJPsP¶Pμ PIPēC,C-CfPSCΠC,Pē P±C-P»C-CηCfP±C-PS P·C-
P·PIBη™ CΠP·PeCf P· P°P»CHP±CfPJc-PSPsPJ CfPēCηPsPIP°C,PePē PeCηPsPIC-, C%Ps
PiCηPēP·PIPsPrPēC,CH PrPs PJPsP¶P»PēPIPsPiPs CηPēP·PēPeCf CηPsP·PIPēC,PeCf
P±C-P»C-CηCfP±C-PSPsPIPsC— PμPSC†PμC,,P°P»PsPīP°C,C-C— Cf C,P°PePēC...
PīP°C†C-C”PSC,C-PI.

PμPμCηPμPr PIPSCrC,CηC-CēPSCHPsPjBη™ CΠP·PsPIPēPJ PIPIPμPrPμPSPSCΠPJ
C†PμC,,C,CηC-P°PeCfPsPSCr CfP»C-Pr PsP±PsPIBη™ CΠP·PePsIPs PIPēPeP»CηC†PēC,Pē
PSP°CΠIPSC-CfC,CH PiCηPsC,PēPiPsPeP°P·P°PSCH PrPs P·P°CfC,PsCfCfPIP°PSPSCΠ
P»C-PrPsPeP°C—PSCr, CΠPeC%Ps PNēPsPiPs P·P°CfC,PsCfPsPICrCηC,CH Cf CΠPePsCfC,C-
CηPsP·C†PēPSPSPēPeP° (PrPēPI. CηPsP·PrC-P» B«PhCfPsP±P»PēPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSCΠB»). P”PēPI. C-PSCfC,CηCfPeC†C-Cη PrP»CΠ PJPμPrPēC†PSPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCΠ P»C-PrPsPeP°C—PSCr, PsCfPsP±P»PēPIPs
PiCηPsC,PēPiPsPeP°P·P°PSPSCΠ.

P PsP·C†PēPSPē C†PμC,,C,CηC-P°PeCfPsPSCr, C%Ps PJc-CfC,CΠC,CH P»C-PrPsPeP°C—PS,
PSC-PePsP»Pē PSPμ CfP»C-Pr PIPIPsPrPēC,Pē PIPSCrC,CηC-CēPSCHPsPIPμPSPSPs.

**P·P·P°C”PjPsPrC-CΠ P· C-PSCēPēPjPē P»C-PeP°CηCfCHPePēPjPē P·P°CfPsP±P°PjPē C,P°
C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNē.**

PkPμ PJPsP¶PSP° PIPēPePsCηPēCfC,PsCfC,PsPICrPIP°C,Pē CηPsP·C†PēPSPSPēPePē, CΠPeC-
PJc-CfC,CΠC,CH PeP°P»CHC†C-PNē, C,P°PeC- CΠPe CηPsP·C†PēPS P C-PSPiPμCηP° P°P±Ps
CηPsP·C†PēPS P”P°CηC,PjP°PSP°, PrP»CΠ CηPsP·C†PēPSPμPSPSCΠ
C†PμC,,C,CηC-P°PeCfPsPSCr Cf C,,P»P°PePsPSP°C... P°P±Ps PrP»CΠ CηPsP·PIPμPrPμPSPSCΠ
PIC-PrPSPsPIP»PμPSPsPiPs CηPsP·C†PēPSCr PrP»CΠ PIPSCrC,CηC-CēPSCHPsPIPμPSPSPsPiPs
PIPIPμPrPμPSPSCΠ Cf P·PIBη™ CΠP·PeCf P· PIC-CηPsPiC-PrPSC-CfC,Cη CfC,PIPsCηPμPSPSCΠ
PiCηPμC†PēPiC-C,P°C,C-PI PeP°P»CHC†C-C”PIPēC... CfPsP»PμPNē
C†PμC,,C,CηC-P°PeCfPsPSCr.B P’PēPSPēPePSPμPSPSCΠ PiCηPμC†PēPiC-C,P°C,C-PI
PeP°P»CHC†C-C”PIPēC... CfPsP»PμPNē C†PμC,,C,CηC-P°PeCfPsPSCr C,P°PePsP¶ PJPsP¶Pμ
PIC-PrP±CfPIP°C,PēCfCΠ PiCηPē P·PJc-CēCfPIP°PSPSC- C†PμC,,C,CηC-P°PeCfPsPSCr P·
CηPsP·C†PēPSP°PjPē, CΠPeC- PJc-CfC,CΠC,CH PeP°P»CHC†C-PNē PI PsPrPSC-PNē
C-PSC,,CfP·C-PNēPSC-PNē CfPēCfC,PμPJc- PrP»CΠ PIPSCrC,CηC-CēPSCHPsPIPμPSPSPsPiPs
PIPIPμPrPμPSPSCΠ. PιPμC,,C,CηC-P°PeCfPsPS PSPμ PJPsP¶PSP° PsPrPSPsC†P°CfPSPs
PIPIPsPrPēC,Pē PIPSCrC,CηC-CēPSCHPsPIPμPSPSPs P· CηPsP·C†PēPSP°PjPē, CΠPeC-
PJc-CfC,CΠC,CH PeP°P»CHC†C-PNē, Cf C,PsPjCf C†PēCfP»C- C-P·
PeP°P»CHC†C-PNēPIPJc-CfPSPēPjPē CηPsP·C†PēPSP°PjPē PrP»CΠ C,CηPēPIP°P»PēC...
C-PSC,,CfP·C-PNē, C,P°PePēPjPē CΠPe CηPsP·C†PēPSPē PrP»CΠ
PīP°CηPμPSC,PμCηP°P»CHPSPsPiPs C...P°CηC†CfPIP°PSPSCΠ, P·P° PrPsPiPsPjPsPiPsCη Y-
PiPsPrC-P±PSPsC— CfPēCfC,PμPJpē. PhPrPSP°Pe CηPμCēC,C- PīP°C†C-C”PSC,C-PI, PeCηC-Pj
PSPsPIPsPSP°CηPsPrP¶PμPSPēC..., C†PμC,,C,CηC-P°PeCfPsPS C,P°
PeP°P»CHC†C-PNēPIPJc-CfPSC- CηPsP·C†PēPSPē PJPsP¶PSP° PIPIPsPrPēC,Pē
PiPsCfP»C-PrPsIPSPs, PsPrPēPS PiC-CfP»CΠ PsPrPSPsPiPs, CΠPeC%Ps PJc-P¶

C-PSC,,CfP·C-CfPjPë CñPµC,PµP»CHBPSPs PñCñPSPjPëC,Pë CfPëCfC,PµPjCf CfCfPjC-CfPSPsCñ CñC-PrPëPSPsCñ. Pj PrPsCfP»C-PrP¶PµPSPSCfC... C-n *vitro* C-P·
PIPëPePsCñPëCfC,P°PSPSCfPj PñP»P°P·PjPë PñCfPñPsPIPëPSPSPsC— PeCñPSPIC-
PrPsCñPSPsCfP»PëC... C,P° PSPsPIPSPSP°CñPSPPrP¶PµPSPëC... P±CfP»Ps PñPsPeP°P·P°PSPs, C%Ps
PSPsPIPSPSP°CñPSPPrP¶PµPSPëPj P·P°PñCñPSP¶CfC” PñC-PrPIPëC%PµPSPëPñ CñPëP·PëPe
CfC,PIPsCñPµPSPSCf PñCñPµCfPëPñC-C,P°C,C-PI PeP°P»CHCfC-C”PIPSC— CfPsP»C-
CfPµC,,C,CñC-P°PeCfPsPSCf (PrPëPI. CñPSP·PrC-P»Pë B«PñPñPsCfC-P±
P·P°CfC,PsCfCfPñP°PSPSCf C,P° PrPsP·PëB», B«PµCñPSPs,PëPñPsPeP°P·P°PSPSCfB»,
B«PñCfPsP±P»PëPñPsCfC,C- P·P°CfC,PsCfCfPñP°PSPSCfB», B«PµPsP±C-CfPSC-
CñPµP°PeCfC-C—B», B«PñPµCfCfPjC-CfPSC-CfC,CHB»).

PñCfPjC-CfPSPµ P·P°CfC,PsCfCfPñP°PSPSCf PñCñPµPñP°CñP°C,Cf P·
PñPµCñPSPsCñP°P»CHBPSPëPjPë P°PSC,PëPePsP°PñCfP»CfPSC,P°PjPë PjPsP¶Pµ
PñPsCfPëP»CñPIP°C,Pë PµC,,PµPeC, PñCñPSPs,Pë PIC-C,P°PjC-PSCf Pñ C,P° CñPëP·PëPe
PeCñPSPsPIPSC,PµCfC-. P PµPePsPjPµPSPPrCfC”C,CHCfCfC CfP°CfC,Ps PñPµCñPµPIC-CñCfC,Pë
PjC-P¶PSP°CñPSPPrPSPµ PSPsCñPjP°P»C-P·PsPIP°PSPµ CfPñC-PIPIC-PrPSPsCñPµPSPSCf C,P°
PSP°P»PµP¶PSPëPj CfPëPSPsPj PePsCñPµPñCfPñP°C,Pë PrPsP·Cf P°PSC,PëPIC-C,P°PjC-PSCf Pñ
CfPe PñC-Pr CfP°Cf, C,P°Pe C- PñC-CfP»CfC C,PµCñP°PñC-C— CfPµC,,C,CñC-P°PeCfPsPSPsPj
(PrPëPI. CñPSP·PrC-P» B«PµPsP±C-CfPSC- CñPµP°PeCfC-C—B»).

PñCfPSCfCñC,CH CfCfPñPµCñPµCfP»PëPIC- PrP°PSC- C%PsPrPs PñPsC,PµPSCfC-PñPSPsPñPs
PñPsCfPëP»PµPSPSCf C,PsPeCfPëCfPSPsPñPs PIPñP»PëPICf P°PjC-PSPsPñP»C-PePsP·PëPrC-PI
PSP° PSPëCñPePë PñCñPë C—C... P·P°CfC,PsCfCfPñP°PSPSC- CñP°P·PsPj C-P·
CfPµC,,P°P»PsCfPñPsCñPëPSP°PjPë. Pj C,P°PePëC... PIPëPñP°PrPeP°C... CfP»C-Pr
CñPµC,PµP»CHBPSPs PrPsC,CñPëPjCfPñP°C,PëCfCfC CñPµPePsPjPµPSPPrP°CfC-Pñ C-P·
PjPsPSC-C,PsCñPëPSPñCf CñC-PIPSCf P°PjC-PSPsPñP»C-PePsP·PëPrC-PI (C,P° C,,CfPSPeCfC-C—
PSPëCñPsPe) Cf PeP»C-PSC-CfPSC-Pñ PñCñP°PeC,PëCfC-.

PñPµC,,C,CñC-P°PeCfPsPS PSPµ PjPsP¶PSP° P·PjC-CñCfPñP°C,Pë P· P°PjCfP°PeCñPëPSPsPj,
PIP°PSPePsPjC-CfPëPSPsPj, C,,P»CñPePsPSP°P·PsP»PsPj C- P°PjC-PSPsPñP»C-PePsP·PëPrP°PjPë.

PµCñPë PsPrPSPsCfP°CfPSPsPjCf P·P°CfC,PsCfCfPñP°PSPSC- PIPëCfPsPePëC... PrPsP·
CfPµC,,C,CñC-P°PeCfPsPSCf C- C,P°PePëC... CfPëP»CHBPSPsPrC-CñCfPëC...
PrC-CfCñPµC,PëPeC-PI CfPe

C,,CfCñPSPsCfPµPjC-Pr PñPsCñCfCñPµPSCñ C,,CfPSPeCfC-C— PSPëCñPsPe PSPµ
CfPñPsCfC,PµCñC-PñP°P»PsCfCfC.

PµC-CfP»CfC PñCñPëPñPsPjCf P°P»PePsPñPsP»Cñ PsPrCñP°P·Cf PñC-CfP»CfC PñCñPëPñPsPjCf
CfPµC,,C,CñC-P°PeCfPsPSCf PSPµ CfPñPsCfC,PµCñC-PñP°P»PsCfCfC PµC,,PµPeC,C-PI,
CfC...PsP¶PëC... PSP° PrC-Cñ PrPëCfCfP»CHC,,C-CñP°PjCf (C,PµC,CfCñP°PjCf).

PñPµC,,C,CñC-P°PeCfPsPS PSPµ PjC-CfC,PëC,CH N-PjPµC,PëP»C,C-PsC,PµC,CñP°P·PsP»CHBPSCf
PñCñCfPñCf, CfPeP° P± PjPsPñP»P° CfPñCñPëCfPëPSPëC,Pë
PSPµPñPµCñPµPSPsCfPëPjC-CfC,CH PµC,P°PSPsP»Cf, P° C,P°PePsP¶ PeCñPSPsPIPSC,PµCfC-,
PIP»P°CfC,PëPIC- PrPµCfPePëPj C-PSCñPëPj CfPµC,,P°P»PsCfPñPsCñPëPSP°Pj.

Pj PrPsCfP»C-PrP¶PµPSPSC- *in vitro* PñCñPë P·P°CfC,PsCfCfPñP°PSPSC-
C...P»PsCñP°PjC,,PµPSC-PePsP»Cf Cf PePsPjP±C-PSP°CfC-C— C-P·
CfPµC,,C,CñC-P°PeCfPsPSPsPj CfPñPsCfC,PµCñC-PñP°P»PëCfCfC
P°PSC,P°PñPsPSC-CfC,PëCfPSC- PµC,,PµPeC,Pë. PñP»C-PSC-CfPSP° P·PSP°CfC%C-CfC,CH
CfPëC... PrP°PSPëC... PSPµPIC-PrPsPjP°.

PSP°P»PμP¶PSPëC... PSPμPIC-PrPeP»P°PrPSPëC... P·P°C...PsPrC-PI. PμPμC¶PμPr
 PīPsC±P°C,PePsPj P»C-PeCfPIP°PSPSC¶ C,C¶PμP±P° P·B¶™ C¶CfCfPIP°C,Pe, C±Pë P±CfP»Pë Cf
 PīP°C†C-C”PSC,P° C¶P°PSC-C¶Pμ C,C¶P¶PeC- C¶PμP°PeC†C-C—
 PiC-PīPμC¶CfC,P»PëPIPsCfC,C- PrPs C†PμC,,C,C¶C-P°PeCfPsPSCf, C-PSC¶PeC...
 C†PμC,,P°P»PsCfPīPsC¶PëPSC-PI P°P±Ps PrPs P±CfPrCH-C¶PePsPiPs C-PSC¶PsPiPs C,PëPīCf
 P±PμC,P°-P»P°PeC,P°PjPSPëC... P·P°CfPsP±C-PI. P¶P»C-Pr P· PsP±PμC¶PμP¶PSC-CfC,C¶
 PīC¶PëP·PSP°C±P°C,Pë C†PμC,,C,C¶C-P°PeCfPsPS PīP°C†C-C”PSC,P°Pj P· PSPμC,C¶P¶PePsC¶
 PiC-PīPμC¶CfC,P»PëPIC-CfC,C¶ PrPs C-PSC¶PeC... P±PμC,P°-P»P°PeC,P°PjPSPëC...
 P»C-PeP°C¶CfCHPePëC... P·P°CfPsP±C-PI PI P°PSP°PjPSPμP·C-.

P†PjPsPIC-C¶PSC-CfC,C¶ P°PSP°C,,C-P»P°PeC,PëC±PSPëC... C¶PμP°PeC†C-PNë
 PīC-PrPIPëC%oCfC”C,C¶CfC¶ Cf C...PIPsC¶PëC... PSP° P°PSP°C,,C-P»P°PeCfC-C¶ PI
 P°PSP°PjPSPμP·C- C,P° Cf C,PëC..., C...C,Ps CfC,C¶P°P¶PrP°C” PSP° C¶PμP°PeC†C-C—
 PiC-PīPμC¶CfC,P»PëPIPsCfC,C- PrPs C¶C-P·PSPëC... P°P»PμC¶PiPμPSC-PI, P·
 PsP±PμC¶PμP¶PSC-CfC,C¶ P·P°CfC,PsCfPsPICfPIP°C,Pë PīP°C†C-C”PSC,P°Pj P·C-
 CfC...PëP»CHPSC-CfC,C¶ PrPs P°P»PμC¶PiC-C±PSPëC... PrC-P°C,PμP·C-PI.

P—P°C¶PμC”CfC,C¶PsPIP°PSPs PIPëPīP°PrPePë C,C¶P¶PePëC... PSPμP±P°P¶P°PSPëC...
 C¶PμP°PeC†C-PNë P· P±PsPeCf C¶PeC-C¶Pë [CfPëPSPrC¶PsPj P¶C,C-PIPμPSCfP° B¶”
 P”P¶PsPSCfPsPSP° P°P±Ps CfPëPSPrC¶PsPj P»P°C”P»P°/ C,PsPeCfPëC±PSPëPNë
 PμPīC-PrPμC¶PjP°P»CHPSPëPNë PSPμPeC¶PsP»C-P· C- P»C-PeP°C¶CfCHPeP°
 C¶PμP°PeC†C-C¶ P· PμPsP·PëPSPsC,,C-P»C-C”C¶ C,P° CfPëCfC,PμPjPSPëPjPë
 PīC¶PsC¶PIP°PjPë (DRESS-CfPëPSPrC¶PsPj)], C¶PeC- PīPsPIB¶™ C¶P·P°PSC- P·
 P»C-PeCfPIP°PSPSC¶Pj C†PμC,,C,C¶PëP°PeCfPsPSPsPj C,P° PjPsP¶CfC,C¶ P±CfC,Pë
 P·P°PiC¶PsP·P»PëPIPëPjPë PrP»C¶ P¶PëC,C,C¶ P°P±Ps P»PμC,P°P»CHPSPëPjPë, PsPrPSP°Pe
 C±P°CfC,PsC,P° C†PëC... C¶PIPëC%o PSPμPIC-PrPsPjP° (PrPëPI. C¶PsP·PrC-P»
 B«PμPsP±C-C±PSC- C¶PμP°PeC†C-C—B»).

P·PSC†PμC,,P°P»PsPīP°C,C-C¶

PμPsPIC-PrPsPjP»C¶P»PsCfC¶ PīC¶Ps PμPSC†PμC,,P°P»PsPīP°C,C-C¶ PīC¶Pë
 P·P°CfC,PsCfCfPIP°PSPSC- C†PμC,,C,C¶C-P°PeCfPsPSCf (PrPëPI. C¶PsP·PrC-P»
 B«PμPsP±C-C±PSC- C¶PμP°PeC†C-C—B»), PsCfPsP±P»PëPIPs Cf PīP°C†C-C”PSC,C-PI
 P»C-C,PSCHPsPiPs PIC-PeCf P· C,C¶P¶PePsC¶ PSPëC¶PePsPiPsC¶
 PSPμPrPsCfC,P°C,PSC-CfC,C¶ (PrPëPI. C¶PsP·PrC-P» B«P¶PīPsCfC-P±
 P·P°CfC,PsCfCfPIP°PSPSC¶ C,P° PrPsP·PëB») P°P±Ps C¶PsP·P»P°PrP°PjPë
 C†PμPSC,C¶P°P»CHPSPsC— PSPμC¶PIPsPiPsC— CfPëCfC,PμPjPë. PīPeC%oPs
 PīC-PrPsP·C¶C¶C”C,C¶CfC¶ PμPSC†PμC,,P°P»PsPīP°C,C-C¶, PīPsPIB¶™ C¶P·P°PSP° C-P·
 P·P°CfC,PsCfCfPIP°PSPSC¶Pj C†PμC,,C,C¶C-P°PeCfPsPSCf (PSP°PīC¶PëPeP»P°Pr,
 P·PSPëP¶PμPSPSC¶ C¶C-PIPSC¶ CfPIC-PrPsPjPsCfC,C-, P·PjC-PSP° PīCfPëC...C-C±PSPsPiPs
 CfC,P°PSCf, PjC-PsPeP»PsPSC-C¶, CfCfPrPsPjPë), CfP»C-Pr C¶PsP·PiP»C¶PSCfC,Pë
 PīPëC,P°PSPSC¶ PīC¶Ps PīC¶PëPīPëPSPμPSPSC¶ P·P°CfC,PsCfCfPIP°PSPSC¶
 C†PμC,,C,C¶C-P°PeCfPsPSCf.

P PμP°PeC†C-C¶ PīC¶PëC¶P° B¶” P”PμC¶PeCfPiPμPNëPjPμC¶P°.

Pj PrPμC¶PePëC... PīP°C†C-C”PSC,C-PI, C¶PeC- PjP°C¶C,C¶ C-PSC,,PμPeC†C-C¶,
 CfPīC¶PëC±PëPSPμPSCf CfPīC-C¶PsC...PμC,P°PjPë, PjPsP¶Pμ PIPëPSPëPeP°C,Pë
 C¶PμP°PeC†C-C¶ PīC¶PëC¶P° B¶” P”PμC¶PeCfPiPμPNëPjPμC¶P° PsPrC¶P°P·Cf PīC-CfP»C¶
 PīPsC±P°C,PeCf C,PμC¶P°PīC-C— C†PμC,,C,C¶PëP°PeCfPsPSPsPj. PīC¶ C¶PμP°PeC†C-C¶
 P·P°P·PIPëC±P°PNë C” CfP°PjPsPsP±PjPμP¶CfPIP°P»CHPSPëPj CfC,P°PSPsPj P°P±Ps PjPsP¶Pμ
 P±CfC,Pë PIPëP»C-PeCfPIP°PSP° P·P° PrPsPīPsPjPsPiPsC¶ CfPëPjPīC,PsPjP°C,PëC±PSPsPiPs

P»C-PeCfPIP°PSPSCЦ. PдCђPө PIPөPSPөPePSPμPSPSC- C†C-C”C— CђPμP°PeC†C-C—
P·P°CfC,PsCfCfPIP°PSPSCЦ P°PSC,PөP±C-PsC,PөPeP° PjPsP¶PSP° PSPμ PiCђPөPiPөPSCЦC,Pө.

PдCђPμPiP°CђP°C, PjPsP¶Pμ P·P±C-P»CHC€CfPIP°C,Pө PiCђPsC,CђPsPjP±C-PSPsPIPөPNө
C†P°Cf. Pj P·PIвђ™ CЦP·PeCf P· C†PөPj PiCђPө PiC-PrPsP·CђC- PSP° PrPμC,,C-C†PөC,
PIC-C,P°PjC-PSCf Pђ PSPμPsP±C...C-PrPSPs PIPөP·PSP°C†P°C,Pө
PiCђPsC,CђPsPjP±C-PSPsPIPөPNө C†P°Cf.

PђPsP»C-C,/PSP°PrPjC-CђPSPөPNө CђC-CfC, PSPμC†CзC,P»PөPIPөC...
PjC-PeCђPsPsCђPiP°PSC-P·PjC-PI.

PкP° C,P»C- P·P°CfC,PsCfCfPIP°PSPSCЦ PiCђP°PeC,PөC†PSPs PICfC-C...
P°PSC,PөP±P°PeC,PμCђC-P°P»CHPSPөC... PiCђPμPiP°CђP°C,C-PI, C† C,PsPjC† C†PөCfP»C- C-
C†PμC,,C,CђC-P°PeCfPsPSCf C,P° CfCfP»CHP±P°PeC,P°PjC†, PjPsP¶P»PөPiPμ
PIPөPSPөPePSPμPSPSCЦ PrC-P°CђPμC—, P°CfPsC†C-PNөPsPIP°PSPsC— P· *Clostridium difficile*,
PIC-Pr P»PμPiPePsPiPs CfC,C†PiPμPSCЦ C,CЦP¶PePsCfC,C- PrPs PePsP»C-C,C† P·
P»PμC,P°P»CHPSPөPj PSP°CfP»C-PrPePsPj. PhPSC,PөP±P°PeC,PμCђC-P°P»CHPSC-
PiCђPμPiP°CђP°C,Pө P·PjC-PSCђCђC,CH PSPsCђPjP°P»CHPSCf C,,P»PsCђC† C,PsPICfC,PsPiPs
PePөC€PμC†PSPөPeCf, C%Ps PiCђPөP·PiPsPrPөC,CH PrPs PSP°PrPjC-CђPSPsPiPs CђPsCfC,C†
Clostridium difficile. *Clostridium difficile* PiCђPsPrC†PeCfC” C,PsPeCfPөPSPө Ph C,P° P’, C%Ps
CfPiCђPөCЦCђC,CH CђPsP·PIPөC,PeC† PrC-P°CђPμC—, P°CfPsC†C-PNөPsPIP°PSPsC— P·
Clostridium difficile. PөC,P°PjPө *Clostridium difficile*, CЦPeC- PSP°PrPjC-CђPSPs
PiCђPsPrC†PeCfCђC,CH C,PsPeCfPөPSPө, CfPiCђPөC†PөPSCЦCђC,CH PiC-PrPIPөC%PμPSCf
P·P°C...PiPsCђCђPIP°PSC-CfC,CH C,P° P»PμC,P°P»CHPSC-CfC,CH, PsCfPeC-P»CHPePө C†C-
C-PSC,,PμPeC†C-C— PjPsP¶C†C,CH P±C†C,Pө CђPμP·PөCfC,PμPSC,PSPөPjPө PrPs
P°PSC,PөPjC-PeCђPsP±PSPөC... P·P°CfPsP±C-PI C,P° PiPsC,CђPμP±C†PIP°C,Pө
PePsP»PμPeC,PsPjC-C—. P”C-P°CђPμCђ, P°CfPsC†C-PNөPsPIP°PSCf P· *Clostridium difficile*,
PSPμPsP±C...C-PrPSPs PIPөPeP»CђC†PөC,Pө C† PICfC-C... PiP°C†C-C”PSC,C-PI PiC-Pr C†P°Cf
P·P°CfC,PsCfCfPIP°PSPSCЦ P°PSC,PөP±C-PsC,PөPeC-PI. PкPμPsP±C...C-PrPSPs
P·C-P±CђP°C,Pө PrPμC,P°P»CHPSPөPNө PjPμPrPөC†PSPөPNө P°PSP°PjPSPμP·,
PsCfPeC-P»CHPePө PrC-P°CђPμCЦ, P°CfPsC†C-PNөPsPIP°PSP° P· *Clostridium difficile*, PjPsP¶Pμ
PIPөPSPөPeP°C,Pө PiCђPsC,CЦPiPsPjB B B 2-C... PjC-CfCЦC†C-PI PiC-CfP»CЦ
P·P°PeC-PSC†PμPSPSCЦ P·P°CfC,PsCfCfPIP°PSPSCЦ P°PSC,PөP±P°PeC,PμCђC-P°P»CHPSPөC...
P·P°CfPsP±C-PI. PђP»C-Pr PsP±PjC-CђPeCfPIP°C,Pө PiCђPөPiPөPSPμPSPSCЦ C,PμCђP°PiC-C—
C†PμC,,C,CђPөP°PeCfPsPSPsPj C,P° P·P°CfC,PsCfCfPIP°PSPSCЦ PIC-PrPiPsPIC-PrPSPөC...
P·P°CfPsP±C-PI PiCђPsC,Pө *Clostridium difficile*. P·C-PeP°CђCfCHPeC- P·P°CfPsP±Pө, C%Ps
PiCђPөPiPSC-C†C†CђC,CH PiPμCђPөCfC,P°P»CHC,PөPeC†, P·P°CfC,PsCfPsPICfPIP°C,Pө PSPμ
CfP»C-Pr.

PiPe C- PiCђPө P·P°CfC,PsCfCfPIP°PSPSC- C-PSCөPөC...
P°PSC,PөP±P°PeC,PμCђC-P°P»CHPSPөC... P·P°CfPsP±C-PI, PjPsP¶C†C,CH PIPөPSPөPeP°C,Pө
CfC†PiPμCђC-PSC,,PμPeC†C-C—, CfPiCђPөC†PөPSPμPSC- PSPμC†C†C,P»PөPiPөPjPө PrPs
PiCђPμPiP°CђP°C,C† PjC-PeCђPsPsCђPiP°PSC-P·PjP°PjPө.

P—P° PeP»C-PSC-C†PSPөPjPө PiPsPeP°P·P°PSPSCЦPjPө CfP»C-Pr PiCђPөP·PSP°C†PөC,Pө
PIC-PrPiPsPIC-PrPSC† PeC-P»CHPeC-CfC,CH CђC-PrPөPSPө C,P° PμP»PμPeC,CђPsP»C-C,C-PI,
P±C-P»PePsPIPөC... PrPsP±P°PiPsPe, P°PSC,PөP±C-PsC,PөPePsC,PμCђP°PiC-Cђ, PrPs
CЦPePsC— C†C†C,P»PөPiP° *Clostridium difficile* C,P° C...C-CђC†CђPiC-C†PSPμ
PsP±CfC,PμP¶PμPSPSCЦ.

PдCђPsC,CЦPiPsPj C,CђPөPiP°P»PsPiPs P·P°CfC,PsCfCfPIP°PSPSCЦ
C†PμC,,C,CђC-P°PeCfPsPSCf PjPsP¶P»PөPIC- C,CђC†PrPSPsC%C- C†

PePsPSC,CTjPsP»CHPIP°PSPSC- PSPμC†C†C,P»PëPIPëC... PrPs PïCTjPμPïP°CTjP°C,C†
PjC-PeCTjPsPsCTjPiP°PSC-P·PjC-PI. PJ P·PIBTM C†P·PeC† P· C†PëPj PSPμPsP±C...C-PrPSPëPNë
CTjPμC,PμP»CHPSPëPNë PSP°PiP»C†P Pr P·P° PïP°C†C-C°PSC,P°PjPë. PμCTjPë
PIPëPSPëPePSPμPSPSC- C†C†PïPμCTjC-PSC,,PμPeC†C-C— PSPμPsP±C...C-PrPSPs PIP¶PëC,Pë
PIC-PrPïPsPIC-PrPSC- P·P°C...PsPrPë.

PYPIPμPeC,CTj P°PSC,PëP±P°PeC,PμCTjC-P°P»CHPSPsC— P°PeC,PëPIPSPsC†C,C-.

PiPμC,,C,CTjPëP°PeC†PsPS PjP°C° PsP±PjPμP¶PμPSPëPNë C†PïPμPeC,CTj
P°PSC,PëP±P°PeC,PμCTjC-P°P»CHPSPsC— P°PeC,PëPIPSPsC†C,C- C- PjPsP¶Pμ P±C†C,Pë
PSPμPïCTjPëPrP°C,PSPëPj PrP»C† P·P°C†C,PsC†C†PIP°PSPSC† PI C†PePsC†C,C-
PjPsPSPsC,PμCTjP°PïC-C— PïCTjPë P»C-PeC†PIP°PSPSC- PïPμPIPSPëC... C,PëPïC-PI
C-PSC,,PμPeC†C-C—, PeCTjC-Pj PIPëPïP°PrPeC-PI, PePsP»Pë P·P±C†PrPSPëPe PIP¶Pμ
PïC-PrC,PIPμCTjPrP¶PμPSPëPNë (PrPëPI. CTjPsP·PrC-P» B«B«PYPIPsC†C-P±
P·P°C†C,PsC†C†PIP°PSPSC† C,P° PrPsP·PëB»). PJ PIPëPïP°PrPeC†
PïPsP»C-PjC-PeCTjPsP±PSPëC... C-PSC,,PμPeC†C-PNë, PePsP»Pë C†PμCTjPμPr
PïC-PrPsP·CTjCTjPIP°PSPëC... P·P±C†PrPSPëPeC-PI C° CTjPμP·PëC†C,PμPSC,PSC- PrPs
C†PμC,,C,CTjPëP°PeC†PsPSC† PjC-PeCTjPsPsCTjPiP°PSC-P·PjPë, C†P»C-Pr CTjPsP·PiP»C†PSC†C,Pë
P·P°C†C,PsC†C†PIP°PSPSC† PrPsPrP°C,PePsPIPëC... P°PSC,PëP±C-PsC,PëPeC-PI.

P-PsPIC†PsPeP°PjβTM C†PSP° C...PIPSCtjPsP±P°.

PJ PIPëPïP°PrPeC† PSP°C†PIPSPsC†C,C- PSP° C†PsPSPsPiCTjP°PjC- C,C-PSPμPNë C†P»C-Pr
P·PIP°P¶PëC,Pë PSP° PjPsP¶P»PëPIC-C†C,CH C†C,PIPsCTjPμPSPSC† PïCTjPμC†PëPïC-C,P°C,C-PI
PeP°P»CHC†C-C°PIPsC— C†PsP»C- C†PμC,,C,CTjPëP°PeC†PsPSC†. P—P°C,C-PSPμPSPSC†, C%Ps
PïPsPjPëP»PePsPIPs PIPIP°P¶P°P»PëC†C† P¶PsPIC†PSPëPjPë PeP°PjPμPSC†PjPë,
C†PïPsC†C,PμCTjC-PiP°P»PëC†C† PSP° C†PsPSPsPiCTjP°PjP°C... P¶PsPIC†PSPsPiPs
PjC-C...C†CTjP°, C- C†P°C†C,PsC,P° C—C... PIPëPSPëPePSPμPSPSC† P·CTjPsC†C,P°P»P° PïCTjPë
P·P°C†C,PsC†C†PIP°PSPSC- C†PμC,,C,CTjPëP°PeC†PsPSC† C† PrPsP·C- 1 Pi/PrPsP±C† C,P°
PIPëC%Pμ. PhC†PsP±P»PëPIPsC— PsP±PμCTjPμP¶PSPsC†C,C- C†P»C-Pr
PrPsC,CTjPëPjC†PIP°C,PëC†C† PïCTjPë P·P°C†C,PsC†C†PIP°PSPSC- PïCTjPμPïP°CTjP°C,C†
PrC-C,C†Pj. PÿP°PeC- PïCTjPμC†PëPïC-C,P°C,Pë P·PSPëPeP°CTjC,CH PïC-C†P»C†
PïCTjPëPïPëPSPμPSPSC† C,PμCTjP°PïC-C— C†PμC,,C,CTjPëP°PeC†PsPSPsPj.

PJ CTjC-PrPeC-C†PSPëC... PIPëPïP°PrPeP°C... C†C,PIPsCTjPμPSPSC† PïCTjPμC†PëPïC-C,P°C,C-PI
PeP°P»CHC†C-C°PIPsC— C†PsP»C- C†PμC,,C,CTjC-P°PeC†PsPSC†
C†C†PïCTjPsPIPsPrP¶C†PIP°P»PsC†C† C†PëPjPïC,PsPjP°C,PëPePsCTj. PJ CTjP°P·C-
PSP°C†PIPSPsC†C,C- C†PëPjPïC,PsPjC-PI CTjPμPePsPjPμPSPrC†C°C,CHC†C†
PePsPSC†PμCTjPIP°C,PëPIPSPμ PSPμC...C-CTjC†CTjPiC-C†PSPμ P»C-PeC†PIP°PSPSC†, C-
P»C-PeP°CTj PjP°C° PïCTjPëPNëPSC†C,Pë CTjC-C€PμPSPSC† PïCTjPs PïCTjPëPïPëPSPμPSPSC†
P·P°C†C,PsC†C†PIP°PSPSC† PïCTjPμPïP°CTjP°C,C†, C†PïPëCTjP°CTjC†PëC†CH PSP°
CTjPμP·C†P»CHC,P°C,Pë PsC†C-PSPëPë PePsCTjPëC†C,C--CTjPëP·PëPeC†
PePsPSPeCTjPμC,PSPsPiPs PIPëPïP°PrPeC† (PrPëPI. CTjPsP·PrC-P» B«PμPsP±C-C†PSC-
CTjPμP°PeC†C-C—B»).

P-PsPIC†PSPëPNë C†C,P°P·.

PJ C...PIPsCTjPëC..., C†PePëPj PIPsPrPëP»Pë C†PμC,,C,CTjC-P°PeC†PsPS, PsPïPëC†P°PSC-
PïPsPsPrPëPSPsPeC- PIPëPïP°PrPePë PïP°PSPeCTjPμP°C,PëC,C†, C%Ps CTjPsP·PIPëPSC†PIC†C†,
PjPsP¶P»PëPIPs, PIPSP°C†P»C-PrPsPe PsP±C†C,CTjC†PeC†C-C— P¶PsPIC†PsPIPëPIC-PrPSPëC...
C€P»C†C...C-PI. P°C-P»CHC€C-C†C,CH C-P· C,P°PePëC... PïP°C†C-C°PSC,C-PI PjP°P»Pë
C,,P°PeC,PsCTjPë CTjPëP·PëPeC† CTjPsP·PIPëC,PeC† C...PsP»PμC†C,P°P·C† C,P°

СрС,PIPsCтPμPSPSCЦ P±C-P»C-P°CтPSPsPiPs CтP»P°PrP¶Cт, C,P°PeC- CцPe
PiPsPiPμCтPμPrPSCЦ P·PSP°C±PSP° C,PμCтP°PiC-Cц, C,CцP¶PeP° C...PIPsCтPsP±P° C,P°
PiPsPiPSPμ PiP°CтPμPSC,PμCтP°P»CтPSPμ C...P°CтC±CтPIP°PSPSCЦ. PкPμ PjPsP¶PSP°
PIPëPeP»CтC±P°C,Pë, C%Ps C-PSC-CтC-CтCтC±PëPj P°P±Ps PrPsPrP°C,PePsPIPëPj
C,,P°PeC,PsCтPsPj CтPsP·PIPëC,PeCт CтCтPsPiPs PiPsCтCтCтPμPSPSCЦ PjPsP¶Pμ P±CтC,Pë
CтC,PIPsCтPμPSPSCЦ Cт P¶PsPIC±PSPëC... CëP»CцC...P°C... PiCтPμCтPëPiC-C,P°C,C-PI
PIPSP°CтP»C-PrPsPe P·P°CтC,PsCтCтPIP°PSPSCЦ PiCтPμPiP°CтP°C,Cт
PŸCтP»CтP±P°PeC,PsPjP°PeCт.

PкPëCтPePsPIPsPeP°Pjë™ CцPSP° C...PIPsCтPsP±P°.

P—P°CтPμC”CтC,CтPsPIP°PSC- PIPëPiP°PrPePë CтC,PIPsCтPμPSPSCЦ PSPëCтPePsPIPëC...
PeP°PjPμPSC-PI, C%Ps P·PSPëPeP°P»Pë PiC-CтP»Cц PiCтPëPiPëPSPμPSPSCЦ
P·P°CтC,PsCтCтPIP°PSPSCЦ CтPμC,,C,CтC-P°PeCтPsPSCт (PrPëPI. CтPsP·PrC-P»
B«PμPsP±C-C±PSC- CтPμP°PeCтC-C—B»). PJ PIPëPiP°PrPeCт PSP°CцPIPSPsCтC,C-
CтPëPjPiC,PsPjC-PI CтP»C-Pr P·CтPsP±PëC,Pë CтP»CтC,CтP°P·PICтPePsPIPμ
PsP±CтC,PμP¶PμPSPSCЦ. P C-CëPμPSPSCЦ C%PsPrPs P·P°CтC,PsCтCтPIP°PSPSCЦ
PiCтPμPiP°CтP°C,Cт PiP°CтC-C”PSC,P°Pj C-P· PSP°CцPIPSC-CтC,Cт PI P°PSP°PjPSPμP·C-
PSPëCтPePsPIPëC... PeP°PjPμPSC-PI P°P±Ps PiC-PiPμCтPeP°P»CтCтC-CтCтC-C—
PiCтPëPμPjP°C” P»C-PeP°Cт, CтPiPëCтP°CтC±PëCтCт PSP° CтPμP·CтP»CтC,P°C,Pë
PsCтC-PSPëPë PePsCтPëCтC,C--CтPëP·PëPeCт PePsPSPeCтPμC,PSPsPiPs PIPëPiP°PrPeCт.

P”C-C,Pë.

PiPμC,,C,CтC-P°PeCтPsPS, C%Ps PIC...PsPrPëC,Cт PrPs CтPeP»P°PrCт PiCтPμPiP°CтP°C,Cт,
PjPsP¶Pμ PIPëC,C-CтPSCЦ,C,Pë P±C-P»C-CтCтP±C-PS P·C- P·PiBт™ CцP·PeCт P·
P°P»CтP±CтPjC-PSPsPj CтPëCтPsPIP°C,PePë PeCтPsPIC-. PJ P·PiBт™ CцP·PeCт P· CтPëPj
P·P°CтC,PsCтCтPIP°PSPSCЦ CтPμC,,C,CтC-P°PeCтPsPSCт PiCтPsC,PëPiPsPeP°P·P°PSPs
PSPμPrPsPSPsCëPμPSPëPj C,P° PrPsPSPsCëPμPSPëPj PSPsPIPsPSP°CтPsPrP¶PμPSPëPj,
CцPePëPj P·P°PiCтPsP¶CтC” CтPëP·PëPe CтPsP·PIPëC,PeCт P±C-P»C-CтCтP±C-PSPsPIPsC—
PμPSCтPμC,,P°P»PsPiP°C,C-C— (PrPëPI. CтPsP·PrC-P» B«PμCтPsC,PëPiPsPeP°P·P°PSPSCЦB»).

PŸCцP¶PeP° PSPëCтPePsPIP° C,P° PiPμC±C-PSPePsPIP° PSPμPrPsCтC,P°C,PSC-CтC,Cт.

PJ PIPëPiP°PrPeCт C,CцP¶PePsC— PSPëCтPePsPIPsC— C,P° PiPμC±C-PSPePsPIPsC—
PSPμPrPsCтC,P°C,PSPsCтC,C- CтPμPePsPjPμPSPrPsPIP°PSPëPμ CтPμC,PμP»CтPSPëPμ
PeP»C-PSC-C±PSPëPμ PjPsPSC-C,PsCтPëPSPi P±PμP·PiPμPePë C,P° PμC,,PμPeC,PëPIPSPsCтC,C-
PiCтPμPiP°CтP°C,Cт (PrPëPI. CтPsP·PrC-P» B«PŸPiPsCтC-P± P·P°CтC,PsCтCтPIP°PSPSCЦ C,P°
PrPsP·PëB»).

PJ C...PIPsCтPëC... C-P· PiPsCтCтCëPμPSPsCт C,,CтPSPeCтC-C”Cт PSPëCтPsPe, P·P°
CтPjPsPIPë PSPsCтPjP°P»CтPSPsC— C,,CтPSPeCтC-C— PiPμC±C-PSPePë, PrPsP·Cт
PŸCтP»CтP±P°PeC,PsPjP°PeCтCт P·PjPμPSCëCтPIP°C,Pë PSPμ PiPsC,CтC-P±PSPs. PμCтPë
PSPμPrPsCтC,P°C,PSPsCтC,C- PSPëCтPsPe (PeP»C-CтPμPSCт PeCтPμP°C,PëPSC-PSCт
PSPëP¶C±Pμ

10 PjP»/C...PI) PSPμPsP±C...C-PrPSPs, C%PsP± PrPsP±PsPIP° PrPsP·P°
CтPμC,,C,CтC-P°PeCтPsPSCт PSPμ PiPμCтPμPIPëC%CтPIP°P»P° 2 Pi.

PJ C...PIPsCтPëC... C-P· PiPsCтCтCëPμPSPsCт C,,CтPSPeCтC-C”Cт PiPμC±C-PSPePë, P·P°
CтPjPsPIPë P·P±PμCтPμP¶PμPSPSCЦ C,,CтPSPeCтC-C— PSPëCтPsPe, PrPsP·Cт
PŸCтP»CтP±P°PeC,PsPjP°PeCтCт P·PjPμPSCëCтPIP°C,Pë PSPμPjP°C”

PSPμPsP±C...C-PrPSPsCfC,C-.

PJ PIPëPïP°PrPeP°C... PsPrPSPsC±P°CfPSPsC— PSP°CfPIPIPSPsCfC,C- C,CfP¶PePsC—
PïP°C,PsP»PsPiC-C— PïPμC±C-PSPePë C- PSPëCfPSPe PePsPSC†PμPSC,CfP°C†C-Cf
C†PμC,,C,CfC-P°PeCfPSPSCr Cr CfPëCfPSPiP°C,C†C- PeCfPSPiC- PSPμPsP±C...C-PrPSPs
CfPμPiCfP»CfCfPSPs PePsPSC,CfPSP»CfPiP°C,Pë. PJ C...PIPsCfPëC..., CfPeC-
PïPμCfPμP±CfPiP°CfC,Ch PSP° PiPμPjPsPrC-P°P»C-P·C-, PrPsP·Cf PïCfPμPïP°CfP°C,Cf
PiC-CfP»Cf PïCfPSPiPμPrPμPSPSCf C†C-C" C— PïCfPSC†PμPrCfCfPë P·PjC-PSCfPiP°C,Pë
PSPμPjP°C" PSPμPsP±C...C-PrPSPsCfC,C-.

PŸP»C-Pr PIPëCfPIIP»CfC,Pë PsP±PμCfPμP¶PSC-CfC,Ch PïCfPë P·P°CfC,PsCfCrPiP°PSPSC-
C†PμC,,C,CfC-P°PeCfPSPSCr C...PIPsCfPëPj C-P· PSPëCfPePsPiPsCf
PSPμPrPsCfC,P°C,PSC-CfC,Ch, CfPeC- PsPrPSPsC±P°CfPSPs PsC,CfPëPjCfCfC,Ch
P°PjC-PSPsPiP»C-PePsP·PëPrPë C,P° PrC-CfCfPμC,PëPePë.

P'P·P°C" PjPsPrC-Cf P· P»C-PeP°CfCfChPePëPjPë P·P°CfPsP±P°PjPë, C%Ps PjC-CfC,CfC,Ch
PeP°P»ChC†C-PNë.

PJ PSPμPrPsPSPsCëPμPSPëC... C,P° PrPsPSPsCëPμPSPëC... PSPμPjPsPiP»CfC, PiC-PePsPj
PjPμPSCëPμ 1 PjC-CfCfC†Cf PsPïPëCfP°PSC- PIPëPïP°PrPePë CrC,PIPsCfPμPSPSCf
PïCfPμC†PëPïC-C,P°C,C-PI PeP°P»ChC†C-C"PIPsC— CfPsP»C- C†PμC,,C,CfC-P°PeCfPSPSCr Cr
P»PμPiPμPSCfC... C,P° PSPëCfPeP°C... C-P· P»PμC,P°P»ChPSPëPjPë PSP°CfP»C-PrPeP°PjPë.
P©PsPSP°PNëPjPμPSCëPμ PsPrPSPsPjCr C-P· C†PëC... PïP°C†C-C"PSC,C-PI
C†PμC,,C,CfC-P°PeCfPSPS C,P° PeP°P»ChC†C-PNë PIPiPsPrPëP»Pë Cr CfC-P·PSPëPNë C±P°Cf
C,P° C±PμCfPμP· CfC-P·PSC- PIPSCrC,CfC-CëPSCfPsPiPμPSPSC- C-PSC,,CfP·C-PNëPSC-
CfPëCfC,PμPjPë. P—PiC-PrPSPs P· PSP°CfPIPIPSPëPjPë PSP°CfPePsPiPëPjPë PrP°PSPëPjPë, PSPμ
P·P°CfPμC"CfC,CfPSPiP°PSPs PiC-PrC,PIPμCfPrP¶PμPSPëC... PIPëPïP°PrPeC-PI
CrC,PIPsCfPμPSPSCf PIPSCrC,CfC-CëPSCfPsCfCrPrPëPSPSPëC... PïCfPμC†PëPïC-C,P°C,C-PI,
PeCfC-Pj CfPe Cr PSPsPiPsPSP°CfPSPrP¶PμPSPëC..., CfPePëPj PIPiPsPrPëP»Pë
C†PμC,,C,CfC-P°PeCfPSPS C,P° PeP°P»ChC†C-PNëPIPjC-CfPSC- CfPSP·C†PëPSPë P°P±Ps
P±CfPrCh-CfPeC- C-PSCëC- PeP°P»ChC†C-PNëPIPjC-CfPSC- PïCfPμPïP°CfP°C,Pë. PJ
PrPsCfP»C-PrP¶PμPSPSCfC... C-n vitro P±CfP»Ps PïPsPeP°P·P°PSPs, C%Ps
PSPsPiPsPSP°CfPSPrP¶PμPSPëPj P·P°PiCfPSP¶CrC" PiC-PrPiPëC%PμPSPëPNë CfPëP·PëPe
CrC,PIPsCfPμPSPSCf PïCfPμC†PëPïC-C,P°C,C-PI PeP°P»ChC†C-C"PIPsC— CfPsP»C-
C†PμC,,C,CfC-P°PeCfPSPSCr PïPsCfC-PIPSCfPSPs P· PïP°C†C-C"PSC,P°PjPë C-PSCëPëC...
PiC-PePsPiPëC... PiCfCrPï.

PμCfPë P·P°CfC,PsCfCrPiP°PSPSC- C†PμC,,C,CfC-P°PeCfPSPSCr PïP°C†C-C"PSC,P°Pj
P±CfPrCh-CfPePsPiPs PiC-PeCr PïCfPμPïP°CfP°C, PSPμ PjPsP¶PSP° P·PjC-CëCfPiP°C,Pë
P°P±Ps PIPiPsPrPëC,Pë PsPrPSPsC±P°CfPSPs P· P±CfPrCh-CfPePëPjPë CfPSP·C†PëPSP°PjPë
PrP»Cf PIPSCrC,CfC-CëPSCfPsPiPμPSPSPsPiPs PIPiPμPrPμPSPSCf, C%Ps PjC-CfC,CfC,Ch
PeP°P»ChC†C-PNë, PSP°PiC-C,Ch PïCfPë PIPëPePsCfPëCfC,P°PSPSC- CfC-P·PSPëC...
C-PSC,,CfP·C-PNëPSPëC... CfPëCfC,PμPj P°P±Ps PIPiPμPrPμPSPSC- PïCfPμPïP°CfP°C,C-PI Cr
CfC-P·PSC- C-PSC,,CfP·C-PNëPSC- PrC-P»CfPSPePë. PμCfPSP,C,Pμ PïP°C†C-C"PSC,P°Pj
PiC-PePsPj PiC-Pr 28 PrPSC-PI C†PμC,,C,CfC-P°PeCfPSPS C,P° PeP°P»ChC†C-PNëPIPjC-CfPSC-
CfPSP·C†PëPSPë PjPsP¶PSP° PIPiPsPrPëC,Pë PïPsCfP»C-PrPsPiPSPs, PsPrPëPS PiC-CfP»Cf
PsPrPSPsPiPs, P·P° CrPjPsPiPë PIPiPμPrPμPSPSCf PïCfPμPïP°CfP°C,C-PI C±PμCfPμP·
CfC-P·PSC- C-PSC,,CfP·C-PNëPSC- CfPëCfC,PμPjPë Cr CfC-P·PSC- PrC-P»CfPSPePë C,C-P»P°
P°P±Ps P·P°PjC-PSPë C†Pë CfPμC,PμP»ChPSPsPiPs PïCfPSPjPëPiP°PSPSCf
C-PSC,,CfP·C-PNëPSPsC— CfPëCfC,PμPjPë PjC-P¶ PIPiPμPrPμPSPSCfPj C†PëC... P·P°CfPsP±C-PI
C,,C-P·C-PsP»PsPiC-C†PSPëPj CfPsP»ChPsPiPëPj CfPSP·C†PëPSPsPj, C%PsP±
P·P°PïPsP±C-PiC,Pë CrC,PIPsCfPμPSPSCf PïCfPμC†PëPïC-C,P°C,Cr. PμP°C†C-C"PSC,P°Pj,

CΠPeC- ΠiPsC, CηPμP±CfCηC, CH ΠiPsCfC, C-ΠNεPSPëC... C-PSC,, CfP·C-ΠNε
 PeP°P»CHC†C-ΠNεPIPJc-CfPSPëC... CηPsP·C†PëPSC-PI PrP»CΠ ΠiPsPIPSPiPs
 ΠiP°CηPμPSC, PμCηP°P»CHPSPsPiPs C...P°CηC†CfPIP°PSPSCΠ (PμPμPΓ), PjPμPrPëC†PSC-
 ΠiCηP°C†C-PIPSPëPePë PjPsP¶CfC, CH ΠiCηPëP·PSP°C†PëC, Pë P°P»CHC, PμCηPSP°C, PëPIPS-
 P°PSC, PëP±P°PeC, PμCηC-P°P»CHPSC- P·P°CfPsP±Pë, P·P°CfC, PsCfCfPIP°PSPSCΠ CΠPePëC...
 PSPμ ΠiPsPIBη™ CΠP·P°PSPμ P· ΠiPsPrC-P±PSPëPj CηPëP·PëPePsPj CfC, PIPsCηPμPSPSCΠ
 ΠiCηPμC†PëPiC-C, P°C, C-PI. ΠiPeC%Ps P·P°CfC, PsCfCfPIP°PSPSCΠ
 C†PμC,, C, CηC-P°PeCfPsPSCf ΠiP°C†C-C" PSC, P°Pj, CΠPeC- ΠiPsC, CηPμP±CfCηC, CH
 ΠiPsCfC, C-ΠNεPSPsPiPs C...P°CηC†CfPIP°PSPSCΠ, PIPëP·PSP°PSPs PSPμPsP±C...C-PrPSPëPj,
 CηPsP·C†PëPSPë PrP»CΠ PμPμPΓ C, P° C†PμC,, C, CηC-P°PeCfPsPS PjPsP¶PSP° PIPiPsPrPëC, Pë
 PsPrPSPsC†P°CfPSPs, C...PsC†P° C- C†PμCηPμP· CηC-P·PSC- C-PSC,, CfP·C-ΠNεPSC-
 CfPëCfC, PμPjPë C, P° Cf CηC-P·PSC- PrC-P»CΠPSPëC C, C-P»P°. PÿP°PePsP¶
 PIPiPμPrPμPSPSCΠ CηPsP·C†PëPSC-PI PrP»CΠ PμPμPΓ PjPsP¶PSP° ΠiCηPëP·CfΠiPëPSPëC, Pë
 PSP° C†P°Cf C-PSC,, CfP·C-C— C†PμC,, C, CηC-P°PeCfPsPSCf C, P° ΠiCηPsPjPëC, Pë
 C-PSC,, CfP·C-ΠNεPSC- CfPëCfC, PμPjPë PjC-P¶ PIPiPμPrPμPSPSCΠPj CηPsP·C†PëPSC-PI (PrPëPI.
 CηPsP·PrC-P»Pë B«PμCηPsC, PëΠiPsPeP°P·P°PSPSCΠB», B«PμPsP±C-C†PSC-
 CηPμP°PeC†C-C—B» C, P° B«PκPμCfCfPjC-CfPSC-CfC, CHB»).

P†PjCéPSPsPsPiPsCfPμCηPμPrPePsPIP°PSP° PiPμPjPsP»C-C, PëC†PSP° P°PSPμPjC-CΠ.

P'PëΠiP°PrPePë C-PjCfPSPsPsPiPsCfPμCηPμPrPePsPIP°PSPsC— PiPμPjPsP»C-C, PëC†PSPsC—
 P°PSPμPjC-C— CfΠiPsCfC, PμCηC-ΠiP°P»PëCfCΠ Cf ΠiP°C†C-C" PSC, C-PI, CΠPeC-
 PsC, CηPëPjCfPIP°P»Pë P°PSC, PëP±P°PeC, PμCηC-P°P»CHPSC- P·P°CfPsP±Pë PeP»P°CfCf
 C†PμC,, P°P»PsCfΠiPsCηPëPSC-PI, PI C, PsPjCf C†PëCfP»C- C†PμC,, C, CηC-P°PeCfPsPS (PrPëPI.
 CηPsP·PrC-P» B«PμPsP±C-C†PSC- CηPμP°PeC†C-C—B»). PμCηPs PIPëΠiP°PrPePë
 C, CΠP¶PePsC— PiPμPjPsP»C-C, PëC†PSPsC— P°PSPμPjC-C—, Cf C, PsPjCf C†PëCfP»C-
 P»PμC, P°P»CHPSC-, ΠiPsPIC-PrPsPjP»CΠP»PsCfCΠ CΠPe Cf PrPsCηPsCfP»PëC...
 ΠiP°C†C-C" PSC, C-PI, C, P°Pe C- Cf PrC-C, PμΠNε.

ΠiPeC%Ps ΠiC-Pr C†P°Cf P·P°CfC, PsCfCfPIP°PSPSCΠ C†PμC,, C, CηC-P°PeCfPsPSCf Cf
 ΠiP°C†C-C" PSC, P° PIPëPSPëPeP°C" P°PSPμPjC-CΠ, CfP»C-Pr CηPsP·PiP»CΠPSCfC, Pë
 PrC-P°PiPSPsP· P°PSPμPjC-C—, P°CfPsC†C-ΠNεPsPIP°PSPsC— C-P·
 P·P°CfC, PsCfCfPIP°PSPSCΠPj C†PμC,, P°P»PsCfΠiPsCηPëPSCf, C, P° ΠiCηPëΠiPëPSPëC, Pë
 P·P°CfC, PsCfCfPIP°PSPSCΠ C†PμC,, C, CηC-P°PeCfPsPSCf PrPs PICfC, P°PSPsPIP»PμPSPSCΠ
 PμC, C-PsP»PsPiC-C— P·P°C...PIPSCηCηPIP°PSPSCΠ.

P"PsPIPiPsC, CηPëPIP°P»Pμ P»C-PeCéPIP°PSPSCΠ.

PμC-Pr C†P°Cf C, CηPëPIP°P»PsPiPs P»C-PeCfPIP°PSPSCΠ CfP»C-Pr CηPμPiCfP»CΠCηPSPs
 PePsPSC, CηPsP»CηPIP°C, Pë PeP°CηC, PëPSCf PeCηPsPIC-.

PκP°C, CηC-ΠNε.

PιPμC,, C, CηC-P°PeCfPsPSCf PSP°C, CηC-C"PIP° CfC-P»CH C, P° CfCfP»CHP±P°PeC, P°PjCf
 PSP°C, CηC-C"PIP° CfC-P»CH PjC-CfC, CΠC, CH PSP°C, CηC-ΠNε, C%Ps PSPμPsP±C...C-PrPSPs
 PICηP°C...CfPIP°C, Pë ΠiP°C†C-C" PSC, C-PI, CΠPeC- PrPsC, CηPëPjCfCηC, CHCfCΠ PrC-C"C, Pë P·
 PsP±PjPμP¶PμPSPëPj PIPjC-CfC, PsPj PSP°C, CηC-Cη.

*P'ΠiP»PëPI PSP° CηPμP·CéP»CHC, P°C, Pë CfPμCηPsP»PsPiC-C†PSPëC...
 PrPsCfP»C-PrP¶PμPSCη.*

PμCηPë P·P°CfC, PsCfCfPIP°PSPSC- ΠiCηPμΠiP°CηP°C, Cf PÿCfP»CHP±P°PeC, PsPjP°PeCf

$P_{\parallel}P_{\mu}C_{,,}C,C_{\overline{H}}C-P^{\circ}PeC\acute{I}PsPS\ P\acute{I}C_{\overline{H}}PsPSP\ddot{e}PeP^{\circ}C''\ C\ddagger P_{\mu}C_{\overline{H}}P_{\mu}P\cdot\ P\ddot{I}P\gg P^{\circ}C\ddagger P_{\mu}PSC,P^{\circ}C_{\overline{H}}PSP\ddot{e}PN_{\S}$
 $P\pm P^{\circ}C_{\overline{H}}B_{\overline{H}}^{\text{TM}}C''C_{\overline{H}}\cdot\ P\ddagger C\acute{I}PSCrC_{\overline{H}}C,CH\ PsP\pm PjP_{\mu}P_{\parallel}P_{\mu}PSC-\ PrP^{\circ}PSC-\ C\%_{\circ}PsPrPs$
 $P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\sqcup\ C\ddagger P_{\mu}C_{,,}C,C_{\overline{H}}C-P^{\circ}PeC\acute{I}PsPSC\acute{r}\ PIP^{\circ}PiC-C, PSP\ddot{e}Pj\ P_{\parallel}C-PSPeP^{\circ}Pj\cdot$
 $P''PsC\acute{I}P\gg C-PrP_{\parallel}P_{\mu}PSPSC\sqcup\ PSP^{\circ}\ C,PIP^{\circ}C_{\overline{H}}P\ddot{e}PSP^{\circ}C\dots\ PSP_{\mu}\ C\acute{I}PIC-PrC\ddagger P^{\circ}C,CH\ P\acute{I}C_{\overline{H}}Ps$

$P \pm P_{\mu} P \cdot \tilde{P} i P s C \Gamma P_{\mu} C \tilde{H} P_{\mu} P r P S C - P N_{\circ} P^{\circ} P \pm P s P s \tilde{P} i P s C \Gamma P_{\mu} C \tilde{H} P_{\mu} P r P e P s P i P^{\circ} P S P \tilde{e} P N_{\circ}$
 $C \in P e C - P r P \gg P \tilde{e} P i P \tilde{e} P N_{\circ} P i P \tilde{P} \gg P \tilde{e} P i P S P^{\circ} P_{\mu} P j P \pm C \tilde{H} C - P s P S / P i P \gg C - P r, P i P_{\mu} C \tilde{H} P \tilde{e} - C, P^{\circ}$
 $P i P s C \Gamma C, P S P^{\circ} C, P^{\circ} P \gg C \tilde{H} P S P \tilde{e} P N_{\circ} C \tilde{H} P s P \cdot P i P \tilde{e} C, P s P e. P_{\mu} C - P r C \ddagger P^{\circ} C \Gamma P i P^{\circ} P i C - C, P S P s C \Gamma C, C -,$
 $P \cdot P s P e C \tilde{H} P_{\mu} P j P^{\circ} C r P \dagger C, C \tilde{H} P \tilde{e} P j P_{\mu} C \Gamma C, C \tilde{H} C -, C \dagger P_{\mu} C, C, C \tilde{H} C - P^{\circ} P e C \Gamma P s P S P j P s P \P P S P^{\circ}$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma P s P i C r P i P^{\circ} C, P \tilde{e}, P \gg P \tilde{e} C \in P_{\mu} C \sqcup P e C \% P s P e P s C \tilde{H} P \tilde{e} C \Gamma C, C \tilde{H} P i P_{\mu} C \tilde{H} P_{\mu} P i P \tilde{e} C \% C r C$
 $C \tilde{H} P \tilde{e} P \cdot P \tilde{e} P e.$

$P'' P s P r C \acute{z} P i P^{\circ} P S P S C \sqcup P i C \tilde{H} C \acute{z} P r P r C \tilde{H}.$

$P i P_{\mu} C, C, C \tilde{H} C - P^{\circ} P e C \Gamma P s P S P i C \tilde{H} P s P S P \tilde{e} P e P^{\circ} C'' C r P i C \tilde{H} C r P r P S P_{\mu} P j P s P \gg P s P e P s C r$
 $P S P \tilde{e} P \cdot C \tilde{H} P e P \tilde{e} C \dots P e P s P S C \dagger P_{\mu} P S C, C \tilde{H} P^{\circ} C \dagger C - C \sqcup C \dots, P^{\circ} P \gg P_{\mu} P i C \tilde{H} P \tilde{e} P \cdot P^{\circ} C \Gamma C, P s C \Gamma C r P i P^{\circ} P S P S C -$
 $P i C \tilde{H} P_{\mu} P i P^{\circ} C \tilde{H} P^{\circ} C, C r C r C, P_{\mu} C \tilde{H} P^{\circ} P i P_{\mu} P i C, P \tilde{e} C \ddagger P S P \tilde{e} C \dots P r P s P \cdot P^{\circ} C \dots P S P_{\mu}$
 $P s C \ddagger C - P e C r C'' C, C \tilde{H} C \Gamma C \sqcup P \P P s P r P S P s P i P s P i P \tilde{P} \gg P \tilde{e} P i C r P S P^{\circ} P i C \tilde{H} C r P r P S P \tilde{e} C \dots$
 $P S P_{\mu} P j P s P i P \gg C \sqcup C, P_{\mu} C \tilde{H} P s C, P_{\mu} P S P_{\mu} P j P s P \P P S P^{\circ} P i P \tilde{e} P e P \gg C \tilde{H} C \ddagger P^{\circ} C, P \tilde{e} C \tilde{H} P \tilde{e} P \cdot P \tilde{e} P e$
 $C \tilde{H} P s P \cdot P i P \tilde{e} C, P e C r P r C - P^{\circ} C \tilde{H} P_{\mu} C - C, P^{\circ} P i C \tilde{H} P \tilde{e} P \pm P e P s P i P s C - C - P S C, P_{\mu} P e C \dagger C - C -$
 $C \Gamma P \gg P \tilde{e} P \cdot P s P i P \tilde{e} C \dots P s P \pm P s P \gg P s P S P s P e. P \tilde{Y} P \gg C - P r P i C \tilde{H} P^{\circ} C \dots P s P i C r P i P^{\circ} C, P \tilde{e}$
 $P j P s P \P P \gg P \tilde{e} P i C - C \Gamma C, C \tilde{H} C \Gamma P_{\mu} P S C \Gamma P \tilde{e} P \pm C - P \gg C - P \cdot P^{\circ} C \dagger C - C - P_{\mu} P s C, C \tilde{H} C - P \pm P S P s$
 $P i C \tilde{H} P \tilde{e} P N_{\circ} P S C \sqcup C, P \tilde{e} C \tilde{H} C - C \in P_{\mu} P S P S C \sqcup C \% P s P r P s P i C \tilde{H} P \tilde{e} P i P \tilde{e} P S P_{\mu} P S P S C \sqcup$
 $P i P s P r C r P i P^{\circ} P S P S C \sqcup P i C \tilde{H} C r P r P r C \tilde{H} P^{\circ} P \pm P s P i C \tilde{H} P \tilde{e} P i P \tilde{e} P S P_{\mu} P S P S C \sqcup / P i C - P r P j P s P i P \tilde{e} P i C - P r$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C r P i P^{\circ} P S P S C \sqcup C \dagger P_{\mu} C, C, C \tilde{H} C - P^{\circ} P e C \Gamma P s P S C r P \cdot C r C \tilde{H} P^{\circ} C \dots C r P i P^{\circ} P S P S C \sqcup P j$
 $P e P s C \tilde{H} P \tilde{e} C \Gamma C, C - P i C - P r P i C \tilde{H} C r P r P S P s P i P s P i P s P r C r P i P^{\circ} P S P S C \sqcup P r P \gg C \sqcup P r P \tilde{e} C, P \tilde{e} P S P \tilde{e} C, P^{\circ}$
 $P e P s C \tilde{H} P \tilde{e} C \Gamma C, C - P i C - P r C, P_{\mu} C \tilde{H} P^{\circ} P i C - C - P r P \gg C \sqcup P \P C - P S P e P \tilde{e}.$

$P \propto P_{\mu} C \tilde{H} C, P \tilde{e} P \gg C \tilde{H} P S C - C \Gamma C, C \tilde{H}.$

$P j P r P s C \Gamma P \gg C - P r P \P P_{\mu} P S P S C \sqcup C \dots C \tilde{H} P_{\mu} P i C \tilde{H} P s P r C r P e C, P \tilde{e} P i P S P s C - C, C r P S P e C \dagger C - C - P S P_{\mu}$
 $P \pm C r P \gg P s P i P \tilde{e} C \sqcup P i P \gg P_{\mu} P S P s P s P \cdot P S P^{\circ} P e P S P_{\mu} P \pm P^{\circ} P \P P^{\circ} P S P s P i P s P i P \tilde{P} \gg P \tilde{e} P i C r P S P^{\circ}$
 $C \ddagger P s P \gg P s P i C - C \ddagger C r P^{\circ} P \pm P s P \P C - P S P s C \ddagger C r C, P_{\mu} C \tilde{H} C, P \tilde{e} P \gg C \tilde{H} P S C - C \Gamma C, C \tilde{H}.$

*$P - P r P^{\circ} C, P S C - C \Gamma C, C \tilde{H} P i P \tilde{P} \gg P \tilde{e} P i P^{\circ} C, P \tilde{e} P S P^{\circ} C \in P i P \tilde{e} P r P e C - C \Gamma C, C \tilde{H} C \tilde{H} P_{\mu} P^{\circ} P e C \dagger C - C - P i C \tilde{H} P \tilde{e}$
 $P e P_{\mu} C \tilde{H} C \acute{z} P i P^{\circ} P S P S C - P^{\circ} P i C, P s C, C \tilde{H} P^{\circ} P S C \Gamma P i P s C \tilde{H} C, P s P j P^{\circ} P \pm P s C - P S C \in P \tilde{e} P j P \tilde{e}$
 $P j P_{\mu} C \dots P^{\circ} P S C - P \cdot P j P^{\circ} P j P \tilde{e}.$*

$P' C - P r P i P s P i C - P r P S P \tilde{e} C \dots P r P s C \Gamma P \gg C - P r P \P P_{\mu} P S C \tilde{H} P S P_{\mu} P i C \tilde{H} P s P i P s P r P \tilde{e} P \gg P \tilde{e}. P j$
 $P \cdot P i \tilde{b} \tilde{H}^{\text{TM}} C \sqcup P \cdot P e C r P \cdot P j P s P \P P \gg P \tilde{e} P i C - C \Gamma C, C \tilde{H} P i P \tilde{e} P S P \tilde{e} P e P S P_{\mu} P S P S C \sqcup C, P^{\circ} P e P \tilde{e} C \dots$
 $P i P s P \pm C - C \ddagger P S P \tilde{e} C \dots C \tilde{H} P_{\mu} P^{\circ} P e C \dagger C - P N_{\circ}, C \sqcup P e P \cdot P^{\circ} P i P^{\circ} P j P s C \tilde{H} P s C \ddagger P_{\mu} P S P S C \sqcup,$
 $P \tilde{Y} C r P \gg C \tilde{H} P \pm P^{\circ} P e C, P s P j P^{\circ} P e C \Gamma P j P s P \P P_{\mu} P i P \tilde{P} \gg P \tilde{e} P i P^{\circ} C, P \tilde{e} P S P^{\circ} P \cdot P r P^{\circ} C, P S C - C \Gamma C, C \tilde{H}$
 $P e P_{\mu} C \tilde{H} C r P i P^{\circ} C, P \tilde{e} C, C \tilde{H} P^{\circ} P S C \Gamma P i P s C \tilde{H} C, P S P \tilde{e} P j P \tilde{e} P \cdot P^{\circ} C \Gamma P s P \pm P^{\circ} P j P \tilde{e} P^{\circ} P \pm P s$
 $P i C \tilde{H} P^{\circ} C \dagger C \tilde{H} P i P^{\circ} C, P \tilde{e} P \cdot C - C \Gamma P e P \gg P^{\circ} P r P S P \tilde{e} P j P \tilde{e} P j P_{\mu} C \dots P^{\circ} P S C - P \cdot P j P^{\circ} P j P \tilde{e}. P_{\mu} P^{\circ} C \dagger C - C'' P S C, P^{\circ} P j$
 $C \Gamma P \gg C - P r P \pm C r C, P \tilde{e} P s P \pm P_{\mu} C \tilde{H} P_{\mu} P \P P S P \tilde{e} P j P \tilde{e} P i C \tilde{H} P \tilde{e} P e P_{\mu} C \tilde{H} C r P i P^{\circ} P S P S C -$
 $P^{\circ} P i C, P s C, C \tilde{H} P^{\circ} P S C \Gamma P i P s C \tilde{H} C, P s P j P^{\circ} P \pm P s C \tilde{H} P s P \pm P s C, C - P \cdot C - P S C \in P \tilde{e} P j P \tilde{e}$
 $P j P_{\mu} C \dots P^{\circ} P S C - P \cdot P j P^{\circ} P j P \tilde{e}.$

$P \tilde{Y} P i P s C \Gamma C - P \pm P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \acute{z} P i P^{\circ} P S P S C \sqcup C, P^{\circ} P r P s P \cdot P \tilde{e}.$

$P - P^{\circ} C \Gamma C, P s C \Gamma P s P i C r P i P^{\circ} C, P \tilde{e} P i P S C r C, C \tilde{H} C - C \in P S C \tilde{H} P s P i P_{\mu} P S P S P s P^{\circ} P \pm P s$
 $P i P S C r C, C \tilde{H} C - C \in P S C \tilde{H} P s P j \tilde{b} \tilde{H}^{\text{TM}} C \sqcup P \cdot P s P i P s. P_{\mu} P_{\mu} C \tilde{H} P_{\mu} P r P \cdot P^{\circ} C \Gamma C, P s C \Gamma C r P i P^{\circ} P S P S C \sqcup P j$
 $P i C \tilde{H} P s P i P s P r C \sqcup C, C \tilde{H} C \in P e C - C \tilde{H} P S C - P i C \tilde{H} P s P \pm P \tilde{e} P S P^{\circ} C \ddagger C r C, P \gg P \tilde{e} P i C - C \Gamma C, C \tilde{H} P r P s$
 $P^{\circ} P S C, P \tilde{e} P \pm C - P s C, P \tilde{e} P e P^{\circ} C, P^{\circ} P r P s P \gg C - P r P s P e P^{\circ} C - P S C r.$

P"PsCḥPsCfP»C- C- PrC-C,Pë PIC-PePsPj PIC-Pr 12 CḥPsPeC-PI: PīPs 1-2 Pi (Cf
PīPμCḥPμCḥP°C...CfPIP°PSPSC- PSP°B C†PμC,,C,CḥC-P°PeCfPsPS) 1 CḥP°P· PSP° PrPsP±Cf
(PePsP¶PSC-B B B 24 PiPsPrPëPSPë). Pj C,CfP¶P¶PePëC... PIPëPīP°PrPeP°C... P°P±Ps
C-PSC,,PμPeC†C-CfC..., P·P±CfPrPSPëPePë CfPePëC... PjP°CḥC,Cḥ P·PSPëP¶PμPSCf
C†CfC,P»PëPIC-CfC,Cḥ PrPs C†PμC,,C,CḥC-P°PeCfPsPSCf, PrPsP±PsPICf PrPsP·Cf PjPsP¶PSP°
P·P±C-P»CḥC€CfPIP°C,Pë PrPs 4 Pi (Cf PīPμCḥPμCḥP°C...CfPIP°PSPSC- PSP°B
C†PμC,,C,CḥC-P°PeCfPsPS).

PkPsPIPSPSP°CḥPsPrP¶PμPSC-, PSPμPjPsPIP»CfC,P° C,P° PrC-C,Pë PIC-PePsPj PrPs 12
CḥPsPeC-PI.

PkPëP¶C†Pμ PSP°PIPsPrCfC,CḥCfCf CḥPμPePsPjPμPSPPrPsPIP°PSC- PrPsP·Pë PrP»Cf
P·P°CfC,PsCfCfPIP°PSPSCf 1 CḥP°P· PSP° PrPsP±Cf.

PkPsPIPSPSP°CḥPsPrP¶PμPSC- (PrPs 14 PrPSC-PI). P"PsP·Pë PSP°PIPμPrPμPSC- P·
CḥPsP·CḥP°C...CfPSPeCf PSP° C†PμC,,C,CḥC-P°PeCfPsPS: 20-50 PjPi/PePi PjP°CfPë C,C-P»P°

1 CḥP°P· PSP° PrPsP±Cf. P"PsP±PsPIP° PrPsP·P° PSPμ PjP°C" PīPμCḥPμPIPëC%oCfPIP°C,Pë 50
PjPi/PePi PjP°CfPë C,C-P»P°. PμCḥPë PIPëP·PSP°C†PμPSPSC- PrPsP·Pë PīCḥPμPīP°CḥP°C,Cf
PrP»Cf PrPsPSPsC€PμPSPëC... C- PSPμPrPsPSPsC€PμPSPëC... PrC-C,PμPNë
PIC-PrPjC-PSPSPsCfC,PμPNë PSPμPjP°C".

PiPμC,,C,CḥC-P°PeCfPsPS PīCḥPsC,PëPīPsPeP°P·P°PSPëPNë PrP»Cf P·P°CfC,PsCfCfPIP°PSPSCf
PSPsPIPSPSP°CḥPsPrP¶PμPSPëPj PIC-PePsPj ≤ 28 PrPSC-PI PīCḥPë
PSPμPsP±C...C-PrPSPsCfC,C- (P°P±Ps PsC†C-PeCfPIP°PSC-PNë PSPμPsP±C...C-PrPSPsCfC,C-)
P»C-PeCfPIP°PSPSCf PIPSCfC,CḥC-C€PSCḥPsPIPμPSPSPëPjPë CḥPsP·C†PëPSP°PjPë, CfPeC-
PjC-CfC,CfC,Cḥ PeP°P»CḥC†C-PNë, Cf C,PsPjCf C†PëCfP»C- PīPsCfC,C-PNëPSC-
PIPSCfC,CḥC-C€PSCḥPsPIPμPSPSC- PIP»PëPIP°PSPSCf, CfPeC- PjC-CfC,CfC,Cḥ
PeP°P»CḥC†C-PNë, PSP°PīCḥPëPeP»P°Pr, PīP°CḥPμPSC,PμCḥP°P»CḥPSPμ
C...P°CḥC†CfPIP°PSPSCf, Cf P·PīBḥ™ CfP·PeCf P· CḥPëP·PëPePsPj PIPëPSPëPePSPμPSPSCf
PīCḥPμC†PëPīC-C,P°C,C-PI PeP°P»CḥC†C-C"PIPëC... CfPsP»PμPNë C†PμC,,C,CḥC-P°PeCfPsPSCf
(PrPëPI CḥPsP·PrC-P» B«PμCḥPsC,PëPīPsPeP°P·P°PSPSCfB»).

PkPsPIPSPSP°CḥPsPrP¶PμPSC- PIC-PePsPj PIC-Pr 15 PrPSC-PI C,P° PrC-C,Pë PIC-PePsPj PrPs 12
CḥPsPeC-PI. P"PsP·Pë PSP°PIPμPrPμPSC- P· CḥPsP·CḥP°C...CfPSPeCf PSP°
C†PμC,,C,CḥC-P°PeCfPsPS: 20-80 PjPi/PePi PjP°CfPë C,C-P»P° 1 CḥP°P· PSP° PrPsP±Cf.
P"C-C,CfPj P· PjP°CfPsCḥ C,C-P»P° PīPsPSP°Pr 50 PePi PīCḥPëP·PSP°C†P°C,Pë PrPsP·Pë PrP»Cf
PrPsCḥPsCfP»PëC...

P—P°PīP°P»CḥPSP° PrPsP±PsPIP° PrPsP·P° PrP»Cf PrC-C,PμPNë PSPμ PjP°C"
PīPμCḥPμPIPëC%oCfPIP°C,Pë 2 Pi (Cf PīPμCḥPμCḥP°C...CfPIP°PSPSC- PSP°
C†PμC,,C,CḥC-P°PeCfPsPS).

P'PSCfC,CḥC-C€PSCḥPsPIPμPSPSC- PIPμPrPμPSPSCf PrPsP·Pë PIPëC%oPμ 50 PjPi/PePi (Cf
PīPμCḥPμCḥP°C...CfPIP°PSPSC- PSP° C†PμC,,C,CḥC-P°PeCfPsPS)
P·PrC-PNëCfPSCḥCḥC,CḥCfCf PeCḥP°PīP»PëPSPSPs, PīPsPIC-P»CḥPSPs (PīCḥPsC,CfPiPsPj
30-60 C...PIPëP»PëPS).

PμP°C†C-C"PSC,Pë P»C-C,PSCHḥPsPiPs PIC-PeCf. PμP°C†C-C"PSC,Pë P»C-C,PSCHḥPsPiPs
PIC-PeCf PePsCḥPμPeC†C-Cf PrPsP·Pë PSPμ PīPsC,CḥC-P±PSP°.

PḥCḥPëPIP°P»C-CfC,Cḥ P»C-PeCfPIP°PSPSCf P·P°P»PμP¶PëC,Cḥ PIC-Pr PīPμCḥPμP±C-PiCf
P·P°C...PIPsCḥCḥPIP°PSPSCf. PμC-CfP»Cf C,PsPiPs CfPe PSPsCḥPjP°P»C-P-CfC"C,CḥCfCf

PiPsPeP°P·PSPëPe C, PµPjPiPµCḡP°C, CíCḡPë C, C-P»P° C, P° CḡPµP·CíP»CHC, P°C, Pë
P°PSP°P»C-P·C-PI PiC-PrC, PIPµCḡPrCḡC, CH PIC-PrCíCíC, PSC-CíC, CH P·P±CíPrPSPëPeP°,
PSPµPsP±C...C-PrPSPs PiCḡPsPrPsPIP¶PëC, Pë P·P°CíC, PsCíCíPIP°PSPSCḡ PiCḡPµPiP°CḡP°C, Cí
C%oPµ PiCḡPsC, CḡPiPsPj C%oPsPSP°PNëPjPµPSCëPµ 48-72 PiPsPrPëPS.

PḡPsPjP±C-PSPsPIP°PSP° C, PµCḡP°PiC-Cḡ.

P'ḡP°C...PsPICíCḡC±Pë PrP°PSC- C%oPsPrPs PIP·P°C" PjPsPiPsCíPëP»PµPSPSCḡ PrC-C—
PiCḡPë PsPrPSPsC±P°CíPSPsPjCí P·P°CíC, PsCíCíPIP°PSPSC- C†PµC,, C, CḡC-P°PeCíPsPSCí C, P°
P°PjC-PSPsPiP»C-PePsP·PëPrC-PI PIC-PrPSPsCíPSPs P±P°PiP°C, CHPsC...
PiCḡP°PjPSPµPiP°C, PëPIPSPëC... PjC-PeCḡPsPsCḡPiP°PSC-P·PjC-PI, C—C... PjPsP¶PSP°
P·P°CíC, PsCíCíPICíPIP°C, Pë PiCḡPë C, CḡP¶PePëC..., P·P°PiCḡPsP·P»PëPIPëC... PrP»Cḡ
P¶PëC, C, Cḡ C-PSC,, PµPeC†C-CḡC..., CíPiCḡPëC±PëPSPµPSPëC...B *Pseudomonas aeruginosa*.
PḡP»Pµ PiCḡPë C†CHPsPjCí CíP»C-Pr P·PIP°P¶P°C, Pë PSP° C, Pµ, C%oPs PiC-PrPIPëC%oPµPSP°
PµC,, PµPeC, PëPIPSC-CíC, CH C, P°PePëC... PePsPjP±C-PSP°C†C-PNë PSPµ P·P°PIP¶PrPë
PiPµCḡPµPrP±P°C±CíPIP°PSP°. PḡPµCḡPµP· C,, C-P·PëC±PSCí PSPµCíCíPjC-CíPSC-CíC, CH
C†PµC,, C, CḡC-P°PeCíPsPSCí C, P° P°PjC-PSPsPiP»C-PePsP·PëPrC-PI C—C... CíP»C-Pr
PIIPsPrPëC, Pë CḡPsP·PrC-P»CHPSPs Cí CḡPµPePsPjPµPSPrPsPIP°PSPëC... PrP»Cḡ PSPëC...
PrPsP·P°C....

P"PsP·C¿PIP°PSPSCḡ PI PsCíCíP±P»PëPIPëC... PIPëPiP°PrPeP°C....

PḡPµPSC-PSPiC-C.

PµCḡPë P±P°PeC, PµCḡC-P°P»CHPSPsPjCí PjPµPSC-PSPiC-C, C- Cí PSPµPjPsPIP»CḡC, C-
PrC-C, PµPNë PIC-PePsPj PIC-Pr 15 PrPSC-PI PrPs 12 CḡPsPeC-PI P»C-PeCíPIP°PSPSCḡ
CḡPsP·PiPsC±PëPSP°C, Pë P· PrPsP·Pë 100 PjPi/PePi (P°P»Pµ PSPµ P±C-P»CHCëPµ 4 Pi Cí
PiPµCḡPµCḡP°C...CíPIP°PSPSC- PSP° C†PµC,, C, CḡC-P°PeCíPsPS) 1 CḡP°P· PSP° PrPsP±Cí. PiPe
C, C-P»CHPePë P·P±CíPrPSPëPe P±CíPrPµ C-PrPµPSC, PëC,, C-PePsPIP°PSPëPNë, P° PNëPsPiPs
C±CíC, P»PëPIC-CíC, CH PIPëP·PSP°C±PµPSP°, PrPsP·Cí PjPsP¶PSP° PIC-PrPiPsPIC-PrPSPs
P·PjPµPSCëPëC, Pë. PḡP°PNëPeCḡP°C%oC- CḡPµP·CíP»CHC, P°C, Pë PrPsCíCḡPiP°P»PëCíCḡ
PiCḡPë C, P°PeC-PNë C, CḡPëPIP°P»PsCíC, C- P»C-PeCíPIP°PSPSCḡ:

Neisseria meningitidis B B B B B B B B 4 PrPSC-

Streptococcus pneumoniae B B B 7 PrPSC-PI

Haemophilus influenzae B B B B B B B 6 PrPSC-PI

PḡC¿C, P»PëPIC- Enterobacteriaceae B 10-14 PrPSC-PI.

P'PsCḡPµP»C-PsP· P»P°PNëPjP°: PrPsCḡPsCíP»PëPj C, P° PrC-C, CḡPj Bḡ" 50 PjPi/PePi
(PSP°PNëPIPëC%oP° PrPsP±PsPIP° PrPsP·P° Bḡ" 2 Pi) 1 CḡP°P· PSP° PrPsP±Cí PiCḡPsC, CḡPiPsPj
14 PrPSC-PI.

P"PsPSPsCḡPµCḡ, CíPiCḡPëC±PëPSPµPSP° CëC, P°PjP°PjPë, C%oPs CíC, PIPsCḡCḡCḡC, CH
P°P±Ps PSPµ CíC, PIPsCḡCḡCḡC, CH PiPµPSC-C†PëP»C-PSP°P·Cí: PsPrPSPsCḡP°P·PsPIPµ
PIPSCíC, CḡC-CëPSCḡPsPjBḡ™ CḡP·PsPIPµ PIPIPµPrPµPSPSCḡ 250 PjPi PiCḡPµPiP°CḡP°C, Cí.

PµCḡPsC,, C-P»P°PeC, PëPeP° PiC-CíP»CḡPsPiPµCḡP°C†C-PNëPSPëC... C-PSC,, PµPeC†C-PNë.
P"PsP·Pë PSP°PIPµPrPµPSC- P· CḡPsP·CḡP°C...CíPSPeCí PSP° C†PµC,, C, CḡC-P°PeCíPsPS.
P—P°P»PµP¶PSPs PIC-Pr CíC, CíPiPµPSCḡ CḡPëP·PëPeCí CḡPsP·PIPëC, PeCí
C-PSC,, PµPeC†C-C—, PIIPsPrPëC, Pë 1-2 Pi (Cí PiPµCḡPµCḡP°C...CíPIP°PSPSC- PSP°

C†PμC,,C,CTHC-P°PeCΓPsPS) PīCTHPμPīP°CTHP°C,Cr PsPrPSPsCTHP°P·PsPIPsB P·P° 30-90
C...PIPēP»PēPS PrPs PīPsC†P°C,PeCr PsPīPμCTHP°C†C-C—. PμCTHPē PsPīPμCTHP°C†C-CIIC... PSP°
C,PsPICΓC,C-PNē C- PīCTHCIPjC-PNē PePēC€C†C- PsPrPSPsC†P°CΓPSPs (P°P»Pμ
CTHPsP·PrC-P»CHBPSPs) PIIPsPrPēC,Pē PīCTHPμPīP°CTHP°C, PsPrPSPsPīPs P· 5-
PSC-C,CCTHPsC-PjC-PrP°P·PsP»C-PI (PSP°PīCTHPēPeP»P°Pr PsCTHPSC-PrP°P·PsP»).

PμPsCTHCΓC€PμPSPSCII C,,C†PSPeC†C-C— PSPēCTHPsPe. PkPμ PīPsC,CTHPμP±C†C”
P·PjPμPSC€PμPSPSCII PrPsP·Pē, CIIPeC%Ps C,,C†PSPeC†C-CI PīPμC†C-PSPePē
P·P°P»PēC€P°C”C,CHCΓCII PSPsCTHPjP°P»CHBPSPsCTH. P>PēC€Pμ Cr PIPēPīP°PrPeP°C...
PSPēCTHPePsPIPsC— PSPμPrPsCΓC,P°C,PSPsCΓC,C- Cr
PīPμCTHPμPrC,PμCTHPjC-PSP°P»CHBPSC-PNē CΓC,P°PrC-C— P· PeP»C-CTHPμPSCΓPsPj
PeCTHPμP°C,PēPSC-PSCr PjPμPSC€Pμ 10 PjP»/C...PI PrPsP±PsPIP° PrPsP·P° PSPμ PjP°C”
PīPμCTHPμPIPēC%CrPIP°C,Pē 2 Pi (Cr PīPμCTHPμCTHP°C...C†PIP°PSPSC- PSP°
C†PμC,,C,CTHC-P°PeCΓPsPS).

PΓPIPsCTHPēPj, CIIPeC- P·PSP°C...PsPrCIIC,CHCΓCII PSP° PrC-P°P»C-P·C-, PSPμPjP°C”
PīPsC,CTHPμP±Pē Cr PrPsPrP°C,PePsPIPsPjCr PIIPμPrPμPSPSC- PīCTHPμPīP°CTHP°C,Cr
PīC-CΓP»CI PrC-P°P»C-P·Cr, P°P»Pμ PSPμPsP±C...C-PrPSPs PePsPSC,CTHPsP»CTHIPIP°C,Pē
PePsPSC†PμPSC,CTHP°C†C-CTH C†PμC,,C,CTHC-P°PeCΓPsPSCr Cr CΓPēCTHPsPIP°C,C†C- PeCTHPsPIC-
(PīCTHPē PSPμPsP±C...C-PrPSPsCΓC,C- PePsCTHPēPīC†PIP°C,Pē PrPsP·Cr), PsCΓPeC-P»CHPePē
C€PIPēPrPeC-CΓC,CH PIPēPIPμPrPμPSPSCII Cr C,P°PePēC... C...PIPsCTHPēC... PjPsP¶Pμ
P·PSPēP¶C†PIP°C,PēCΓCII.

P”PsP±PsPIP° PrPsP·P° PŸC†P»CHP±P°PeC,PsPjP°PeCΓCr Cr C...PIPsCTHPēC..., CIIPeC-
P·PSP°C...PsPrCIIC,CHCΓCII PSP° PrC-P°P»C-P·C-, PSPμ PjP°C” PīPμCTHPμPIPēC%CrPIP°C,Pē 2
Pi.

PμPsCTHCΓC€PμPSPSCII C,,C†PSPeC†C-C— PīPμC†C-PSPePē. PkPμ PīPsC,CTHPμP±C†C”
P·PjPμPSC€PμPSPSCII PrPsP·Pē, CIIPeC%Ps C,,C†PSPeC†C-CI PSPēCTHPsPe
P·P°P»PēC€P°C”C,CHCΓCII PSPsCTHPjP°P»CHBPSPsCTH.

PŸCIIP¶PeP° PSPēCTHPePsPIP° P°P±Ps PīPμC†C-PSPePsPIP° PSPμPrPsCΓC,P°C,PSC-CΓC,CH

PŸP»C-Pr CTHPμPīC†P»CICTHPSPs PIPēP·PSP°C†P°C,Pē PePsPSC†PμPSC,CTHP°C†C-CTH
C†PμC,,C,CTHC-P°PeCΓPsPSCr Cr PīP»P°P·PjC- PeCTHPsPIC- C,P° PīCTHPsPIPsPrPēC,Pē
PePsCTHPμPeC†C-CTH PrPsP·Pē PīCTHPμPīP°CTHP°C,Cr Cr CTHP°P·C- PSPμPsP±C...C-PrPSPsCΓC,C-,
PsCΓPeC-P»CHPePē CTHC-PIPμPSCH PIPēPIPμPrPμPSPSCII Cr C,P°PePēC... PīP°C†C-C”PSC,C-PI
PjPsP¶Pμ P·PSPēP¶C†PIP°C,PēCΓCII.

PŸPīPsCΓC-P± CTHPsP·C†PēPSPμPSPSCII C,P° PIIPμPrPμPSPSCII. P—P°PīP°P»CHBPSPμ
PīCTHP°PIPēP»Ps - CTHPsP·C†PēPS CΓP»C-Pr PIPēPePsCTHPēCΓC,P°C,Pē PsPrCTHP°P·Cr PīC-CΓP»CI
PīCTHPēPīPsC,C†PIP°PSPSCII. P PsP·C†PēPS P·P±PμCTHC-PiP°C” CΓPIPsCTH C,,C-P·PēC†PSCr C-
C...C-PjC-C†PSCr CΓC,P°P±C-P»CHBPSC-CΓC,CH PīCTHPsC,CIIPiPsPj 6 PīPsPrPēPS PīCTHPē
PeC-PjPSP°C,PSC-PNē C,PμPjPīPμCTHP°C,CrCTHC- P°P±Ps PīCTHPsC,CIIPiPsPj 24 PīPsPrPēPS PīCTHPē
C,PμPjPīPμCTHP°C,CrCTHC- 5 B°PŸ. P—P°P»PμP¶PSPs PIC-Pr PePsPSC†PμPSC,CTHP°C†C-C— C-
C,PμCTHPjC-PSCr P·P±PμCTHC-PiP°PSPSCII PePsP»C-CTH CTHPsP·C†PēPSCr PjPsP¶Pμ
P·PjC-PSCHIPIP°C,PēCΓCII PIC-Pr P±P»C-PrPs-P¶PsPIC,PsPīPs PrPs P±C†CTHC€C,PēPSPsPIPsPīPs.
P—PjC-PSP° PePsP»CHBPSCrB PSPμ PIPiP»PēPIP°C” PSP° PμC,,PμPeC,PēPIPSC-CΓC,CH
P°P±Ps PīPμCTHPμPSPsCΓPēPjC-CΓC,CH PīCTHPμPīP°CTHP°C,Cr.

P”P»CI PIPSCrC,CTHC-C€PSCHPsPjB™ CIIP·PsPIPēC... C-PSB™ C”PeC†C-PNē PIPjC-CΓC,
C,,P»P°PePsPSP° CTHPsP·C†PēPSPēC,Pē Cr 3,5 PjP» 1 % CTHPsP·C†PēPSCr P»C-PrPsPeP°C—PSCr

P°P±Ps

5 PjP»B PIPsPrPë PrP»CŁ C-PSbTTMC"PeC†C-PNë; C-PSbTTMC"PeC†C-CH CŁPsP±PëC,Pë Cr C†PμPSC,CŁ PIPμP»PëPePsPiPs PjbTTMCŁP·P°. P PμPePsPjPμPSPPrCrC"C,CHCŁCŁ PIPIPsPrPëC,Pë PSPμ P±C-P»CHC€Pμ 1 Pi PI PsPrPSCr PrC-P»CŁPSPeCr.

PİPeC%Ps P»C-PrPsPeP°C—PS P·P°CŁC,PsCŁPsPICrPIP°C,Pë PI CŁPePsCŁC,C- CŁPsP·C†PëPSPSPëPeP°, PsC,CŁPëPjP°PSPëPNë CŁPsP·C†PëPS PSC-PePsP»Pë PSPμ CŁP»C-Pr PIPIPsPrPëC,Pë PIPSCrC,CŁC-C€PSCbPsPIPμPSPSPs (PrPëPI. CŁPsP·PrC-P» B«PμCŁPsC,PëPİPsPeP°P·P°PSPSCŁB»). P"P»CŁ PrPμC,P°P»CHbPSPsC— C-PSC„PsCŁPjP°C†C-C— CŁPμPePsPjPμPSPPrCrC"C,CHCŁCŁ PsP·PSP°PNëPsPjPëC,PëCŁCŁ P· C-PSCŁC,CŁCrPeC†C-C"CH PrP»CŁ PjPμPrPëC†PSPsPiPs P·P°CŁC,PsCŁCrPIP°PSPSCŁ P»C-PrPsPeP°C—PSCr.

P—P°CŁC,PsCŁCrPIP°PSPSCŁ P»C-PrPsPeP°C—PSCr PİPμCŁPμPrP±P°C†P°C" PİPsPİPμCŁPμPrPSC" PİCŁPsPIPμPrPμPSPSCŁ PİCŁPsP±Pë PrP»CŁ PIPëP·PSP°C†PμPSPSCŁ C-PSPPrPëPIC-PrCrP°P»CHbPSPsC— C†CrC,P»PëPIPSCŁC,C- PrPs C†CHbPsPiPs P»C-PeP°CŁCŁCHbPePsPiPs P·P°CŁPsP±Cr.

P"P»CŁ PIPSCrC,CŁC-C€PSCbPsPIPμPSPSPëC... C-PSbTTMC"PeC†C-PNë PIPjC-CŁC,
C„P»P°PePsPSP° CŁPsP·C†PëPSPëC,Pë Cr 10 PjP» PIPsPrPë PrP»CŁ C-PSbTTMC"PeC†C-PNë;
PIPIPPrPëC,Pë PIPSCrC,CŁC-C€PSCbPsPIPμPSPSPs PİPsPIC-P»CHbPSPs (P·P° 2-4
C...PIPëP»PëPSPë).

P'PSCrC,CŁC-C€PSCbPsPIPμPSPSP° C-PSC„CrP·C-CŁ PjP°C" C,CŁPëPIP°C,Pë PSPμ PjPμPSC€Pμ
30 C...PIPëP»PëPS. P"P»CŁ PİCŁPëPiPsC,CrPIP°PSPSCŁ CŁPsP·C†PëPSCr CŁPsP·C†PëPSCŁC,Pë
PIPjC-CŁC, C„P»P°PePsPSP°B Cr 40 PjP» PsPrPSPsPiPs P· PSP°CŁC,CrPİPSPëC...
C-PSC„CrP·C-PNëPSPëC... CŁPsP·C†PëPSC-PI, C%Ps PSPμ PjC-CŁC,CŁC,CH C-PsPSC-PI
PeP°P»CHC†C-CH:

-B 5 % CŁPsP·C†PëPS PİP»CHbPePsP·Pë;

-B 0,9 % CŁPsP·C†PëPS PSP°C,CŁC-CH C...P»PsCŁPëPrCr;

-B 5 % CŁPsP·C†PëPS PİP»CHbPePsP·Pë 0,225 % CŁPsP·C†PëPS PSP°C,CŁC-CH C...P»PsCŁPëPrCr;

-B 5 % CŁPsP·C†PëPS PİP»CHbPePsP·Pë 0,9 % CŁPsP·C†PëPS PSP°C,CŁC-CH C...P»PsCŁPëPrCr;

-B B PIPsPrP° PrP»CŁ C-PSbTTMC"PeC†C-PNë.

PkPμ PjPsP¶PSP° PIPëPePsCŁPëCŁC,PsPICrPIP°C,Pë CŁPsP·C†PëPSPSPëPePë, CŁPeC-
PjC-CŁC,CŁC,CH PeP°P»CHC†C-PNë, C,P°PeC- CŁPe CŁPsP·C†PëPS P C-PSIPμCŁP° P°P±Ps
CŁPsP·C†PëPS P"P°CŁC,PjP°PSP°, PrP»CŁ CŁPsP·C†PëPSPμPSPSCŁ
PŸCrP»CHbP±P°PeC,PsPjP°PeCŁCr Cr C„P»P°PePsPSP°C... P°P±Ps PrP»CŁ
CŁPsP·PIPμPrPμPSPSCŁ PIC-PrPSPsPIP»PμPSPsPiPs CŁPsP·C†PëPSCr PrP»CŁ
PIPSCrC,CŁC-C€PSCbPsPIPμPSPSPsPiPs PIPIPμPrPμPSPSCŁ Cr P·PIbTTMCŁP·PeCr P·
PIC-CŁPsPiC-PrPSC-CŁC,CH CrC,PIPsCŁPμPSPSCŁ PİCŁPμC†PëPİC-C,P°C,C-PI
PeP°P»CHC†C-C"PIPëC...

CŁPsP»PμPNë C†PμC„C,CŁC-P°PeCŁPsPSCr. P'PëPSPëPePSPμPSPSCŁ PİCŁPμC†PëPİC-C,P°C,C-PI
PeP°P»CHC†C-C"PIPëC... CŁPsP»PμPNë C†PμC„C,CŁC-P°PeCŁPsPSCr C,P°PePsP¶ PjPsP¶Pμ
PIC-PrP±CrPIP°C,PëCŁCŁ PİCŁPë P·PjC-C€CrPIP°PSPSC- PŸCrP»CHbP±P°PeC,PsPjP°PeCŁCr P·
CŁPsP·C†PëPSP°PjPë, CŁPeC- PjC-CŁC,CŁC,CH PeP°P»CHC†C-PNë PI PsPrPSC-PNë
C-PSC„CrP·C-PNëPSC-PNë CŁPëCŁC,PμPjC- PrP»CŁ PIPSCrC,CŁC-C€PSCbPsPIPμPSPSPsPiPs

PIPIP_μPrP_μPSPSC_Ц. PŸC_ГP»CHBP±P°PeC,PsPjP°PeC_Г PSP_μ PjPsP_ГPSP° PsPrPSPsC_ГP°C_ГPSPs
PIPIPsPrPëC,Pë

PIPSC_ГC,Ч_ГC-C€PSC_ГPsPIPIP_μPSPSPs P· Ч_ГPsP·C_ГPëPSP°PjPë, C_ЦPeC- PjC-C_ГC,C_ЦC,CH
PeP°P»CHC_ГC-PN_ë, C_Г C,PsPjC_Г C_ГPëC_ГP»C- P· C,Ч_ГPëPIP°P»PëPjPë C-PSC,,C_ГP·C-C_ЦPjPë,
C_ЦPeC- PjC-C_ГC,C_ЦC,CH PeP°P»CHC_ГC-PN_ë, PSP°P_ГЧ_ГPëPeP»P°Pr,
P_ГP°Ч_ГP_μPSC,P_μЧ_ГP°P»CHBPSP_μ C...P°Ч_ГC_ГC_ГPIP°PSPSC_Ц. PhPrPSP°Pe, P·P° PIPëPSC_ЦC,PePsPj
PSPsPIPsPSP°Ч_ГPsPrP_ГP_μPSPëC..., C_ГP_μC,,C,Ч_ГC-P°PeC_ГPsPSC,P°
PeP°P»CHC_ГC-PN_ëPIPjC-C_ГPSC- Ч_ГPsP·C_ГPëPSPë PjPsP_ГPSP° PIPIPsPrPëC,Pë
P_ГPsC_ГP»C-PrPsPIPSPs, C_ЦPeC%Ps C-PSC,,C_ГP·C-PN_ëPSC_Г C_ГPëC_ГC,P_μPjC_Г Ч_ГP_μC,P_μP»CHBPSPs
P_ГЧ_ГPsPjPëC,Pë PjC-P_Г C-PSC,,C_ГP·C-C_ЦPjPë C_ГC_ГPjC-C_ГPSPëPj Ч_ГPsP·C_ГPëPSPsPj (PrPëPI.
B«P·P·P°C”PjPsPrC-C_Ц P· C-PSC€PëPjPë P»C-PeP°Ч_ГC_ГCHPePëPjPë P·P°C_ГPsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PN_ëB»).

P”C-C,Pë.

P_μЧ_ГP_μP_ГP°Ч_ГP°C, P·P°C_ГC,PsC_ГPsPIC_ГC”C,CHC_ГC_Ц C_Г P_ГP_μPrC-P°C,Ч_ГPëC_ГPSC-PN_ë
P_ГЧ_ГP°PeC,PëC_ГC-.

P_ГPsPIPsPSP°Ч_ГPsPrP_ГP_μPSPëPj PIC-PePsPj ≤ 28 PrPSC-PI P_ГЧ_ГPsC,PëP_ГPsPeP°P·P°PSPëPN_ë
PrP»C_Ц P·P°C_ГC,PsC_ГC_ГPIP°PSPSC_Ц P_ГЧ_ГPë PSP_μPsP±C...C-PrPSPsC_ГC,C- (P°P±Ps
PsC_ГC-PeC_ГPIP°PSC-PN_ë PSP_μPsP±C...C-PrPSPsC_ГC,C-) P»C-PeC_ГPIP°PSPSC_Ц
PIPSC_ГC,Ч_ГC-C€PSC_ГPsPIPIP_μPSPSPëPjPë Ч_ГPsP·C_ГPëPSP°PjPë, C_ЦPeC- PjC-C_ГC,C_ЦC,CH
PeP°P»CHC_ГC-PN_ë, C_Г C,PsPjC_Г C_ГPëC_ГP»C- PIPSC_ГC,Ч_ГC-C€PSC_ГPsPIPIP_μPSPSC-
PIP»PëPIP°PSPSC_Ц, C_ЦPeC- PjC-C_ГC,C_ЦC,CH PeP°P»CHC_ГC-PN_ë, PSP°P_ГЧ_ГPëPeP»P°Pr,
P_ГP°Ч_ГP_μPSC,P_μЧ_ГP°P»CHBPSP_μ C...P°Ч_ГC_ГC_ГPIP°PSPSC_Ц, C_Г P·PI_Б™ C_ЦP·PeC_Г P·
Ч_ГPëP·PëPePsPj PIPëPSPëPePSP_μPSPSC_Ц P_ГЧ_ГP_μC_ГPëP_ГC-,P°C,C-PI PeP°P»CHC_ГC-C”PIPëC...
C_ГPsP»P_μPN_ë C_ГP_μC,,C,Ч_ГC-P°PeC_ГPsPSC_Г (P”PëPI. B«PŸP_ГPsC_ГC-P±
P·P°C_ГC,PsC_ГC_ГPIP°PSPSC_Ц C,P° PrPsP·PëB»).

Pj PSPsPIPsPSP°Ч_ГPsPrP_ГP_μPSPëC... C,P° PSP_μPrPsPSPsC€P_μPSPëC... PrC-C,P_μPN_ë
PsP_ГPëC_ГP°PSC- PIPëP_ГP°PrPePë PIPëPSPëPePSP_μPSPSC_Ц P_ГЧ_ГP_μC_ГPëP_ГC-,P°C,C-PI C_Г
P»P_μPIP_μPSC_ЦC... C,P° PSPëЧ_ГPeP°C..., C%Ps C_ГP_ГЧ_ГPëC_ГPëPSPëP»Pë P»P_μC,P°P»CHBPSC-
PSP°C_ГP»C-PrPePë P_ГЧ_ГPë PsPrPSPsC_ГP°C_ГPSPsPjC_Г PIPIP_μPrP_μPSPSC-
C_ГP_μC,,C,Ч_ГC-P°PeC_ГPsPSC_Г C,P° P_ГЧ_ГP_μP_ГP°Ч_ГP°C,C-PI PeP°P»CHC_ГC-C_Г. Pj PrP_μC_ЦPePëC...
C-P· C_ГPëC... PIPëP_ГP°PrPeC-PI P·P°C_ГC,PsC_ГPsPIC_ГPIP°P»Pë C,C- P_Г C_ГP°PjC-
C-PSC,,C_ГP·C-PN_ëPSC- C_ГPëC_ГC,P_μPjPë PrP»C_Ц PIPSC_ГC,Ч_ГC-C€PSC_ГPsPIPIP_μPSPSPsPiPs
PIPIP_μPrP_μPSPSC_Ц PrP»C_Ц C_ГP_μC,,C,Ч_ГC-P°PeC_ГPsPSC_Г C,P° Ч_ГPsP·C_ГPëPSC-PI, C_ЦPeC-
PjC-C_ГC,C_ЦC,CH PeP°P»CHC_ГC-PN_ë, C- PI PrP_μC_ЦPePëC... C-PSC,,C_ГP·C-PN_ëPSPëC...
C_ГPëC_ГC,P_μPjP°C... PrP»C_Ц PIPSC_ГC,Ч_ГC-C€PSC_ГPsPIPIP_μPSPSPsPiPs PIPIP_μPrP_μPSPSC_Ц
C_ГP_ГPsC_ГC,P_μЧ_ГC-PiP°P»PsC_ГC_Ц PIPëPSPëPePSP_μPSPSC_Ц P_ГЧ_ГP_μC_ГPëP_ГC-,P°C,C-PI.

P_μP_μЧ_ГP_μPrPsP·C_ГPIP°PSPSC_Ц.

PŸPëPjP_ГC,PsPjPë: C-C_ГPSC_ГC” PsP±PjP_μP_ГP_μPSP° C-PSC,,PsЧ_ГPjP°C_ГC-C_Ц P_ГЧ_ГPs
PIPëP_ГP°PrPePë P_ГP_μЧ_ГP_μPrPsP·C_ГPIP°PSPSC_Ц. Pj Ч_ГP°P·C- P_ГP_μЧ_ГP_μPrPsP·C_ГPIP°PSPSC_Ц
PjPsP_ГP»PëPIP_μ P_ГPsC_ГPëP»P_μPSPSC_Ц P_ГЧ_ГPsC_ЦPIC-PI P_ГPsP±C-C_ГPSPëC... Ч_ГP_μP°PeC_ГC-PN_ë.
P_μЧ_ГPë P_ГP_μЧ_ГP_μPrPsP·C_ГPIP°PSPSC- PjPsP_ГP_μ C_ГP_ГPsC_ГC,P_μЧ_ГC-PiP°C,PëC_ГC_Ц

PSCrPrPsC,P°, P±P»CḥPIPsC,P°, PrC-P°CḥPμCḭ.

P>C-PeCáPIP°PSPSCḭ: PiPμPjPsPrC-P°P»C-P· P°P±Ps PiPμCḥPëC,PsPSPμP°P»CḥPSPëPNë
PrC-P°P»C-P· PSPμ PμC,,PμPeC,PëPIPsC-. PŸPiPμC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,Cr PSPμ
C-C†PSCrC". P>C-PeCáPIP°PSPSCḭ PiPμCḥPμPrPsP·CrPIP°PSPSCḭ C†PëPjPiC,PsPjP°C,PëC†PSPμ.

PμPsP±C-C†PSC- CḥPμP°PeC†C-C—.

P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—: PeP°PSPPrPëPrPsPjC-PePsP·, PjC-PePsP·
C†C,P°C,PμPIPëC... CëP»CḭC...C-PI, PIC,PsCḥPëPSPSC- PiCḥPëP±PePsPIC- C-PSC,,PμPeC†C-C—
C,P° C-PSC,,PμPeC†C-C—, C†PiCḥPëC†PëPSPμPSC- CḥPμP·PëC†C,PμPSC,PSPëPjPë
PjC-PeCḥPsPsCḥPiP°PSC-P·PjP°PjPë, PiC†PμPIPrPsPjPμPjP±CḥP°PSPsP·PSPëPNë PePsP»C-C,,
C†CrPiPμCḥC-PSC,,PμPeC†C-C—.

P— P±PsPeCá C†PëC†C,PμPjPë PeCḥPsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— C†PëC†C,PμPjPë:
PμPsP·PëPSPsC,,C-P»C-Cḭ, PSPμPNëC,CḥPsPiPμPSC-Cḭ, P»PμPNëPePsPiPμPSC-Cḭ,
P»PμPNëPePsC†PëC,PsP·, P»C-PjC,,PsPiPμPSC-Cḭ, PiCḥP°PSCrP»PsC†PëC,PsPiPμPSC-Cḭ,
P°PSPμPjC-Cḭ, PIPeP»CḥC†P°CḥC†Pë PiPμPjPsP»C-C,PëC†PSCr P°PSPμPjC-Cḥ,
C,CḥPsPjP±PsC†PëC,PsPiPμPSC-Cḭ, C,CḥPsPjP±PsC†PëC,PsP·, P±P°P·PsC,,C-P»C-Cḭ,
P·P±C-P»CḥCëPμPSPSCḭ/P·PjPμPSCëPμPSPSCḭ PiCḥPsC,CḥPsPjP±C-PSPsPIPsPiPs C†P°C†Cr,

CḥPsP·P»P°PrPë PePsP°PiCrP»CḭC†C-C—, PiC-PiPsPiCḥPsC,CḥPsPjP±C-PSPμPjC-Cḭ,
P°PiCḥP°PSCrP»PsC†PëC,PsP·. PμC-Pr C†P°C† C,CḥPëPIP°P»PsPiPs P»C-PeCáPIP°PSPSCḭ
C†P»C-Pr

CḥPμPiCrP»CḭCḥPSPs PePsPSC,CḥPsP»CḥPIP°C,Pë PeP°CḥC,PëPSCr PeCḥPsPIC-.

P— P±PsPeCá CëP»CáPSPePsPIPs-PePëCëPePsPIPsPiPs C,CḥP°PeC,Cá: CḥC-PrPeC-
PIPëPiPsCḥPsP¶PSPμPSPSCḭ, PrC-P°CḥPμCḭ, PSCrPrPsC,P°, P±P»CḥPIP°PSPSCḭ,
PjPμC,PμPsCḥPëP·Pj,B C†C,PsPjP°C,PëC,, PiPsCḥCrCëPμPSPSCḭ C†PjP°PeCr, PiP»PsC†PëC,;
PiP°PSPeCḥPμP°C,PëC,, C°%Ps CḥPsP·PIPëPSCrPIC†Cḭ, PjPsP¶P»PëPIPs, PIPSP°C†P»C-PrPsPe
PsP±C†C,CḥCrPeC†C-C— P¶PsPIC†PsPIPëPIC-PrPSPëC... CëP»CḭC...C-PI, CëP»CrPSPePsPIPs-
PePëCëPePsPIP° PeCḥPsPIPsC,PμC†P°. PkPμ PjPsP¶PSP° PIPëPeP»CḥC†P°C,Pë CḥPsP»Cḥ
PiCḥPμC†PëPiC-C,P°C,C-PI Cr CḥPsP·PIPëC,PeCr PiP°PSPeCḥPμP°C,PëC,Cr, C°%Ps
CrC,PIPsCḥPëP»PëC†Cḭ PiC-Pr PrC-C"ḥ C†PμC,,C,CḥC-P°PeC†PsPSCr Cr
P¶PsPIC†PsPIPëPIC-PrPSPëC... CëP»CḭC...P°C...; PiPsPIC-PrPsPjP»CḭP»PsC†Cḭ PiCḥPs
PiC†PμPIPrPsPjPμPjP±CḥP°PSPsP·PSPëPNë PμPSC,PμCḥPsPePsP»C-C,,.

P— P±PsPeCá PiPμPiP°C,PsP±C-P»C-P°CḥPSPsC— C†PëC†C,PμPjPë:
PiC†PμPIPrPsC...PsP»PμP»C-C,C-P°P· P¶PsPIC†PSPsPiPs PjC-C...CrCḥP°,
PiCḥPμC†PëPiC-C,P°C,Pë PeP°P»CḥC†C-C"PIPsC— C†PsP»C- C†PμC,,C,CḥC-P°PeC†PsPSCr Cr
P¶PsPIC†PSPsPjCr PjC-C...CrCḥC- P· PIC-PrPiPsPIC-PrPSPsCḥ C†PëPjPiC,PsPjP°C,PëPePsCḥ Cr
PrC-C,PμPNë, PsP±PsCḥPsC,PSPëPNë C...PsP»PμP»C-C,C-P°P· Cr PrC-C,PμPNë,
PiC-PrPIPëC°%PμPSPSCḭ P°PeC,PëPIPsC†C,C- PiPμC†C-PSPePsPIPëC...
C,CḥP°PSC†P°PjC-PSP°P· C- P»CrP¶PSPsC— C,,PsC†C,,P°C,P°P·Pë,
PiC-PiPμCḥP±C-P»C-CḥCrP±C-PSPμPjC-Cḭ, CḭPrPμCḥPSP° P¶PsPIC,CḭPSPëC†Cḭ;
C†P°C†C,PsC,P° PSPμPIC-PrPsPjP° Bḥ" PiPμPiP°C,PëC,¹, C...PsP»PμC†C,P°C,PëC†PSPëPNë
PiPμPiP°C,PëC,^{1,2}.

P— P±PsPeCá CëPeC-CḥPë C- PiC-PrCëPeC-CḥPSPsC— PeP»C-C,PePsPIPëPSPë: CëPeC-CḥPSC-

PIPëCÍPëPíP°PSPSCÍ; P°P»PµCĤPiC-C†PSPëPNë PrPµCĤPjP°C,PëC,,; CÍPIPµCĤP±C-P¶;
PeCĤPsPíPëPIbĤ™ CÍPSPeP°; PSP°P±CĤCÍPePë PíPeP»CĤC†P°CĤC†Pë
P°PSPiC-PsPSPµPICĤPsC,PëC†PSPëPNë PSP°P±CĤCÍPe; PíPSCÍC,CĤPëPNë
PíPµPSPµCĤP°P»C-P·PsPIP°PSPëPNë PµPeP·P°PSC,PµPjP°C,PsP·PSPëPNë PíCíCÍC,CíP»CHbPsP·,
PµPeP·P°PSC,PµPjP°; PµPeCÍCíPrP°C,PëPIPSP° P±P°PíP°C,PsC,,PsCĤPjPSP° PµCĤPëC,PµPjP°;
CÍPëPSPPrCĤPsPj PŸC,C-PIPµPSCÍP°-P°P¶PsPSCÍPsPSP°; C,PsPeCÍPëC†PSPëPNë
PµPíC-PrPµCĤPjP°P»CHbPSPëPNë PSPµPeCĤPsP»C-P· (CÍPëPSPPrCĤPsPj P»P°PNëC°P»P°P°),
P»C-PeP°CĤCÍCHbPeC- CĤPµP°PeC†C-C— P· PµPsP·PëPSPsC,,C-P»C-C°CĤ C,P°
CÍPëCÍC,PµPjPSPëPjPë PíCĤPsCÍPIP°PjPë (DRESS-CÍPëPSPPrCĤPsPj).

P— P±PsPeCž PSPëCĤPsPe C,P° CÍPµC†PsPIPëPrC-P»CHbPSPsC— CÍPëCÍC,PµPjPë:B
PíC-PrPIPëC%PµPSPSCÍ PePsPSC†PµPSC,CĤP°C†C-C— CÍPµC†PsPIPëPSPë C,P°
PeCĤPµP°C,PëPSC-PSCí Pí PeCĤPsPIC-, PsP»C-PíCíCĤC-CÍ, PíPµPjP°C,CíCĤC-CÍ,
PíP»CĤPePsP·CíCĤC-CÍ; C†PëP»C-PSPPrCĤCíCĤC-CÍ, C-PSC,PµCĤCÍC,PëC†C-P°P»CHbPSPëPNë
PSPµC,,CĤPëC,, CíC,PíPSCĤPµPSPSCÍ PíCĤPµC†PëPíC-C,P°C,C-PI Cí PSPëCĤPeP°C...
(PsP±PsCĤPsC,PSC-).

PkPµPICĤPsP»PsPiC-C†PSC- CĤPsP·P»P°PrPë: PíPsP»PsPIPSPëPNë P±C-P»CHb C-
P·P°PíP°PjPsCĤPsC†PµPSPSCÍ, C,CĤPµPjPsCĤ, CÍCíPrPsPjPë; CĤC-PrPePs -
PµPSC†PµC,,P°P»PsPíP°C,C-CÍ.

PŁP°CĤPrC-P°P»CHbPSC- CĤPsP·P»P°PrPë: PíC-PrPIPëC%PµPSPSCÍ P°P±Ps
P·PSPëP¶PµPSPSCÍ P°CĤC,PµCĤC-P°P»CHbPSPsPíPs C,PëCÍPeCí, PIC-PrC†CíC,C,CÍ
CÍPµCĤC†PµP±PëC,C,CÍ, CÍPëPSPPrCĤPsPj PŁPsCíPSC-CÍP° (C†P°CÍC,PsC,P°
PSPµPIC-PrPsPjP°).

P— P±PsPeCž PsCĤPiP°PSC-PI PrPëC...P°PSPSCÍ, PíCĤCžPrPSPsC— PeP»C-C,PePë C,P°
CÍPµCĤPµPrPsCÍC,C-PSPSCÍ: P·P°PrPëC€PeP°, P±CĤPsPSC...PsCÍPíP°P·Pj.

P— P±PsPeCž C-PjCžPSPSPsC— CÍPëCÍC,PµPjPë: P°PSP°C,,C-P»P°PeC,PëC†PSC- P°P±Ps
P°PSP°C,,C-P»P°PeC,PsC—PrPSC- CĤPµP°PeC†C-C—, P°PSP°C,,C-P»P°PeC,PëC†PSPëPNë C€PsPe,
PíC-PíPµCĤC†CíC,P»PëPIC-CÍC,CHb, CĤPµP°PeC†C-CÍ PíCĤPëC€P°-
P°PµCĤPeCÍC...P°PNëPjPµCĤP°.

P— P±PsPeCž PsCĤPiP°PSC-PI CÍP»CžC...Cž C- CĤC-PIPSPsPIP°PiPë: PíPµCĤC,PëPíPs.

P—P°PiP°P»CHbPSC- CĤPsP·P»P°PrPë: PíCĤPsPíP°CÍPSPëC†CÍ, PsP·PSPsP±,
CÍPëCĤPsPIP°C,PePsPIP° C...PíPSCĤPsP±P°, PSP°P±CĤCÍPePë, PSPsCÍPsPIC-
PeCĤPsPíPSC,PµC†C-, CÍP»P°P±PeC-CÍC,CHb.

PŁC-CÍC†PµPIC- CĤPµP°PeC†C-C—: PíCĤPë PíPSCíC,CĤC-C€PSCĤbPsPíPµPSPSPsPjCí
PíPíPµPrPµPSPSC- bĤ“ C,,P»PµP±C-C,Pë, P±PsP»CĤC†C-CÍC,CHb, CíC%C-P»CHbPSPµPSPSCÍ
PíPs C...PsPrCí PíPµPSPë; PíCĤPë PíPSCíC,CĤC-C€PSCĤbPsPjPbĤ™ CÍP·PsPíPSPjCí
PíPíPµPrPµPSPSC- bĤ“ P±PsP»CĤC†C-CÍC,CHb Cí PjC-CÍC†C- PíPíPµPrPµPSPSCÍ.
P°PSCíC,CĤC-C€PSCĤbPsPjPbĤ™ CÍP·PsPIP° C-PSbĤ™ C°PeC†C-CÍ P±PµP·
P·P°CÍC,PsCÍCžPIP°PSPSCÍ P»C-PrPsPeP°C—PSCž P±PsP»CĤC†P°.

P°PíP»PëPI PSP° CĤPµP·CžP»CHbC,P°C,Pë P»P°P±PsCĤP°C,PsCĤPSPëC... P°PSP°P»C-P·C-PI.

PµC-PrPIPëC%PµPSPSCÍ CĤC-PIPSCÍ PeCĤPµP°C,PëPSC-PSCí Cí PeCĤPsPIC-. Pj
PíPsPsPrPëPSPsPePëC... PíPëPíP°PrPeP°C... PíCĤPë P»C-PeCíPIP°PSPSC- PíCĤPµPíP°CĤP°C,PsPj
Cí C...PíPSCĤPëC... PjPsP¶CíC,CHb PIC-PrP·PSP°C†P°C,PëCÍCÍ C...PëP±PSPsPíPsP·PëC,PëPIPS-
CĤPµP·CíP»CHbC,P°C,Pë C,PµCÍC,Cí PŁCíPjP±CÍP°. PíPe C- C-PSC€C-

P°PSC,PëP±C-PsC,PëPePë, PïCḡPμPïP°CḡP°C, PjPsPḡPμ CḡPïCḡPëC±PëPSCḡC,Pë
C...PëP±PSPsPïPsP·PëC,PëPIPSPëPNḡ CḡPμP·CḡP»CHC,P°C, PïCḡPsP±Pë PSP°
PïP°P»P°PeC,PsP·PμPjC-Cḡ. PḡPëP±PSPsPïPsP·PëC,PëPIPSC- CḡPμP·CḡP»CHC,P°C,Pë
PjPsPḡCḡC,CH P±CḡC,Pë PsC,CḡPëPjP°PSC- C- PïCḡPë PIPëP·PSP°C±PμPSC- PïP»CḡPePsP·Pë Cḡ
CḡPμC±C-, C,PsPjCḡ PïC-Pr C±P°Cḡ P»C-PeCḡPIP°PSPSCḡ PḡCḡP»CHP±P°PeC,PsPjP°PeCḡPsPj
PïP»CḡPePsP·CḡCḡC-Pḡ PïCḡPë PSPμPsP±C...C-PrPSPsCḡC,C- CḡP»C-Pr PIPëP·PSP°C±P°C,Pë
P»PëCḡPμ C,,PμCḡPjPμPSC,PSPëPj PjPμC,PsPrPsPj.

P'PëPïP°PrPePë PrC-P°CḡPμC— PïC-CḡP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ
C±PμC,,C,CḡC-P°PeCḡPsPSCḡ PjPsPḡCḡC,CH P±CḡC,Pë PïPsPïBḡ™ CḡP·P°PSC- C-P· *Clostridium
difficile*. PḡP»C-Pr PïCḡPëP·PSP°C±PëC,Pë PIC-PrPïPsPIC-PrPSCḡ PeC-P»CHPeC-CḡC,CH
CḡC-PrPëPSPë C,P° PμP»PμPeC,CḡPsP»C-C,C-PI (PrPëPI. CḡPsP·PrC-P»
B«PḡCḡPsP±P»PëPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

PμCḡPμC±PëPïC-C,P°C,Pë PeP°P»CHCḡC-C"PIPsC— CḡPsP»C- C±PμC,,C,CḡC-P°PeCḡPsPSCḡ.

P C-PrPeC-CḡPSC- PIPëPïP°PrPePë C,CḡPḡPePëC... PSPμP±P°PḡP°PSPëC... CḡPμP°PeCḡC-PNḡ,
C-PSPsPrC- P· P»PμC,P°P»CHPSPëPjPë PSP°CḡP»C-PrPeP°PjPë, P·P°CḡPμC"ḡC,CḡPsPIP°PSC-
Cḡ PSPμPrPsPSPsCḡPμPSPëC... C,P° PrPsPSPsCḡPμPSPëC... PSPsPIPsPSP°CḡPsPrPḡPμPSPëC...
(PIC-PePsPj < 28 PrPSC-PI), CḡPePëPj PIPSCḡC,CḡC-CḡPSCḡPsPIPμPSPSPs PIPsPrPëP»Pë
C±PμC,,C,CḡC-P°PeCḡPsPS C,P° PïCḡPμPïP°CḡP°C,Pë PeP°P»CHCḡC-Cḡ. PμCḡPë
P°CḡC,PsPïCḡC-C— Cḡ P»PμPïPμPSCḡC... C,P° PSPëCḡPeP°C... P±CḡP»Pë PIPëCḡPIP»PμPSC-
PïCḡPμC±PëPïC-C,P°C,Pë PeP°P»CHCḡC-C"PIPsC— CḡPsP»C- C±PμC,,C,CḡC-P°PeCḡPsPSCḡ.
P'PëCḡPsPePëPNḡ CḡPëP·PëPe CḡC,PIPsCḡPμPSPSCḡ PïCḡPμC±PëPïC-C,P°C,C-PI Cḡ
PSPsPIPsPSP°CḡPsPrPḡPμPSPëC... C" PSP°CḡP»C-PrPePsPj C—C... PjP°P»PsPïPs PsP±Bḡ™ C"ḡPjCḡ
PeCḡPsPIC- C,P° PrPsPICḡPsPïPs, PSC-Pḡ Cḡ PrPsCḡPsCḡP»PëC..., PïPμCḡC-PsPrCḡ
PSP°PïC-PIPIPëPIPμPrPμPSPSCḡ C±PμC,,C,CḡC-P°PeCḡPsPSCḡ (PrPëPI. CḡPsP·PrC-P»Pë
B«PμCḡPsC,PëPïPsPeP°P·P°PSPSCḡB», B«PḡCḡPsP±P»PëPIPsCḡC,C-
P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

P—P°CḡPμC"ḡC,CḡPsPIP°PSC- PIPëPïP°PrPePë CḡC,PIPsCḡPμPSPSCḡ
PïCḡPμC±PëPïC-C,P°C,C-PI Cḡ PSPëCḡPeP°C..., PïPsP»PsPIPSPëPj C±PëPSPsPj Cḡ PrC-C,PμPNḡ
PIC-PePsPj PIC-Pr

3 CḡPsPeC-PI, CḡPeC- PsC,CḡPëPjCḡPIP°P»Pë PIPμP»PëPeC- PrPsP±PsPIC- PrPsP·Pë
PïCḡPμPïP°CḡP°C,Cḡ (≥ 80 PjPi/PePi PSP° PrPsP±Cḡ), P°P±Ps PeCḡPjCḡP»CḡC,PëPIPSC- PrPsP·Pë
PïPsPSP°Pr 10 Pi, P° C,P°PePsPḡ CḡPeC- PjP°P»Pë PrPsPrP°C,PePsPIC- C,,P°PeC,PsCḡPë
CḡPëP·PëPeCḡ (PsP±PjPμPḡPμPSPμ PIPḡPëPIP°PSPSCḡ CḡC-PrPëPSPë, PïPsCḡC,C-P»CHPSPëPNḡ
CḡPμPḡPëPj). P PëP·PëPe CḡC,PIPsCḡPμPSPSCḡ PïCḡPμC±PëPïC-C,P°C,C-PI P·CḡPsCḡC,P°C" Cḡ
PïP°CḡC-C"ḡPSC,C-PI, PïPsP·P±P°PIP»PμPSPëC... CḡCḡC...P»PëPIPsCḡC,C- P°P±Ps Cḡ
C...PIPsCḡPëC... Cḡ CḡC,P°PSC- P·PSPμPIPsPrPSPμPSPSCḡ. PjC,PIPsCḡPμPSPSCḡ
PïCḡPμC±PëPïC-C,P°C,C-PI Cḡ PSPëCḡPeP°C... PjPsPḡPμ PïCḡPsC,C-PeP°C,Pë
P±PμP·CḡPëPjPïC,PsPjPSPs P°P±Ps PïCḡPsCḡPIP»CḡC,PëCḡCḡ PeP»C-PSC-C±PSPs, PjPsPḡPμ
CḡPïCḡPëC±PëPSPëC,Pë PSPëCḡPePsPICḡ PSPμPrPsCḡC,P°C,PSC-CḡC,CH, CḡPeP° PjPëPSP°C"
PïC-CḡP»Cḡ PïCḡPëPïPëPSPμPSPSCḡ P»C-PeCḡPIP°PSPSCḡ C±PμC,,C,CḡC-P°PeCḡPsPSPsPj.

P—P°CḡPμC"ḡC,CḡPsPIP°PSC- PIPëPïP°PrPePë CḡC,PIPsCḡPμPSPSCḡ
PïCḡPμC±PëPïC-C,P°C,C-PI PeP°P»CHCḡC-C"PIPsC— CḡPsP»C- C±PμC,,C,CḡC-P°PeCḡPsPSCḡ Cḡ
PḡPsPIC±PSPsPjCḡ PjC-C...CḡCḡC-, PïPμCḡPμPIP°PḡPSPs Cḡ PïP°CḡC-C"ḡPSC,C-PI, CḡPePëPj
PïCḡPμPïP°CḡP°C, PIPsPrPëP»Pë Cḡ PrPsP·P°C..., PIPëC%PëC... P·P° CḡC,P°PSPrP°CḡC,PSCḡ
CḡPμPePsPjPμPSPrPsPIP°PSCḡ PrPsP·Cḡ. Pj PrC-C,PμPNḡ, P·P° PrP°PSPëPjPë
PïCḡPsCḡPïPμPeC,PëPIPSPëC... PrPsCḡP»C-PrPḡPμPSCḡ, C±P°CḡC,PsC,P° CḡC,PIPsCḡPμPSPSCḡ

PĭCĥPμC†PēPĭC-C,P°C,C-PI PĭCĥPē PIPSCřC,CĥC-C€PSCĥPsPIPμPSPSPsPjCř PIPIPμPrPμPSPSC-
 PĭCĥPμPĭP°CĥP°C,Cř P±CřP»P° CĥC-P·PSPsCĥ Bĥ“ Cř PrPμCĭPePēC...
 PrPsCĭP»C-PrP¶PμPSPSCĭC... PĭPsPSP°Pr 30 %. PμCĥPē PĭPsPIC-P»CĥPSPsPjCř
 PIPIPμPrPμPSPSC- PĭCĥPμPĭP°CĥP°C,Cř (PĭCĥPsC,CĭPiPsPj 20-30 C...PIPēP»PēPS)
 C†P°CĭC,PsC,P° CřC,PIPsCĥPμPSPSCĭ PĭCĥPμC†PēPĭC-C,P°C,C-PI, PsC†PμPIPēPrPSPs,
 PSPēP¶C†P°. PjC,PIPsCĥPμPSPSCĭ PĭCĥPμC†PēPĭC-C,P°C,C-PI P·P°P·PIPēC†P°PNē PSPμ
 CĭCřPĭCĥPsPIPsPrP¶CřC”C,CĥCĭCĭ CĭPēPjPĭC,PsPjP°PjPē, P°P»Pμ Cř CĥC-PrPeC-CĭPSPēC...
 PIPēPĭP°PrPeP°C... PIPēPSPēPeP°P»Pē C,P°PeC- PeP»C-PSC-C†PSC- CĭPēPjPĭC,PsPjPē CĭPe
 P±C-P»Cĥ, PSCřPrPsC,P° C- P±P»CĥPIP°PSPSCĭ. Pj C,P°PePēC... PIPēPĭP°PrPeP°C...
 CĥPμPePsPjPμPSPPrCřC”C,CĥCĭCĭ CĭPēPjPĭC,PsPjP°C,PēC†PSPμ P»C-PeCřPIP°PSPSCĭ.
 PμC-CĭP»Cĭ PĭCĥPēPĭPēPSPμPSPSCĭ P·P°CĭC,PsCĭCřPIP°PSPSCĭ
 C†PμC,,C,CĥC-P°PeCĭPsPSCř PĭCĥPμC†PēPĭC-C,P°C,Pē P·P°P·PIPēC†P°PNē P·PSPēPeP°CĥC,Cĥ
 (PrPēPI. CĥPsP·PrC-P» B«PĥCĭPsP±P»PēIPsCĭC,C- P·P°CĭC,PsCĭCřPIP°PSPSCĭB»).

¹P—P°P·PIPēC†P°PNē PjP°C” PsP±PsCĥPsC,PSPēPNē C...P°CĥP°PeC,PμCĥ PĭCĥPē
 PĭCĥPēPĭPēPSPμPSPSC- PĭCĥPēPNēPsPjCř C†PμC,,C,CĥPēP°PeCĭPsPSCř.

²P”PēPI. CĥPsP·PrC-P» B«PĥCĭPsP±P»PēIPsCĭC,C- P·P°CĭC,PsCĭCřPIP°PSPSCĭB».

PŷPμCĥPjC-PS PĭCĥPēPrP°C,PSPsCĭC,C-. 2 CĥPsPePē.

PJPjPsPIPē P·P±PμCĥC-PiP°PSPSCĭ.

P—P±PμCĥC-PiP°C,Pē PĭCĥPē C,PμPjPĭPμCĥP°C,CřCĥC- PSPμ PIPēC‰Pμ 25 B°Pŷ PI
 PsCĥPēPĭC-PSP°P»CĥPSC-PNē CřPĭP°PePsPIC†C- Cř PSPμPrPsCĭC,CřPĭPSPsPjCř PrP»Cĭ
 PrC-C,PμPNē PjC-CĭC†C-.

PkPμCĭCžPjC-CĭPSC-CĭC,Cĥ.

PμCĥPμPĭP°CĥP°C, Cř P¶PsPrPSPsPjCř CĥP°P·C- PSPμ CĭP»C-Pr PrPsPrP°PIP°C,Pē PI
 C-PSC,,CřP·C-PNēPSC- CĥPsP·C†PēPSPē, C‰Ps PjC-CĭC,CĭC,Cĥ PeP°P»CĥC†C-PNē,
 PSP°PĭCĥPēPeP»P°Pr, CĥPsP·C†PēPS P”P°CĥC,PjP°PSP° P°P±Ps P C-PSPiPμCĥP°,
 PIPēP»CĥC†P°CĥC†Pē PĭPsIPSPμ CĥPsP·C†PēPSPē PrP»Cĭ PĭP°CĥPμPSC,PμCĥP°P»CĥPSPsPiPs
 C...P°CĥC†CřPIP°PSPSCĭ (PrPēPI. CĥPsP·PrC-P»Pē B«PŷPĭPsCĭC-P±
 P·P°CĭC,PsCĭCřPIP°PSPSCĭ C,P° PrPsP·PēB», B«PĥCĭPsP±P»PēIPsCĭC,C-
 P·P°CĭC,PsCĭCřPIP°PSPSCĭB» C,P° B«PμPsP±C-C†PSC- CĥPμP°PeC†C-C—B») Cř
 P·PIBĥ™ CĭP·PeCř P· C,PēPj, C‰Ps PjPsP¶CřC,Cĥ CřC,PIPsCĥCĥPIP°C,PēCĭCĭ
 PĭCĥPμC†PēPĭC-C,P°C,Pē! PkPμ CĭP»C-Pr C,P°PePsP¶ P·P°CĭC,PsCĭPsPICřPIP°C,Pē
 PeP°P»CĥC†C-PNēPIPjC-CĭPSC- CĥPsP·C†PēPSPē PĭCĥPsC,CĭPiPsPj 48 PiPsPrPēPS PĭC-CĭP»Cĭ
 PsCĭC,P°PSPSCHsPiPs PIPIPμPrPμPSPSCĭ C†PμC,,C,CĥC-P°PeCĭPsPSCř. PμCĥPμPĭP°CĥP°C,
 PSPμCĭCřPjC-CĭPSPēPNē P· P°PjP·P°PeCĥPēPSPsPj, PIP°PSPePsPjC-C†PēPSPsPj,
 C,,P»CřPePsPSP°P·PsP»PsPj C,P° P°PjC-PSPsPiP»C-PePsP·PēPrP°PjPē, C-PSC€PēPjPē
 P°PSC,PēP±C-PsC,PēPeP°PjPē.

PJPĭP°PePsPIPeP°.

$\text{P} \nleftrightarrow \text{Ps} \quad 1 \quad \text{C}_{\text{H}} \text{P} \gg \text{P}^{\circ} \text{PePsPSCr} \quad 10 \quad \text{P}^{\circ} \text{P} \pm \text{Ps} \quad 20 \quad \text{PjP} \gg \text{Cr} \quad \text{PeP}^{\circ} \text{C}_{\text{H}} \text{C}, \text{PsPSPSC-PN}_{\text{e}} \quad \text{PePsC}_{\text{H}} \text{PsP} \pm \text{C} \dagger \text{C}-.$

P_лP°C,P_μPiPsC_тC-C_ц PIC-P_гP_іC_гC_ГP_εC_г. P—P° C_тP_μC†P_μP_іC,P_sP_j.

P'PëCḐPsP±PSPëPε.

$$P'P_{\mu}PSCrC\Gamma \quad P \quad P_{\mu}P_jP_{\mu}PrC-C\Gamma \quad P \triangleright C-P_jC-C, P_{\mu}Pr.$$

РѢС-СГС†РμР•РSP°С...РsРrР¶РμРSPSPSCЦ РIPёСЃРsР±РSPёРeР° С,Р° Р°РrСЃРμСГР° РiСЃРsРIP°РrР¶РμРSPSPSCЦ РNёРsРPiРs РrС-СЦР»СѢРSPsСГС,С-.

$\text{P}\Gamma\text{C}-\text{P}\gg\text{P}\gg\text{P}\check{\text{y}}\text{P}\text{sP}\text{i}\text{P}\text{tPSP}\Gamma\text{C}\acute{\text{r}}\text{C}\acute{\text{r}}\text{C},\text{C}\check{\text{H}}\text{C}-\text{P}^{\circ}\text{P}\gg\text{P}\cdot\text{C}\acute{\text{r}}\text{C},\text{P}_{\mu}\text{P}\text{N}_{\text{e}}\text{C},,\text{P}^{\circ}\text{P}\P^{\circ}\text{C}\check{\text{H}}\text{P}\text{jP}^{\circ}\text{P}\Gamma\text{P}\P^{\circ}\text{C}\check{\text{H}}\text{C}-,\text{P}\cdot\text{P}\text{P}\text{tP}$
 $\text{P}\alpha\text{P}_{\mu}\text{P}\text{N}_{\text{e}}\text{P}\cdot-\text{P}\text{t}(\text{P}\cdot\text{P}\text{eC}\acute{\text{r}}\text{C},\text{P}\text{S}.),\text{P}^{\circ}\text{P}^{\circ}\text{C},\text{P}\text{sP}\gg\text{C}-\text{P}\check{\text{L}}\text{P}^{\circ}\text{P}\gg\text{P}^{\circ}\text{P}\text{S},\text{P}^{\circ}\text{P}^{\circ}\text{P}\Gamma\text{P}\Gamma\text{C}-,\text{P}\text{sP}\text{eC}\check{\text{H}}\text{C}\acute{\text{r}}\text{P}\text{i}\text{P}\check{\text{Y}}\text{P}\text{sP}\gg\text{P}^{\circ}\text{P}\text{S},$
 $\text{P}\Gamma\text{C}-\text{P}\text{jP}^{\circ}\text{C}\ddagger\text{P}^{\circ}\text{P}\gg\text{P}_{\mu}\text{C}\check{\text{H}}\text{P}^{\circ}\text{P}\Gamma\text{P}_{\mu}\text{C}\text{€}173205,\text{P}\text{tPSP}\Gamma\text{C}-\text{C}\check{\text{U}}.$

P°P±Ps*

P'PëCᵗᵗPₛP±PSPëPε.

$$\text{P}\ddot{\text{Y}}\text{PIC}-\text{Cl}\dot{\text{C}}\dot{\text{C}}\text{P}\ddot{\text{H}}\text{P}\mu\text{C}\dot{\text{H}}\text{P}\mu\text{PSC}, \text{P}\mu\text{C}\dot{\text{H}}\text{P}^{\circ}\text{P}\gg\text{Cl}\dot{\text{C}}\text{P}\gg\text{C}, \text{Pr}.$$

P_{HC}-Cl⁺C†P_μP·PSP°C...PsPrP¶P_μPSPSC¶ PIPëC¶PsP±PSPëPeP°.

P'P»PsPe P†P†, P"C-P»C‡PSPeP° B,, - 402, 412-414 P‡CTjPsPjPëCÍP»PsPIP° P·PsPSP°
P‡PμCTjP°P»P°, GIDC, PiPsCTjC‡Pr P'P°PIP»P°, PhC...PjPμPrP°P±P°Pr, P"CíPrP¶P°CTjP°C., 382
220, P†PSPrC-C‡.

P—P°CȚPIPSPëPε.

$$\text{P}_{\text{H}}\text{C}-\text{P}\gg\text{C}-\text{P}\Gamma\text{P}_{\mu}\text{P}\gg\text{C}\Gamma\text{P}_{\epsilon}\text{P}_{\mu}\text{C}\zeta\text{P}_{\mu}\text{P}\gg\text{C}-\text{P}\text{j}\text{C}-\text{C},\text{P}_{\mu}\text{P}\Gamma.$$
$$\mathbf{P_{\text{H}}C-C\acute{I}C\ddagger P_{\text{U}}P\cdot P S P^{\circ}C...P_{\text{S}}P_{\text{T}}P\P P_{\text{U}}P S P S C\sqcup P\cdot P^{\circ}C\sqcup P I P S P\ddot{P}_{\text{E}}P_{\text{E}}P^{\circ}.$$

2- PN_{e} $\text{PiPsPiP}_{\mu}\text{C}_{\text{H}}\text{C}_{\text{e}}\dots$, $\text{PsC}_{\text{e}}\text{C}-\text{C}_{\text{I}}\text{PSP}_{\mu}$ $\text{PiC}_{\text{H}}\text{P}_{\text{e}}\text{PjC}-\text{C}_{\text{e}}\text{P}_{\mu}\text{PSPSC}_{\text{H}}$, 4 $\text{P}_{\text{H}}\text{P}^{\circ}\text{C}_{\text{H}}\text{C}_{\text{e}}\text{C}-\text{P}_{\text{e}}\text{P}_{\text{r}}$ $\text{P}_{\text{I}}\text{P}^{\circ}\text{C}_{\text{I}}\text{C}_{\text{I}}$, $\text{P}_{\text{H}}\text{P}^{\circ}\text{C}_{\text{I}}\text{P}_{\text{e}}\text{P}_{\text{r}}$ $\text{P}_{\text{Y}}\text{C}_{\text{e}}\text{C}_{\text{H}}\text{C}-\text{C}_{\text{e}}$, $\text{P}_{\text{Y}}\text{PsPSC}$, PsPS , $\text{P}_{\text{Y}}\text{PsPjP}_{\mu}\text{C}_{\text{H}}\text{C}_{\text{I}}\text{P}_{\mu}\text{C}_{\text{e}}$, $\text{P}_{\text{H}}\text{PSPiP}_{\text{e}}\text{C}-\text{C}_{\text{H}}$, $\text{B B B B B B B B B B B B B B B B TA1 4AS}$, $\text{P}'\text{P}_{\mu}\text{P}_{\text{e}}\text{P}_{\text{e}}\text{P}^{\circ}$ $\text{P}'\text{C}_{\text{H}}\text{P}_{\text{e}}\text{C}_{\text{e}}\text{P}^{\circ}\text{PSC}-\text{C}_{\text{H}}$.

***PJ C-PSCfC,CḡCfPεC†C-CḂ, CΠPεP° PIPεP»P°PṛP°C″C,CḂCfCΠ PΙ CfPĩP°PεPsPIPεCf,
PIPSPsCfPëC,CḂCfCΠ CfP°PjPμ C,PsPN₂ PIPëCḡPsP±PSPëPε, CΠPεPëPN₂**

**PIC-PrPĩPsPIC-PrP°C″ P·P° PIPëPĩCfCfPε CfPμCḡC-C—, C,P° PIC-Pr CΠPεPsPiPs
P·PṛC-PN₂CfPSCḂC″C,CḂCfCΠ PĩPsCfC,P°PIPεP°.**