

**PṛP»CΠ PjPμPrPëC‡PSPsPiPs P·P°CíC,PscíCíPIP°PSPSCΠ
P»C-PεP°CĤCíCĥPePsPiPs P·P°CíPsP±Cí**

(FLOXIUM)

РЛРsРГ РђРўРГ J01M A12.

PαP°CḡPjP°PePsP»PsPiC-C‡PSC- PIP»P°CfC,PëPIPsCfC,C-.

PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°.

P>PμPIPsC,,P»PsPeCfP°C†PëPS C...P°CḡP°PeC,PμCḡPëP·CfC”C,CHCfCfCf CëPëCḡPsPePëPj
CfPïPμPeC,CḡPsPj P°PSC,PëP±P°PeC,PμCḡC-P°P»CHPSPSC— PrC-C—.
P’P°PeC,PμCḡPëC†PëPrPSPëPNë PμC,,PμPeC, P·P°P±PμP·PïPμC‡CfC”C,CHCfCfCf P·P°PIPrCfPePë
PïCḡPëPiPSC-C‡PμPSPSCḡ P»PμPIPsC,,P»PsPeCfP°C†PëPSPsPj
P±P°PeC,PμCḡC-P°P»CHPSPsPiPs C,,PμCḡPjPμPSC,Cf
P”PκPḡ-PiC-CḡP°P·Pë, CfPePëPNë PSP°P»PμP¶PëC,CH PrPs II C,PëPiCf
C,PsPïPsC-P·PsPjPμCḡP°P· P PμP·CfP»CHC,P°C,PsPj C,P°PePsPiPs PïCḡPëPiPSC-C‡PμPSPSCf C”
PSPμPjPsP¶P»PëPIC-CfC,CH PïPμCḡPμC...PsPrCf P±P°PeC,PμCḡC-P°P»CHPSPsC— P”PκPḡ P·C-
CfC,P°PSCf CḡPμP»P°PeCfP°C†C-C— Cf PSP°PrCfPeCḡCfC‡PμPSPëPNë CfC,P°PS, C%Ps, P·C-
CfPIPsPiPs P±PsPeCf, CḡPsP±PëC,CH PSPμPjPsP¶P»PëPIPëPj PïPsPrP°P»CHCëPëPNë PïPsPrC-P»
(CḡPsP·PjPSPsP¶PμPSPSCf) P±P°PeC,PμCḡC-P°P»CHPSPëC... PeP»C-C,PëPS. PŸPïPμPeC,Cḡ
P°PeC,PëPIPsCfC,C- PïCḡPμPïP°CḡP°C,Cf PαP»PsPeCfC-CfPj°PIPeP»CHC‡P°C”
PiCḡP°PjPïPs·PëC,PëPIPSC-, PiCḡP°PjPSPμPiP°C,PëPIPSC- P±P°PeC,PμCḡC-C— CḡP°P·PsPj C-P·
PSPμC,,PμCḡPjPμPSC,CfCHC‡PëPjPë P±P°PeC,PμCḡC-CfPjPë.

P—P°P·PIPëC‡P°PNë C‡CfC,P»PëPIC- PIPëPrPë

*P”CḡP°PjPïPsP·PëC,PëPIPSC- P°PμCḡPsP±Pë: Bacillus anthracis, Staphylococcus aureus
PjPμC,PëC†PëP»C-PSC‡C¿C,P»PëPIC-, Staphylococcus saprophyticus Streptococci, group C
and G, Streptococcus agalactiae, Streptococcus pneumonia, Streptococcus pyogenes.*

*P”CḡP°PjPSPμPiP°C,PëPIPSC- P°PμCḡPsP±Pë: Eikenella corrodens, Haemophilus influenzae,
Haemophilus parainfluenzae, Klebsiella oxytoca, Moraxella catarrhalis, Pasteurella
multocida, Proteus vulgaris, Providencia rettgeri.*

PḡPSP°PμCḡPsP±Pë: Peptostreptococcus.

*P†PSCëC-: Chlamydophila pneumonia, Chlamydophila psittaci, Chlamydia trachomatis,
Legionella pneumophila, Mycoplasma pneumonia, Mycoplasma hominis, Ureaplasma
urealyticum.*

P’PëPrPë P· PjPsP¶P»PëPIPsCḡ PSP°P±CfC,PsCḡ CḡPμP·PëCfC,PμPSC,PSC-CfC,Cḡ

*P”CḡP°PjPïPsP·PëC,PëPIPSC- P°PμCḡPsP±Pë: Enterococcus faecalis, Staphylococcus aureus
PjPμC,PëC†PëP»C-PSC‡C¿C,P»PëPIC-, PePsP°PiC¿P»P°P·PsPSPμPiP°C,PëPIPSC- Staphylococcus
spp.*

*P”CḡP°PjPSPμPiP°C,PëPIPSC- P°PμCḡPsP±Pë: Acinetobacter baumannii, Citrobacter freundii,
Enterobacter P°erogenes, Enterobacter cloacae, Escherichia coli, Klebsiella pneumoniae,
Morganella morganii, Proteus mirabilis, Providencia stuartii, Pseudomonas aeruginosa,
Serratia marcescens.*

*PḡPSP°PμCḡPsP±Pë: **B** Bacteroides fragilis.*

PμCḡPëCḡPsPrPSPs CḡPμP·PëCfC,PμPSC,PSC- CëC,P°PjPë

P“C₇P°PjPiPsP·PëC, PëPIPSC- P°P_μC₇PsP±Pë: *Enterococcus faecium*.

P_μC...P°PSC-P·Pj C₇PsP·PIPëC, PëC₇ C₇P_μP·PëC₇C, P_μPSC, PSPsC₇C, C-

P₇C, C-PN₂PeC-C₇C, CH₂ PrPs P»P_μPIPsC,, P»PsPeC₇P°C†PëPSC₇ C₇PsP·PIPëPIP°C”C, CH₂C₇C₇ C₇ PIPëPiP»C₇PrC- C₇C, C₇PiP_μPSP_μPIPsC— PjC₇C, P°C†C-C— C₇P°PN₂C, C₇-PjC-CëP_μPSC- PI PsP±PsC... C, PëPiC-PI C, PsPiPsC-P·PsPjP_μC₇P°P·Pë II, P”P₇PeC-PiC-C₇P°P·Pë C- C, PsPiPsC-P·PsPjP_μC₇P°P·Pë IV. P†PSCëC- PjP_μC...P°PSC-P·PjPë C₇P_μP·PëC₇C, P_μPSC, PSPsC₇C, C-, C, P°PeC- C₇Pe PiC₇PsPSPëPePSC-C₇C, CH₂ (C...P°C₇P°PeC, P_μC₇PSPs PrP»C₇ *Pseudomonas aeruginosa*), C- PjP_μC...P°PSC-P·PjPë PIC-PrC, PsPeC₇ PjPsP₇C₇C, CH₂ C, P°PePsP₇ PIPiP»PëPIP°C, Pë PSP° C†C₇C, P»PëPIC-C₇C, CH₂ PrPs P»P_μPIPsC,, P»PsPeC₇P°C†PëPSC₇.

P₇PiPsC₇C, P_μC₇C-PiP°C”C, CH₂C₇C₇ PiP_μC₇P_μC...C₇P_μC₇PSP° C₇P_μP·PëC₇C, P_μPSC, PSC-C₇C, CH₂ PjC-P₇ P»P_μPIPsC,, P»PsPeC₇P°C†PëPSPsPj C, P° C-PSCëPëPjPë C,, C, PsC₇C...C-PSPsP»PsPSP°PjPë. P— PsPiP»C₇PrC₇ PSP° PjP_μC...P°PSC-P·Pj PrC-C—, PSP_μ C-C₇PSC₇C” P₇PsPrPSPsC— PiP_μC₇P_μC...C₇P_μC₇PSPsC— C₇P_μP·PëC₇C, P_μPSC, PSPsC₇C, C- PjC-P₇ P»P_μPIPsC,, P»PsPeC₇P°C†PëPSPsPj C, P° C-PSCëPëPjPë PeP»P°C₇P°PjPë P°PSC, PëP±P°PeC, P_μC₇C-P°P»CH₂PSPëC... P·P°C₇PsP±C-PI.

P_μP₇PsPIC- PePsPSC†P_μPSC, C₇P°C†C-C— (*Breakpoint*) P°PSC, PëP±C-PsC, PëPeP° (P°P±Ps PiC₇P°PSPëC†PSC- P·PSP°C†P_μPSPSC₇ PrC-P°PjP_μC, C₇P° P·PsPSPë PiC₇PëPiPSC-C†P_μPSPSC₇ C₇PsC₇C, C₇ PjC-PeC₇PsPsC₇PiP°PSC-P·PjC₇).

EUCAST (P,, PIC₇PsPiP_μPN₂C₇CH₂PePëPN₂ PePsPjC-C, P_μC, C, P_μC₇C, C₇PIP°PSPSC₇ P°PSC, PëPjC-PeC₇PsP±PSPsC— C†C₇C, P»PëPIPsC₇C, C-) C₇P_μPePsPjP_μPSP₇C₇C” PjC-PSC-PjP°P»CH₂PSC₇ C-PSPiC-P±C₇CH₂C†C₇ PePsPSC†P_μPSC, C₇P°C†C-C₇ (P_μP†P₇) P»P_μPIPsC,, P»PsPeC₇P°C†PëPSC₇ B PrP»C₇ PIPëP·PSP°C†P_μPSPSC₇ C†C₇C, P»PëPIPsC₇C, C- PIC-Pr PsPiPsC₇P_μC₇P_μPrPePsPIP°PSPs C†C₇C, P»PëPIPëC... PsC₇PiP°PSC-P·PjC-PI C, P° PsPiPsC₇P_μC₇P_μPrPePsPIP°PSPs C₇P_μP·PëC₇C, P_μPSC, PSPëC... PjC-PeC₇PsPsC₇PiP°PSC-P·PjC-PI, PiC₇P_μPrC₇C, P°PIP»P_μPSPëC... C₇ C, P°P±P»PëC†C- 1 P·P° PrP°PSPëPjPë C, P_μC₇C, C₇PIP°PSPSC₇ P_μP†P₇ B (PjPi/P»).

P₇P°P±P»PëC†C₇ 1

P₇P»C-PSC-C†PSPs PIPëP·PSP°C†P_μPSC- EUCAST MIP₇ PrP»C₇ P»P_μPIPsC,, P»PsPeC₇P°C†PëPSC₇ B (PIP_μC₇C₇C-C₇ 2.0, 2012-01-01)

P—P±C ₇ PrPSPëPe	P ₇ C ₇ C, P»PëPIPëPN ₂	P P _μ P·PëC ₇ C, P _μ PSC, PSPëPN ₂
P·PSC, P _μ C ₇ PsP±P°PeC, P _μ C ₇ C—	≤1 PjPi/P»	>2 PjPi/P»
<i>Pseudomonas spp.</i>	≤1 PjPi/P»	>2 PjPi/P»
<i>Acinetobacter spp.</i>	≤1 PjPi/P»	>2 PjPi/P»
<i>Staphylococcus spp.</i>	≤1 PjPi/P»	>2 PjPi/P»
<i>S. pneumonia</i> ¹ B	≤2 PjPi/P»	>2 PjPi/P»
<i>Streptococcus A, B, C, G</i>	≤1 PjPi/P»	>2 PjPi/P»
<i>H. influenzae</i> ^{2, 3}	≤1 PjPi/P»	>1 PjPi/P»
<i>M. catarrhalis</i> ³ B	≤1 PjPi/P»	>1 PjPi/P»
P“C ₇ P°PSPëC†PSC- P·PSP°C†P _μ PSPSC ₇ , PSP _μ ≤1 PjPi/P»		>2 PjPi/P»
PiPsPiB ₇ ™ C ₇ PrP°PSC- P·PIPëPrPsPj ⁴		

1. P°CTHP°PSPëC†PSC- P·PSP°C†PµPSPSCЦ P»PµPIPSc,,P»PsPeCfP°C†PëPSCr,
PîPsPIbT™ CЦP·P°PSC- P· P»C-PeCfPIP°PSPSCЦPj PIPëCfPsPePëPjPë PrPsP·P°PjPë.
2. PµPsP¶P»PëPIPëPNë PSPëP·CHPePëPNë CTHC-PIPµPSCH CTHPµP·PëCfC,PµPSC,PSPScfC,C-
PrPs C,,C,PsCTHC...C-PSPsP»PsPSC-PI (PµP†Pµ C†PëPîCTHPsC,,P»PsPeCfP°C†PëPSCr 0,12-0,5
PjPi/P»), P°P»Pµ PSPµPjP°C” P¶PsPrPSPëC... PrPsPeP°P·C-PI C,PsPiPs, C°°Ps C,P°PeP°
CTHPµP·PëCfC,PµPSC,PSC-CfC,CH PjP°C” PeP»C-PSC-C†PSPµ P·PSP°C†PµPSPSCЦ PîCTHPë
C-PSC,,PµPeC†C-CЦC... PrPëC...P°P»CHPSPëC... CëP»CЦC...C-PI, C†PîCTHPëC†PëPSPµPSPëC...
H. influenzae.
3. PëC,P°PjPë P·C- P·PSP°C†PµPSPSCЦPjPë MIPµ, PIPëC°°PëPjPë PIC-Pr C†CfC,P»PëPIPsC—
PjPµP¶PsPIPsC— PePsPSC†PµPSC,CTHP°C†C—, PrCfP¶Pµ CTHC-PrPeC-CfPSC- P°P±Ps PîCTHPs
PSPëC... PîPsPePë C°°Ps PSPµ PîPsPIC-PrPsPjP»CЦP»Pë. PÿPµCfC,Pë
C-PrPµPSC,PëC,,C-PeP°C†C-C— C- C†CfC,P»PëPIC-CfC,CH PrPs P°PSC,PëP±C-PsC,PëPeC-PI
PSP° P±CfPrCH-CЦPePëPNë C,P°PePëPNë C-P·PsP»CЦC, PSPµPsP±C...C-PrPSPs
PîPsPIC,PsCTHPëC,Pë C-, CЦPeC°°Ps CTHPµP·CfP»CHC,P°C, P±CfPrPµ
PîC-PrC,PIPµCTHPPrP¶PµPSPs, C-P·PsP»CЦC, PSPµPsP±C...C-PrPSPs PSP°PîCTHP°PIPëC,Pë PrPs
PrPsPIC-PrPePsPIPsC— P»P°P±PsCTHP°C,PsCTHC-C—. P”PsPePë C-CfPSCrCTHC,CH PrP°PSC-,
C°°Ps C†PIC-PrC†P°C,CH PîCTHPs PeP»C-PSC-C†PSCr CTHPµP°PeC†C-CT PrP»CЦ
PîC-PrC,PIPµCTHPPrP¶PµPSPëC... C-P·PsP»CЦC,C-PI P· PµP†Pµ PIPëC°°Pµ PîPsC,PsC†PSPsC—
CTHPµP·PëCfC,PµPSC,PSPsC— PePsPSC,CTHPsP»CHPSPsC— C,PsC†PePë, PîCTHPs PSPëC...
PSPµPsP±C...C-PrPSPs PîPsPIC-PrPsPjP»CЦC,Pë.
4. PµPsPSC,CTHPsP»CHPSC- C,PsC†PePë P·P°CfC,PsCfPsPICrCTHC,CH PrP»CЦ
PsCTHP°P»CHPSPsC— PrPsP·Pë 500 PjPi C... 1 PrPs 500 PjPi C... 2 C,P°
PIPSCrC,CTHC-CëPSCHPSPIPµPSPSPsC— PrPsP·Pë 500 PjPi C... 1 PrPs 500 PjPi C... 2.

PµPsCëPëCTHPµPSC-CfC,CH CTHPµP·PëCfC,PµPSC,PSPScfC,C- PjPsP¶Pµ PIP°CTHC-CTHIP°C,Pë
PîPµPsPîCTHP°C,,C-C†PSPs C,P° P· C†P°CfPsPj PrP»CЦ PsPeCTHPµPjPëC... PIPëPrC-PI, C,PsPjCf
P»PsPeP°P»CHPSP° C-PSC,,PsCTHPjP°C†C-CЦ C°°PsPrPs CTHPµP·PëCfC,PµPSC,PSPScfC,C-
PrCfP¶Pµ PIP°P¶P»PëPIP°, PsCfPsP±P»PëPIPs PîCTHPë P»C-PeCfPIP°PSPSC- C,CЦP¶PePëC...
C-PSC,,PµPeC†C-PNë. P—P° PSPµPsP±C...C-PrPSPScfC,C- C†P»C-Pr PIPrP°C,PëCfCЦ PrPs
PµPeCfPîPµCTHC,PSPsC— PePsPSCfCfP»CHC,P°C†C-C—, PePsP»Pë P»PsPeP°P»CHPSP°
PîPsCëPëCTHPµPSC-CfC,CH CTHPµP·PëCfC,PµPSC,PSPScfC,C- C” C,P°PePsCTH, C°°Ps
PrPsC†C-P»CHPSC-CfC,CH P·P°CfC,PsCfCfPIP°PSPSCЦ P·P°CfPsP±Cf, PîCTHPëPSP°PNëPjPSC-
PIC-PrPSPScfPSPs PrPµCЦPePëC... PIPëPrC-PI C-PSC,,PµPeC†C-PNë, P·P°P»PëCëP°C”C,CHCfCЦ
PîC-Pr PîPëC,P°PSPSCЦPj.

PαP°CTHPjP°PePsPeC-PSPµC,PëPeP°.

P’CfPjPsPeC,CfPIP°PSPSCЦ. PµCTHPëPNëPSCЦC,PëPNë PîPµCTHPsCTHP°P»CHPSPs,
P»PµPIPSc,,P»PsPeCfP°C†PëPS CëPIPëPrPePs C,P° PjP°PNëP¶Pµ PîPsPIPSC-CfC,CH
PICfPjPsPeC,CfC”C,CHCfCЦ, PjP°PeCfPëPjP°P»CHPSP° PePsPSC†PµPSC,CTHP°C†C-CЦ Cf
PîP»P°P·PjC- PeCTHPsPIC- PrPsCfCЦPiP°C”C,CHCfCЦ C†PµCTHPµP· 1bT”2 PîPsPrPëPSPë
PîC-CfP»CЦ PîCTHPëPNëPsPjCf. PhP±CfPsP»CTHC,PSP° P±C-PsPrPsCfC,CfPîPSC-CfC,CH
CfC,P°PSPsPIPëC,CH 99bT”100 %. P’P¶PëPIP°PSPSCЦ C—P¶C- PrPµC°°Ps PIPîP»PëPIP°C” PSP°
PNëPsPiPs PICfPjPsPeC,CfPIP°PSPSCЦ. PÿC,P°P±C-P»CHPSC- PîPsPeP°P·PSPëPePë
PrPsCfCЦPiP°CTHC,CHCfCЦ PîCTHPsC,CЦPiPsPj 48 PîPsPrPëPS PîC-CfP»CЦ
P·P°CfC,PsCfCfPIP°PSPSCЦ 500 PjPi 1bT”2 CTHP°P·Pë PSP° PrPsP±Cf.

P PsP·PîPsPrC-P». PµCTHPëP±P»PëP·PSPs 30-40 % P»PµPIPSc,,P»PsPeCfP°C†PëPSCr
P·PIbT™ CЦP·CfC”C,CHCfCЦ P· PîCTHPsC,PµC—PSPsPj C†PëCTHPsPIP°C,PePë PeCTHPsPIC-
PÿPµCTHPµPrPSC-PNë PsP±bT™ C”Pj CTHPsP·PîPsPrC-P»Cf P»PµPIPSc,,P»PsPeCfP°C†PëPSCr
CfC,P°PSPsPIPëC,CH P±P»PëP·CHPePs 100 P» PîC-CfP»CЦ PsPrPSPsCTHP°P·PsPIPsC— C-
PîPsPIC,PsCTHPSPsC— PrPsP·Pë 500 PjPi, C°°Ps PIPEP°P·CfC” PSP° PrPsP±CTHPëPNë

C₇H₅PsP·P_iPsPrC-P» Cr C,PeP°PSPëPSP°C... PsC₇H₅PiP°PSC-P·PjCr.

P₇CrPjCrP»C₇H₅ClC-PN₂PSPëPN₂ P_μC,,P_μPeC, P»P_μPIPsC,,P»PsPeClP°C†PëPSCr P_iC₇H₅Pë
PrPsP·CrPIP°PSPSC- 500 PjPi 1 C₇H₅P°P· PSP° PrPsP±Cr PSP_μ PjP°C” PeP»C-PSC-C†PSPsPiPs
P·PSP°C†P_μPSPSC₇ C- PjPsP_μP_μ P±CrC,Pë P·PSP_μC...C,CrPIP°PSPëPN₂. P†C₇H₅PSCrC”
PSP_μP·PSP°C†PSP°, P°P»P_μ P_iP_μC₇H₅P_μPrP±P°C†CrPIP°PSP° PN₂PsPiPs PeCrPjCrP»C₇H₅ClC-C₇H₅
P_iC₇H₅Pë PrPsP·CrPIP°PSPSC- 500 PjPi 2 C₇H₅P°P·Pë PSP° PrPsP±Cr. P₇Cr,P°P±C-P»CH₅PS-
P_iPsPeP°P·PSPëPePë C₇H₅PsP·P_iPsPrC-P»Cr PrPsCl₇Cl₇PiP°C₇H₅,CH₅Cl₇Cl₇ P_iC₇H₅PsC,C₇H₅PiPsPj
3 PrC-P±.

P PsP·P_iPsPrC-P» Cr ClP»PëP·PsPIC-PN₂ P±C₇H₅PsPSC...C-PI C- ClP_μPeC₇H₅P_μC,C-
P±C₇H₅PsPSC...C-P°P»CH₅PSsPiPs P_μPiC-C,P_μP»C-C₇H₅. P₇Cr°PeClPëPjP°P»CH₅PSP°
PePsPSC†P_μPSC,C₇H₅P°C†C-C₇H₅ P»P_μPIPsC,,P»PsPeClP°C†PëPSCr Cr ClP»PëP·PsPIC-PN₂
P±C₇H₅PsPSC...C-PI C,P° ClP_μPeC₇H₅P_μC,C- P±C₇H₅PsPSC...C-P°P»CH₅PSsPiPs P_μPiC-C,P_μP»C-C₇H₅
P_iC₇H₅Pë PrPsP·C- PIPëC%P_μ 500 PjPi per os Cl₇C,P°PSPsPIPëC,CH₅ 8,3 C,P° 10,8 PjPePi/PjP»
PIC-PrP_iPsPIC-PrPSPs.

P PsP·P_iPsPrC-P» Cr C,PeP°PSPëPSC- P»P_μPiP_μPSC-PI. P₇Cr°PeClPëPjP°P»CH₅PSP°
PePsPSC†P_μPSC,C₇H₅P°C†C-C₇H₅ P»P_μPIPsC,,P»PsPeClP°C†PëPSCr Cr C,PeP°PSPëPSC-
P»P_μPiP_μPSC-PI P_iC₇H₅Pë PrPsP·C- P_iPsPSP°Pr 500 PjPi per os Cl₇C,P°PSPsPIPëC,CH₅
P_iC₇H₅PëP±P»PëP·PSPs 11,3 PjPePi/PjP» C,P° PrPsCl₇Cl₇PiP°C”C,CH₅Cl₇Cl₇ P_iC₇H₅PsC,C₇H₅PiPsPj
4-6 PiPsPrPëPS P_iC-ClP»C₇H₅ PIPiP_μPrP_μPSPSC₇. P₇Cr°PeClPëPjP°P»CH₅PS-
P»P_μPiP_μPSC₇ClC... P_iP_μC₇H₅PiP_iPëC%CrC” C,P°PeCr Cr P_iP»P°P·PjC- PeC₇H₅PsPIC-.

P PsP·P_iPsPrC-P» Cr C₇H₅C-PrPëPSC- P_iCrC...PëC₇H₅C-PI. P₇Cr°PeClPëPjP°P»CH₅PSP°
PePsPSC†P_μPSC,C₇H₅P°C†C-C₇H₅ P»P_μPIPsC,,P»PsPeClP°C†PëPSCr PI C₇H₅C-PrPëPSC-
P_iCrC...PëC₇H₅C-PI P_iC-ClP»C₇H₅ P_iC₇H₅PëPN₂PsPjCr 500 PjPi 1 C,P° 2 C₇H₅P°P·Pë PSP° PrPsP±Cr
Cl₇C,P°PSPsPIPëC,CH₅ 4,0 C,P° 6,7 PjPePi/PjP»B PIC-PrP_iPsPIC-PrPSPs.

P PsP·P_iPsPrC-P» Cr ClP_iPëPSPSPsPjPsP·PePsPIC-PN₂ C₇H₅C-PrPëPSC-.
P»P_μPIPsC,,P»PsPeClP°C†PëPS P_iPsPiP°PSPs P_iC₇H₅PsPSPëPeP°C” Cr ClP_iPëPSPSPsPjPsP·PePsPICr
C₇H₅C-PrPëPSCr.

P PsP·P_iPsPrC-P» Cr C,PeP°PSPëPSPë P_iC₇H₅PsCl₇C,P°C,Pë. P_μC-ClP»C₇H₅
P_iP_μC₇H₅PsC₇H₅P°P»CH₅PSsPiPs P_iC₇H₅PëPN₂PsPjCr 500 PjPi P»P_μPIPsC,,P»PsPeClP°C†PëPSCr 1
C₇H₅P°P· PSP° PrPsP±Cr P_iC₇H₅PsC,C₇H₅PiPsPj 3 PrPSC-PI ClP_μC₇H₅P_μPrPSC-
PePsPSC†P_μPSC,C₇H₅P°C†C-C— Cr C,PeP°PSPëPSC- P_iC₇H₅PsCl₇C,P°C,Pë Cl₇C,P°PSPsPIP»C₇H₅ClC,CH₅
8,7 PjPePi/PjP», 8,2 PjPePi/PjP» C,P° 2 PjPePi/PjP» PIC-PrP_iPsPIC-PrPSPs C†P_μC₇H₅P_μP· 2
PiPsPrPëPSPë, 6 PiPsPrPëPS C,P° 24 PiPsPrPëPSPë; ClP_μC₇H₅P_μPrPSC”
ClP_iC-PIPIC-PrPSPsC€P_μPSPSC₇ PePsPSC†P_μPSC,C₇H₅P°C†C-C— Cr
P_iC₇H₅PsCl₇C,P°C,C-/P_iP»P°P·PjC- б₇” 1,84.

P₇Cr°PeClPëPjP°P»CH₅PS- P»P_μPiP_μPSC₇ClC Cr ClP_μC±C-. P₇Cr°PeClPëPjP°P»CH₅PS-
P»P_μPIPsC,,P»PsPeClP°C†PëPSCr P_iC₇H₅PsC,C₇H₅PiPsPj 8-12 PiPsPrPëPS P_iC-ClP»C₇H₅
PsPrPSPsC₇H₅P°P·PsPiPsC— PrPsP·Pë 150 PjPi, 300 PjPi P°P±Ps 500 PjPi per os
Cl₇C,P°PSPsPIPëC,CH₅ 44 PjPePi/PjP», 91 PjPePi/PjP», 200 PjPePi/PjP» PIC-PrP_iPsPIC-PrPSPs.

P₇Cr°PeClPëPjP°P»CH₅PS- P»P_μPiP_μPSC₇ClC Cr ClP_μC±C-. P₇Cr°PeClPëPjP°P»CH₅PS-
P»P_μPIPsC,,P»PsPeClP°C†PëPS PjP_μC,P°P±PsP»C-P·CrC”C,CH₅Cl₇Cl₇
PSP_μP·PSP°C†PSPsC₇ PjC-C₇H₅PsC₇, PN₂PsPiPs PjP_μC,P°P±PsP»C-C,P°PjPë C” PrPëClP₇P_μC,PëP»-
P»P_μPIPsC,,P»PsPeClP°C†PëPS C,P° P»P_μPIPsC,,P»PsPeClP°C†PëPS N-PsPeClPëPr. P_iC-
PjP_μC,P°P±PsP»C-C,Pë Cl₇C,P°PSPsPIP»C₇H₅ClC,CH₅ PjP_μPSC€P_μ 5 % PeC-P»CH₅PePsCl₇C,C-
P_iC₇H₅PiP°C₇H₅P°C,Cr, C%Ps PIPëPrC-P»C₇H₅ClC”C,CH₅Cl₇Cl₇ C-P· ClP_μC†P_μC₇H₅.

P'PëPIPIPIPrPµPSPSCII. PµC-Cl'P»CII PsCtjP°P»CHbPSPsPiPs PIPIPIPIPrPµPSPSCII
P»PµPIPsC,,P»PsPeCl'P°C†PëPS PIPëPIPsPrPëC,CHbCl'ClI P· PïP»P°P·PjPë PrCrP¶Pµ
PïPsPIC-P»CHbPSPs (PïPµCtjC-PsPr PSP°PïC-PIPIPIPIPrPµPSPSCII Cl'C,P°PSPsPIPëC,CHb 6-8
PiPsPrPëPS). P'PëPIPIPIPrPµPSPSCII P·PrC-PNëCl'PSCtjC" C,CHbCl'ClI PI PsCl'PSPsPIPSsPjCr
PSPëCtjPeP°PjPë (PïPsPSP°Pr 85 % PIPIPIPIPrPµPSPsC— PrPsP·Pë). PkPµPjP°C" Cl'CrC,C,C"PIPsC—
CtjC-P·PSPëC†C- C°PsPrPs C,,P°CtjPjP°PePsPeC-PSPµC,PëPePë
P»PµPIPsC,,P»PsPeCl'P°C†PëPSCr PïC-Cl'P»CII PIPSCrC,CtjC-CëPSCbPsPIPIPIPSsPiPs C,P°
PïPµCtjPsCtjP°P»CHbPSPsPiPs P·P°Cl'C,PsCl'CrPIP°PSPSCII.

P»PµPIPsC,,P»PsPeCl'P°C†PëPS PïC-PrP»CIIPIP°C" P»C-PSC-PNëPSC-PNë
C,,P°CtjPjP°PePsPeC-PSPµC,PëC†C- PI PrC-P°PïP°P·PsPSC- PIC-Pr 50 PrPs 600 PjPi.

PµP»C-PSC-C†PSC- C...P°CtjP°PeC,PµCtjPëCl'C,PëPePë.

PµPsPeP°P·P°PSPSCII.

PαP»PsPeCl'C-CrPj° PïPsPeP°P·P°PSPs PrP»CII P»C-PeCrPIP°PSPSCII Cr PrPsCtjPsCl'P»PëC...
C-PSC,,PµPeC†C-PNë, Cl'PïCtjPëC†PëPSPµPSPëC... C†CrC,P»PëPIPIPIPrPë PrPs
P»PµPIPsC,,P»PsPeCl'P°C†PëPSCr PjC-PeCtjPsPsCtjPiP°PSC-P·PjP°PjPë:

- PiPsCl'C,CtjPëPNë P±P°PeC,PµCtjC-P°P»CHbPSPëPNë Cl'PëPSCrCl'PëC,;
- P·P°PiPsCl'C,CtjPµPSPSCII C...CtjPsPSC-C†PSPsPiPs PsP±Cl'C,CtjCrPeC,PëPIPSsPiPs
P·P°C...PIPsCtjCtjPIP°PSPSCII P»PµPiPµPSCb, PIPIPIPI»CtjC†PSPs C-P· P±CtjPsPSC...C-C,PsPj;
- PSPµPiPsCl'PïC-C,P°P»CHbPSP° PïPSPµPIPIPIPSsPSC-CII;
- B PSPµCrCl'PeP»P°PrPSPµPSPëPNë C†PëCl'C,PëC,;
- CrCl'PeP»P°PrPSPµPSC- C-PSC,,PµPeC†C-C— CëPeC-CtjPë C- Pjб™ ClIPIPëC...
C,PeP°PSPëPS.

PJ CtjP°P·C- P»C-PeCrPIP°PSPSCII PIPëC°PµP·P°P·PSP°C†PµPSPëC... C-PSC,,PµPeC†C-PNë
PïCtjPµPïP°CtjP°C, P·P°Cl'C,PsCl'PsPICrCtjC,CHb P»PëCëPµ C,PsPrC-, PePsP»Pë
P·P°Cl'C,PsCl'CrPIP°PSPSCII C-PSCëPëC... P°PSC,PëP±P°PeC,PµCtjC-P°P»CHbPSPëC...
P·P°Cl'PsP±C-PI, ClIPIE- P·P°P·PIPëC†P°PNë PïCtjPëP·PSP°C†P°CtjC,CHb PrP»CII
PïPsC†P°C,PePsPIPsPiPs P»C-PeCrPIP°PSPSCII PrP°PSPëC... C-PSC,,PµPeC†C-PNë,
PSPµPjPsP¶P»PëPIPIPI;B B

- CrCl'PeP»P°PrPSPµPSC- C-PSC,,PµPeC†C-C— Cl'PµC†PsPIPIPIPrC-P»CHbPSPsPiPs
C,CtjP°PeC,Cr (Cr C,PsPjCr C†PëCl'P»C- PiPsCl'C,CtjPëPNë PïC-C" P»PsPSPµC,,CtjPëC,);
- C...CtjPsPSC-C†PSPëPNë P±P°PeC,PµCtjC-P°P»CHbPSPëPNë PïCtjPsCl'C,P°C,PëC,;
- P»PµPiPµPSPµPIP° C,,PsCtjPjP° Cl'PëP±C-CtjCl'CHbPePsC— PIPëCtjP°P·PePë:
PïPsCl'C,PePsPSC,P°PeC,PSP° PïCtjPsC,,C-P»P°PeC,PëPeP° C,P° P»C-PeCrPIP°PSPSCII.

PαP»PsPeCl'C-CrPj° Cr PrP°PSC-PNë P»C-PeP°CtjCl'CHbPeC-PNë C,,PsCtjPjC- (C,P°P±P»PµC,PePë)
PjPsP¶PSP° P·P°Cl'C,PsCl'PsPICrPIP°C,Pë PrP»CII P·P°PIPIPIPIPIPSsPSCII PeCrCtjCl'Cr
C,PµCtjP°PïC-C— PïP°C†C-C" PSC,P°Pj, ClIPIE- PïCtjPsPrPµPjPsPSCrC,CtjCrPIP°P»Pë
PïPsP»C-PïCëPµPSPSCII Cr PïCtjPsC†PµCl'C- PïPµCtjPIPIPIPSsPiPs P»C-PeCrPIP°PSPSCII

$P\dot{Y}P^{\circ}P\pm P\rangle P_{\mu}C,PeP\ddot{e}\ C\acute{I}P\rangle C-Pr\ P\ddot{I}C\overline{H}P\ddot{e}P\mathbb{N}P_jP^{\circ}C,P\ddot{e}\ PSp_{\mu}\ P_jP_{\mu}PSC\epsilon P_{\mu}\ PSC-P\P\ C\ddagger P_{\mu}C\overline{H}P_{\mu}P\cdot\ 2$
 $PiPsPrP\ddot{e}PSP\ddot{e}\ P\ddot{I}C-C\acute{I}P\rangle C\overline{I}\ P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\overline{I}\ P\ddot{I}C\overline{H}P_{\mu}P\ddot{I}P^{\circ}C\overline{H}P^{\circ}C,C-PI,\ C\%Ps$
 $P_jC-C\acute{I}C,C\overline{I}C,CH\ PrPIPsPIP^{\circ}P\rangle P_{\mu}PSC,PSC- P^{\circ}P\pm Ps\ C,C\overline{H}P\ddot{e}PIP^{\circ}P\rangle P_{\mu}PSC,PSC- PeP^{\circ}C,C-PsPSP\ddot{e},$
 $C,P^{\circ}PeC- C\overline{I}Pe\ C\acute{I}PsP\rangle C- P\cdot P^{\circ}P\rangle C-P\cdot P^{\circ}\ P^{\circ}P\pm Ps\ P^{\circ}PSC,P^{\circ}C\ddagger P\ddot{e}PrP\ddot{e},\ C\%Ps\ P_jC-C\acute{I}C,C\overline{I}C,CH$
 $P_jP^{\circ}PiPSC-P\mathbb{N}\ P^{\circ}P\pm Ps\ P^{\circ}P\rangle C\overline{H}P_jC-PSC-P\mathbb{N}\cdot\ P_{\mathbb{L}}P^{\circ}P\rangle CHC\ddagger C-C\overline{H}\ PeP^{\circ}C\overline{H}P\pm PsPSP^{\circ}C,$
 $P_jC-PSC-P_jP^{\circ}P\rangle CHPSPs\ PIP\ddot{I}P\rangle P\ddot{e}PIP^{\circ}PI\ PSP^{\circ}\ P^{\circ}P\pm C\acute{I}PsC\overline{H}P\pm C\ddagger C-C\overline{H}$
 $P\rangle P_{\mu}PIPsC,_{\mathbb{P}}P\rangle PsPeC\acute{I}P^{\circ}C\ddagger P\ddot{e}PSC\acute{r}\ P\ddot{I}C\overline{H}P\ddot{e}\ P\ddot{I}P_{\mu}C\overline{H}PsC\overline{H}P^{\circ}P\rangle CHPSPsP_jC\acute{r}$
 $P\cdot P^{\circ}C\acute{I}C.PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC-.$

PŸCžPeCḡP°P»CHC,,P°C,

P'C-PsPrPsCÍC,CrPİPSC-CÍC,CH P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr P·PSP°C‡PSPs
P·PjPµPSC€CfC"C,CHCÍCİ PİCḡPë PsPrPSPSc‡P°CÍPSPsPjCr P·P°CÍC,PsCÍCfPIP°PSPSC-
PİCḡPµPİP°CḡP°C,Cr C-P· CÍCfPeCḡP°P»CHC,,P°C,PsPj. PİPeC%Ps PİP°C†C-C"PSC,PsPIC-
PSPµPsP±C...C-PrPSPs PsC,CḡPëPjCrPIP°C,Pë CİPe CÍCfPeCḡP°P»CHC,,P°C,, C,P°Pe C-
P»PµPIPSc,,P»PsPeCÍP°C†PëPS, PeCḡP°C%Pµ PİCḡPëPNëPjP°C,Pë CÍCfPeCḡP°P»CHC,,P°C,
C‡PµCḡPµP· 2 PİPsPrPëPSPë PİC-CÍP»Cİ PİCḡPëPNëPsPjCr C,P°P±P»PµC,PsPe
PαP»PsPeCÍC-CfPj°.

*PŸPµPsC,,C-P»C-PS, C,,PµPSP±CžC,,PµPS P°P±Ps PİPsPrC-P±PSC- PSPµCÍC,PµCḡPsC—PrPSC-
PİCḡPsC,PëP·P°PİP°P»CHPSC- PİCḡPµPİP°CḡP°C,Pë (PκPµP—Pµ)*

PκPµ P±CfP»Ps PİPëCİPIP»PµPSPs C,,P°CḡPjP°PePsPeC-PSPµC,PëC‡PSPsC—
PIP·P°C" PjPsPrC-C— P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr P· C,PµPsC,,C-P»C-PSPsPj. PµCḡPsC,Pµ
PjPsP¶P»PëPIPµ CÍCfC,C,C"PİPµ P·PSPëP¶PµPSPSCİ CÍCfPrPsPjPSPsPİPs PİPsCḡPsPİP° PİCḡPë
PsPrPSPSc‡P°CÍPSPsPjCr P·P°CÍC,PsCÍCfPIP°PSPSC- C...C-PSPsP»PsPSC-PI C-P·
C,PµPsC,,C-P»C-PSPsPj, PκPµP—Pµ C,P° C-PSC€PëPjPë P°PİPµPSC,P°PjPë, CİPeC-
P·PjPµPSC€CfCḡC,CH CÍCfPrPsPjPSPëPNë PİPsCḡC-Pİ.

B PµPsPSC†PµPSC,CḡP°C†C-Cİ P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr PİCḡPë PSP°CİPIPSPsCÍC,C-
C,,PµPSP±CfC,,PµPSCr P±CfP»P° PİCḡPëP±P»PëP·PSPs PSP° 13 % PİPëC%PsCḡ, PSC-P¶ PİCḡPë
PİCḡPëPNëPsPjC- P»PëC€Pµ P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr.

PµCḡPsP±PµPSPµC†PëPr C- C†PëPjPµC,PëPrPëPS

PµCḡPsP±PµPSPµC†PëPr C,P° C†PëPjPµC,PëPrPëPS CÍC,P°C,PëCÍC,PëC‡PSPs
PrPsCÍC,PsPIC-CḡPSPs PİPİP»PëPIP°CḡC,CH PSP° PİPëPIPµPrPµPSPSCİ
P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr.

PκPëCḡPePsPİPëPNë PeP»C-CḡPµPSCÍ P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr
P·PSPëP¶CfC"C,CHCÍCİ PİCḡPë PSP°CİPIPSPsCÍC,C- C†PëPjPµC,PëPrPëPSCr PSP° 24 %,
PİCḡPsP±PµPSPµC†PëPrCr ႁḡ" PSP° 34 %. PİPµ PİPsCİCÍPSCḡC"C,CHCÍCİ C,PëPj, C%Ps
PsP±PëPrPIP° PİCḡPµPİP°CḡP°C,Pë P·PrP°C,PSC- P±P»PsPeCfPIP°C,Pë PeP°PSP°P»CHC†PµPICr
CÍPµPeCḡPµC†C-Cḡ P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr. PhPrPSP°Pe Cr
PrPsCÍP»C-PrP¶PµPSPSC- CÍC,P°C,PëCÍC,PëC‡PSPs P·PSP°C‡CfC%C- PeC-PSPµC,PëC‡PSC-
PIC-PrPjC-PSPSPCÍC,C- PSPµ PjP°P»Pë PeP»C-PSC-C‡PSPsC— P·PSP°C‡PëPjPsCÍC,C-.

PŸP»C-Pr P· PsP±PµCḡPµP¶PSC-CÍC,Cḡ PİCḡPëP·PSP°C‡P°C,Pë P»PµPIPSc,,P»PsPeCÍP°C†PëPS
PsPrPSPSc‡P°CÍPSPs P· P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë, C%Ps
PİPİP»PëPIP°CḡC,CH PSP° PeP°PSP°P»CHC†PµPICr CÍPµPeCḡPµC†C-Cḡ, C,P°PePëPjPë CİPe
PİCḡPsP±PµPSPµC†PëPr C,P° C†PëPjPµC,PëPrPëPS, PsCÍPsP±P»PëPİPs PİP°C†C-C"PSC,P°Pj P·
PSPëCḡPePsPİPsCḡ PSPµPrPsCÍC,P°C,PSC-CÍC,Cḡ.

P†PSC€C- PİCḡPµPİP°CḡP°C,Pë

P'C-PrPsPjPs, C%Ps PSP° C,,P°CḡPjP°PePsPeC-PSPµC,PëPeCf P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr
PSPµ P±CfP»Ps CÍPİCḡPëC‡PëPSPµPSPs PSC-CİPePsPİPs PeP»C-PSC-C‡PSPs
P·PSP°C‡CfC%PsPİPs PİPİP»PëPICr PİCḡPë P·P°CÍC,PsCÍCfPIP°PSPSC-
P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr CḡP°P·PsPj C-P· PeP°CḡP±PsPSP°C,PsPj PeP°P»CHC†C-Cḡ,
PrPëPİPsPeCÍPëPSPsPj, PİP»C-P±PµPSPeP»P°PjC-PrPsPj, CḡP°PSC-C,PëPrPëPSPsPj.

P'PİP»PëPİ P»PµPIPSc,,P»PsPeCÍP°C†PëPSCr PSP° C-PSC€C- P»C-PeP°CḡCÍCHPeC-

P·P°CÍPSP±Pë

P¡PëPeP»PsCÍPíPsCḡPëPS

PḡPḡCḡC-PsPr PSP°PíC-PIPIPëPIPḡPrPḡPSPSCḡ C†PëPeP»PsCÍPíPsCḡPëPSCr
P·P±C-P»CHC€C”C,CHCÍCḡ PSP° 33 % PíCḡPë PsPrPSPsC†P°CÍPSPsPjC
P·P°CÍC,PSCÍC†PIP°PSPSC- PNḡPsPiPs P· P»PḡPIPsC,,P»PsPeCÍP°C†PëPSPsPj.

PḡPSC,P°PiPsPSC-CÍC,Pë PIC-C,P°PjC-PSCé Pḡ

PḡCḡPë PsPrPSPsC†P°CÍPSPsPjC† P·P°CÍC,PSCÍC†PIP°PSPSC- P· P°PSC,P°PiPsPSC-CÍC,P°PjPë
PIC-C,P°PjC-PSCr Pḡ (PSP°PíCḡPëPeP»P°Pr C-P· PIP°CḡC,,P°CḡPëPSPsPj)
PíPsPIC-PrPsPjP»CḡP»Pë PíCḡPs PíC-PrPIPëC%ḡPḡPSPSCḡ PjC-PḡPSP°CḡPsPrPSPsPiPs
PSPsCḡPjP°P»C-P·P°C†C-PNḡPSPsPiPs CÍPíC-PIPIC-PrPSPsC€PḡPSPSCḡ (PḡPḡPḡ) C-/P°P±Ps
PeCḡPsPIPsC,PḡC†C-, CḡPeC- PjPsPḡC†C,CH P±C†C,Pë PIPëCḡP°PḡPḡPSPëPjPë.
P—PIP°PḡP°CḡC†Pë PSP° C†Pḡ, C† PíP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPëPjC†CḡC,CH
PíP°CḡP°P»PḡP»CHPSPs P°PSC,P°PiPsPSC-CÍC,Pë PIC-C,P°PjC-PSCr Pḡ, PSPḡPsP±C...C-PrPSPs
P·PrC-PNḡCÍPSCḡPIP°C,Pë PePsPSC,CḡPsP»CH PíPsPeP°P·PSPëPeC-PI PePsP°PiC†P»CḡC†C-C—.

P>C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë, C%ḡPs PíPsPrPsPIPḡCéCḡC,CH C-PSC,PḡCḡPIP°P» QT

P>PḡPIPsC,,P»PsPeCÍP°C†PëPS, PíPsPrC-P±PSPs PrPs C-PSC€PëC...
C,,C,PSCḡC...C-PSPsP»PsPSC-PI, CÍP»C-Pr P·P°CÍC,PSCÍPsPIC†PIP°C,Pë P·
PsP±PḡCḡPḡPḡPSC-CÍC,Cḡ PíP°C†C-C”PSC,P°Pj, CḡPeC- PsC,CḡPëPjC†CḡC,CH
P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë, PIC-PrPsPjC- CÍPIPsC”Cḡ P·PrP°C,PSC-CÍC,Cḡ
PíPsPrPsPIPḡC†PIP°C,Pë C-PSC,PḡCḡPIP°P» QT (PSP°PíCḡPëPeP»P°Pr,
PíCḡPsC,PëP°CḡPëC,PjC-C†PSC- P·P°CÍPsP±Pë PeP»P°CÍC† P†Pḡ C,P° P†P†P†,
C,CḡPëC†PëPeP»C-C†PSC- P°PSC,PëPrPḡPíCḡPḡCÍP°PSC,Pë, PjP°PeCḡPsP»C-PrPë C,P°
P°PSC,PëPíCÍPëC...PsC,PëC†PSC- P·P°CÍPsP±Pë), PrPëPI. CḡPsP·PrC-P»
B«PḡCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PSCÍC†PIP°PSPSCḡB».

P†PSC€P° P·PSP°C†CéC%ḡP° C-PSC,,PsCḡPjP°C†C-Cḡ

PḡPḡ PIC-PrPjC-C†P°C”C,CHCÍCḡ PIPíP»PëPICr P»PḡPIPsC,,P»PsPeCÍP°C†PëPSCr PSP°
C,,P°CḡPjP°PePsPeC-PSPḡC,PëPeC† C,PḡPsC,,C-P»C-PSCr (CḡPePëPNḡ C” PjP°CḡPePḡCḡPSPëPj
CÍC†P±CÍC,CḡP°C,PSPj PrP»Cḡ C,,PḡCḡPjPḡPSC,C† CYP1A2), C%ḡPs CÍPIC-PrC†PëC,CH PíCḡPs
C,Pḡ, C%ḡPs P»PḡPIPsC,,P»PsPeCÍP°C†PëPS PSPḡ C” C-PSPiC-P±C-C,PSCḡPsPj CYP1A2.

P’PḡPëPIP°PSPSCḡ C—PḡC—

PḡPḡ CÍPíPsCÍC,PḡCḡC-PiP°P»PsCÍCḡ PeP»C-PSC-C†PSPs P·PSP°C†C†C%ḡPsC—
PIP·P°C”PjPsPrC-C— P· C...P°CḡC†PsPIPëPjPë PíCḡPsPrC†PeC,P°PjPë. PḡP°PePëPj C†PëPSPsPj,
C,P°P±P»PḡC,PePë PíCḡPḡPíP°CḡP°C,C† PḡP»PsPeCÍC-C†Pj^{B®} PjPsPḡPSP°
PíCḡPëPNḡPjP°C,Pë PSPḡP·P°P»PḡPḡPSPs PIC-Pr PIPḡPëPIP°PSPSCḡ C—PḡC—.

PḡCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PSCÍCéPIP°PSPSCḡ.

PḡP»C-Pr C†PSPëPeP°C,Pë P·P°CÍC,PSCÍC†PIP°PSPSCḡ P»PḡPIPsC,,P»PsPeCÍP°C†PëPSCr
PíP°C†C-C”PSC,P°Pj, CḡPeC- PI PjPëPSCrP»PsPjC† PjP°P»Pë CÍPḡCḡPNḡPsP·PSC-
PíPsP±C-C†PSC- CḡPḡP°PeC†C-C— PíCḡPë PIPëPePsCḡPëCÍC,P°PSPSC- P·P°CÍPsP±C-PI, C%ḡPs
PjC-CÍC,CḡC,CH C...C-PSPsP»PsPSPë P°P±Ps C,,C,PSCḡC...C-PSPsP»PsPSPë.

P>C-PeCfPIP°PSPSCl C†PëC... PïP°C†C-C"°PSC,C-PI C†P»C-Pr PïPsC†PëPSP°C,Pë C,C-P»CHPePë
PïC†Pë PIC-PrC†CfC,PSPsC†C,C- P°P»CHC,PµC†PSP°C,PëPIPSPëC... PIP°C†C-P°PSC,C-PI
P»C-PeCfPIP°PSPSCl C- PïC-C†P»C† C†PµC,PµP»CHPSPsC— PsC†C-PSPePë
PePsC†PëC†C,C-/C†PëP·PëPeCf.

*P†C†PëPIP°P»C-, C-PSPIP°P»C-PrPëP·C†C†C-C- C- PïPsC,PµPSC†C-PN°PSPs
PSPµPsP±PsC†PSC,PSC- C†PµC†PN°PsP·PSC- PïPsP±C-C†PSC- C†PµP°PeC†C-C—*

PJ PrCfP¶Pµ C†C-PrPeC-C†PSPëC... PIPëPïP°PrPeP°C... C† PïP°C†C-C"°PSC,C-PI, C†PeC-
PsC,C†PëPjCfPIP°P»Pë C...C-PSPsP»PsPSPë C,P° C,,C,PsC†C...C-PSPsP»PsPSPë,
PSPµP·P°P»PµP¶PSPs PIC-Pr PIC-PeC† C,P° PSP°C†PIPSPsC†C,C- C,,P°PeC,PsC†C-PI
C†PëP·PëPeC† PIPëPSPëPeP°P»Pë C,C†PëPIP°P»C- (PïC†PsC,C†PiPsPjB
PeC-P»CHPePsC... PjC-C†C†C†C-PI P°P±Ps C†PsPeC-PI), C-PSPIP°P»C-PrPëP·C†C†C-C-
C,P° PïPsC,PµPSC†C-PN°PSPs PSPµPsP±PsC†PSC,PSC- C†PµC†PN°PsP·PSC-
PïPsP±C-C†PSC- C†PµP°PeC†C-C—, C†PeC- PIPïP»PëPIP°P»Pë PSP° C†C-P·PSC-
C†PëC†C,PµPjPë PsC†PiP°PSC-P·PjC† (P·PsPeC†PµPjP° PsPïPsC†PSPs-C†C†C...PsPIC†,
PSPµC†PIPSPIC†, PïC†PëC...C-C†PSC† C,P° PsC†PiP°PSPë C†C†C,C,C†). PJ C†P°P·C-
PïPsC†PIPë PsP·PSP°Pe P°P±Ps C†PëPjPïC,PsPjC-PI P±C†PrCH-C†PePsC—
C†PµC†PN°PsP·PSPsC— PïPsP±C-C†PSPsC— C†PµP°PeC†C-C—
P·P°C†C,PsC†C†PIP°PSPSCl P»C-PeP°C†C†CHPePsPiPs P·P°C†PsP±C† C†P»C-Pr
PSPµPiP°PN°PSPs PïC†PëPïPëPSPëC,Pë C- P·PIPµC†PSC†C,PëC†C† P·P°
PePsPSC†C†P»CHC,P°C†C-C"°C† PrPs P»C-PeP°C†C†.

*P†PSPµPIC†PëP·PjP° C,P° PrPëC†PµPeC†C-C† P°PsC†C,Pë
C,P° C†PµPiC†C†PiC-C,P°C†C-C†/PSPµPrPsC†C,P°C,PSC-C†C,CH PeP»P°PïP°PSP° C†PµC†C†C†*

P·PïC-PrPµPjC-PsP»PsPiC-C†PSC- PrPsC†P»C-PrP¶PµPSPSCl
PïPsPIC-PrPsPjP»C†C†C,CH PïC†Ps PïC-PrPIPëC%PµPSPëPN° C†PëP·PëPe
P°PSPµPIC†PëP·PjPë C,P° PrPëC†PµPeC†C-C— P°PsC†C,Pë, PsC†PsP±P»PëPIPs C†
PïP°C†C-C"°PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeC†, P° C,P°PePsP¶
C†PµPiC†C†PiC-C,P°C†C-C— P°PsC†C,P°P»CHPSPsPiPs C,P° PjC-C,C†P°P»CHPSPsPiPs
PeP»P°PïP°PSC-PI PïC-C†P»C† P·P°C†C,PsC†C†PIP°PSPSCl
C,,C,PsC†C...C-PSPsP»PsPSC-PI. P'·C-PrPsPjPs PïC†Ps PIPëPïP°PrPePë
P°PSPµPIC†PëP·PjPë C,P° PrPëC†PµPeC†C-C— P°PsC†C,Pë, C-PSPsPrC-
C†C†PeP»P°PrPSPµPSC- C†PsP·C†PëPIPsPj (PIPeP»C†C†P°C†C†Pë P»PµC,P°P»CHPSC-
PIPëPïP°PrPePë), P° C,P°PePsP¶ PIPëPïP°PrPePë
C†PµPiC†C†PiC-C,P°C†C-C—/PSPµPrPsC†C,P°C,PSPsC†C,C- P±C†PrCH-C†PePsPiPs P·
PeP»P°PïP°PSC-PI C†PµC†C†C† C† PïP°C†C-C"°PSC,C-PI, C†PeC- PsC,C†PëPjCfPIP°P»Pë
C,,C,PsC†C...C-PSPsP»PsPSPë (PrPëPI. C†PsP·PrC-P» B«PµPsP±C-C†PSC- C†PµP°PeC†C-C—B»).
PhC,P¶Pµ, C,,C,PsC†C...C-PSPsP»PsPSPë C†P»C-Pr P·P°C†C,PsC†PsPIC†PIP°C,Pë P»PëC¶Pµ
PïC-C†P»C† C†PµC,PµP»CHPSPsC— PsC†C-PSPePë C†PïC-PIPIC-PrPSPsC¶PµPSPSCl
PePsC†PëC†C,CH/C†PëP·PëPe C- PïC-C†P»C† C†PsP·PiP»C†PrC† C-PSC¶PëC...
C,PµC†P°PïPµPIC,PëC†PSPëC... PIP°C†C-P°PSC,C-PI P»C-PeCfPIP°PSPSCl PïP°C†C-C"°PSC,C-PI
C-P· PïPsP·PëC,PëPIPSPëPj C†C-PjPµPN°PSPëPj P°PSP°PjPSPµP·PsPj P°PSPµPIC†PëP·PjPë
C†Pë PIC†PsPrP¶PµPSPsC† PIP°PrPsC† C†PµC†C†PµPIPëC... PeP»P°PïP°PSC-PI, P°P±Ps C†
PïP°C†C-C"°PSC,C-PI P· C-C†PSC†C†C†PëPj PrC-P°PiPSPsP·PsPj P°PSPµPIC†PëP·PjPë
C,P°/P°P±Ps PrPëC†PµPeC†C-C— P°PsC†C,Pë, P°P±Ps P·P°C...PIPSC†C†PIP°PSPSClPj
C†PµC†C†PµPIPsPiPs PeP»P°PïP°PSC†, P°P±Ps P·P° PSP°C†PIPSPsC†C,C- C-PSC¶PëC...
C,,P°PeC,PsC†C-PI C†PëP·PëPeC† P°P±Ps C†PïC†C†C†,P»PëPIPëC... C†PjPsPI,

PSP°PīCḡPēPeP»P°Pr:

B§ C,,P°PeC,PsCḡPē CḡPēP·PēPeCṛ CḡPe P°PSPμPICḡPēP·PjPē C,P° PrPēCḡPμPeC†C-C— P°PsCḡC,Pē, C,P°Pe C- CḡPμPiCṛCḡPiC-C,P°C†C-C—/PSPμPrPsCḡC,P°C,PSPsCḡC,C- CḡPμCḡC†PμPIPsPiPs PeP»P°PīP°PSP°: PīPsCḡCṛCēPμPSPSCḡ CḡPīPsP»CṛC†PSPsC— C,PeP°PSPēPSPē, C,P°PeC- CḡPe CḡPēPSPṛCḡPsPj PḥP°CḡC,,P°PSP° P°P±Ps CḡPēPSPṛCḡPsPj P·P»PμCḡCḡP° Bḡ” P”P°PSP»PsCḡP°, CḡPēPSPṛCḡPsPj PḡPμCḡPSPμCḡP°, C...PIPsCḡPsP±P° P’PμC...C†PμC,P°, PiC-PīPμCḡC,PsPSC-Cḡ, CḡPμPIPjP°C,PsC—PrPSPēPNḡ P°CḡC,CḡPēC,;

B§ C,,P°PeC,PsCḡPē CḡPēP·PēPeCṛ P°PSPμPICḡPēP·PjPē C,P° PrPēCḡPμPeC†C-C— P°PsCḡC,Pē: CḡCṛPrPēPSPSC- CḡPsP·P»P°PrPē, C,P°PeC- CḡPe P°CḡC,PμCḡC-C—C, PḡP°PeP°CḡCḡCṛ P°P±Ps PiC-PīP°PSC,PsPeP»C-C,PēPSPSPēPNḡ P°CḡC,PμCḡC-C—C,, P°C,PμCḡPsCḡPeP»PμCḡPsP·, CḡPēPSPṛCḡPsPj PēPμPiCḡPμPSP°;

B§ C,,P°PeC,PsCḡPē CḡPēP·PēPeCṛ CḡPμPiCṛCḡPiC-C,P°C†C-C—/PSPμPrPsCḡC,P°C,PSPsCḡC,C- CḡPμCḡC†PμPIPsPiPs PeP»P°PīP°PSP°: C-PSC,,PμPeC†C-PNḡPSPēPNḡ PμPSPṛPsPeP°CḡPrPēC,.

P PēP·PēPe P°PSPμPICḡPēP·PjPē C- PrPēCḡPμPeC†C-C— P°PsCḡC,Pē C,P° C—C... CḡPsP·CḡPēPI PjPsPḡPμ P±CṛC,Pē PiC-PrPIPēC%PμPSPēPNḡ Cṛ PīP°C†C-C”PSC,C-PI, CḡPeC- PsPrPSPsC†P°CḡPSPs PsC,CḡPēPjCṛCḡC,CH CḡPēCḡC,PμPjPSC- PePsCḡC,PēPePsCḡC,PμCḡPsC—PrPē.

PJ CḡP°P·C- PīPsCḡPIPē CḡP°PīC,PsPIPsPiPs P±PsP»Cḡ Cṛ PḡPēPIPsC,C-, PiCḡCṛPrCḡC... P°P±Ps CḡPīPēPSC- PīP°C†C-C”PSC,P°Pj CḡP»C-Pr PSPμPiP°PNḡPSPs P·PIPμCḡPSCṛC,PēCḡCḡ PrPs P»C-PeP°CḡCḡ Cṛ PIC-PrPrC-P»PμPSPSCḡ PSPμPIC-PrPeP»P°PrPSPsC— PrPsPīPsPjPsPiPē. PμP°C†C-C”PSC,P°Pj CḡP»C-Pr CḡPμPePsPjPμPSPṛCṛPIP°C,Pē PSPμPiP°PNḡPSPs P·PIPμCḡC,P°C,PēCḡCḡ P·P° PjPμPrPēC†PSPsCḡ PrPsPīPsPjPsPiPsCḡ Cṛ CḡP°P·C- PiPsCḡC,CḡPsC— P·P°PrPēCēPePē, PSPsPIPsPiPs PSP°PīP°PrCṛ CḡPμCḡC†PμP±PēC,C,Cḡ P°P±Ps CḡPsP·PIPēC,PeCṛ PSP°P±CḡCḡPeCṛ PḡPēPIPsC,P° C†Pē PSPēPḡPSC-C... PeC-PSC†C-PIPsPe.

PḥPμC,PēC†PēP»C-PSCḡPμP·PēCḡC,PμPSC,PSPēPNḡ S. aureus

P”P»Cḡ PjPμC,PēC†PēP»C-PSCḡPμP·PēCḡC,PμPSC,PSPsPiPs *S. aureus* (MRSA) C-CḡPSCṛC” PrCṛPḡPμ PIPēCḡPsPeP° C-PjPsPIC-CḡPSC-CḡC,CH PePsCḡPμP·PēCḡC,PμPSC,PSPsCḡC,C- PrPs C,,C,PsCḡC...C-PSPsP»PsPSC-PI, Cṛ C,PsPjCṛ C†PēCḡP»C- PrPs P»PμPIPsC,,P»PsPeCḡP°C†PēPSCṛ. PJ P·PIBḡ™ CḡP·PeCṛ P· C†PēPj P»PμPIPsC,,P»PsPeCḡP°C†PēPS PSPμ CḡPμPePsPjPμPSPṛPsPIP°PSPēPNḡ PrP»Cḡ P»C-PeCṛPIP°PSPSCḡ C-PSC,,PμPeC†C-PNḡ, PIC-PrPsPjPēPj C†Pē PīC-PrPsP·CḡCḡPIP°PSPēPj P·P±CṛPrPSPēPePsPj CḡPePēC... C” MRSA, P·P° PIPēPSCḡC,PePsPj PIPēPīP°PrPeC-PI, PePsP»Pē CḡPμP·CṛP»CHC,P°C,Pē P»P°P±PsCḡP°C,PsCḡPSPēC... C,PμCḡC,C-PI PīC-PrC,PIPμCḡPrPēP»Pē C†CṛC,P»PēPIC-CḡC,CH P·P±CṛPrPSPēPeP° PrPs P»PμPIPsC,,P»PsPeCḡP°C†PēPSCṛ.

P»PμPIPsC,,P»PsPeCḡP°C†PēPS PjPsPḡPSP° P·P°CḡC,PsCḡPsPICṛPIP°C,Pē PrP»Cḡ P»C-PeCṛPIP°PSPSCḡ PiPsCḡC,CḡPsPiPs P±P°PeC,PμCḡC-P°P»CHPSPsPiPs CḡPēPSCṛCḡPēC,Cṛ C,P° P·P°PiPsCḡC,CḡPμPSPSCḡ C...CḡPsPSC-C†PSPsPiPs P±CḡPsPSC...C-C,Cṛ, CḡPeC%Ps C†C- C-PSC,,PμPeC†C-C— P±CṛP»Pē PrC-P°PiPSPsCḡC,PsPIP°PSPs PIC-PrPīPsPIC-PrPSPēPj C†PēPSPsPj.

P PμP·PëCÍC,PμPSC,PSC-CÍC,CH PrPs C,,C,PsCȚC...C-PSPsP»PsPSC-PI Cr *E. coli*
(C±P°CÍC,C-C€PsPiPs P·P±CrPrPSPëPeP° C-PSC,,PμPeC†C-PNë CÍPμC±PsPIPëPIC-PrPSPëC...
C€P»CȚC...C-PI) PIP°CȚC-CȚC" Cr CȚC-P·PSPëC... PeCȚP°C—PSP°C.... PμCȚPë
PíCȚPëP·PSP°C±PμPSPSC- C,,C,PsCȚC...C-PSPsP»PsPSC-PI CÍP»C-Pr PICȚP°C...PsPICrPIP°C,Pë
PjC-CÍC†PμPICr PíPsC€PëCȚPμPSC-CÍC,CH CȚPμP·PëCÍC,PμPSC,PSPsCÍC,C- *E. CÍoli* PrPs
C,,C,PsCȚC...C-PSPsP»PsPSC-PI.

PJ CȚP°P·C- P»PμPiPμPSPμPIPSC— C,,PsCȚPjPë CÍPëP±C-CȚCÍCHPePsC— PIPëCȚP°P·PePë
P·P°CÍC,PsCÍCrPIP°PSPSCȚ PíCȚPμPíP°CȚP°C,Cr T'CȚC†PSC,CrC"C,CHCÍCȚ PSP°
PrP°PSPëC... CÍPíCȚPëPNëPSCȚC,P»PëPIPsCÍC,C- *in vitro Bacillus anthracis*B C,P°
PμPeCÍPíPμCȚPëPjPμPSC,P°P»CHPSPëC... PrP°PSPëC... PSP° C,PIP°CȚPëPSP°C..., P° C,P°PePsPȚ
PSP° PsP±PjPμPȚPμPSPëC... PrP°PSPëC... P·P°CÍC,PsCÍCrPIP°PSPSCȚ P»CȚPrCȚPj.
P>C-PeP°CȚC- PíPsPIPëPSPSC- PICȚP°C...PsPICrPIP°C,Pë PSP°C†C-PsPSP°P»CHPSC-
C,P°/P°P±Ps PjC-PȚPSP°CȚPsPrPSC- PrPsPeC†PjPμPSC,Pë PePsPSCÍPμPSCÍCrCÍCr C%PsPrPs
P»C-PeC†PIP°PSPSCȚ CÍPëP±C-CȚCÍCHPePsC— PIPëCȚP°P·PePë.

PȚPμPSPPrPëPSC-C, C,P° CȚPsP·CȚPëPI CÍC¿C...PsPȚPëP»CH.

PμCȚPë P»C-PeC†PIP°PSPSC- C...C-PSPsP»PsPSP°PjPë CȚC-PrPePs PjPsPȚP»PëPIPμ
PIPëPSPëPePSPμPSPSCȚ C,PμPSPPrPëPSC-C,Cr, C%Ps PjPsPȚPμ PíCȚPëP·PIPsPrPëC,Pë
PrPs CȚPsP·CȚPëPICr CÍCrC...PsPȚPëP»CH, PIPeP»CȚC±P°CȚC±Pë P°C...C-P»P»PsPIPμ
CÍCrC...PsPȚPëP»P»CȚ. PȚPμPSPPrPëPSC-C,Pë C- CȚPsP·CȚPëPIPë
CÍCrC...PsPȚPëP»CH, C-PSPsPrC- P±C-P»P°C,PμCȚP°P»CHPSC-, PjPsPȚCÍC,CH
PIPëPSPëPeP°C,Pë C±PμCȚPμP· 48 PíPsPrPëPS PíC-CÍP»CȚ PíPsC±P°C,PeC†
P»C-PeC†PIP°PSPSCȚ C...C-PSPsP»PsPSP°PjPë C,P° C,,C,PsCȚC...C-PSPsP»PsPSP°PjPë.
PμPsPIC-PrPsPjP»CȚP»PsCÍCȚ PíCȚPs PIPëPSPëPePSPμPSPSCȚ C,PμPSPPrPëPSC-C,C-PI
C- CȚPsP·CȚPëPIC-PI CÍCrC...PsPȚPëP»CH PSP°PIC-C,CH CrPíCȚPsPrPsPIPȚ
PrPμPeC-P»CHPePsC... PjC-CÍCȚC†C-PI PíC-CÍP»CȚ PíCȚPëPíPëPSPμPSPSCȚ
P»C-PeC†PIP°PSPSCȚ Cr PíP°C†C-C"PSC,C-PI, CȚPeC- PsC,CȚPëPjC†PIP°P»Pë
PrPsP±PsPIC- PrPsP·Pë 1000 PjPi P»PμPIPsC,,P»PsPeCÍP°C†PëPSCr.B P PëP·PëPe
CȚPsP·PIPëC,PeC† C,PμPSPPrPëPSC-C,Cr C,P° CȚPsP·CȚPëPICr CÍCrC...PsPȚPëP»P»CȚ
P·P±C-P»CHC€C†C"C,CHCÍCȚ Cr PíP°C†C-C"PSC,C-PI PíPsC...PëP»PsPiPs PIC-PeC†,
PíP°C†C-C"PSC,C-PI C-P· PíPsCȚC†C€PμPSPSCȚPjPë C,,CrPSPeC†C-C— PSPëCȚPsPe,
PíP°C†C-C"PSC,C-PI C-P· C,CȚP°PSCÍPíP»P°PSC,PsPIP°PSPëPjPëB PsCȚPíP°PSP°PjPë
C,P° PíP°C†C-C"PSC,C-PI, CȚPeC- P»C-PeC†PIP°P»PëCÍCȚ PsPrPSPsC±P°CÍPSPs
PePsCȚC,PëPePsCÍC,PμCȚPsC—PrP°PjPë. PȚP°PePëPj C±PëPSPsPj, CÍP»C-Pr
C†PSPëPeP°C,Pë PsPrPSPsC±P°CÍPSPsPiPs P·P°CÍC,PsCÍCrPIP°PSPSCȚ
PePsCȚC,PëPePsCÍC,PμCȚPsC—PrC-PI.

PμCȚPë PíPμCȚC€PëC... PsP·PSP°PeP°C... C,PμPSPPrPëPSC-C,Cr (PSP°PíCȚPëPeP»P°Pr,
P±PsP»CȚC±PëPNë PSP°P±CȚCȚPe, P·P°PíP°P»PμPSPSCȚ) P»C-PeC†PIP°PSPSCȚ
PíCȚPμPíP°CȚP°C,PsPj CÍP»C-Pr PíCȚPëPíPëPSPëC,Pë, P° C,P°PePsPȚ CÍP»C-Pr
CȚPsP·PíP»CȚPSCrC,Pë P°P»CHC,PμCȚPSP°C,PëPIPsPμ P»C-PeC†PIP°PSPSCȚ.
PμPsC€PePsPrPȚPμPSCr PeC-PSC†C-PIPeC† CÍP»C-Pr P»C-PeC†PIP°C,Pë PSP°P»PμPȚPSPëPj
C±PëPSPsPj (PSP°PíCȚPëPeP»P°Pr, P·P°P±PμP·PíPμC±PëPIC€Pë C-PjPjPsP±C-P»C-P·P°C†C-CȚ
CÍCrC...PsPȚPëP»P»CȚ) (PrPëPI. CȚPsP·PrC-P» B«PμCȚPsC,PëPíPsPeP°P·P°PSPSCȚB» C,P°
B«PμPsP±C-C±PSC- CȚPμP°PeC†C-C—B»). PμPsCȚC,PëPePsCÍC,PμCȚPsC—PrPë PSPμ CÍP»C-Pr
P·P°CÍC,PsCÍPsPICrPIP°C,Pë Cr CȚP°P·C- PIPëPSPëPePSPμPSPSCȚ PsP·PSP°Pe
C,PμPSPPrPëPSPsPíP°C,C-C—.

P_hC-PsPeP»PsPSCžCÍ

P_hPsPIC-PrPsPjP»CÍP»PsCÍCÍ PíC_hPs PIPëPíP°PrPePë PjC-PsPeP»PsPSCrCÍCÍ Cr
PíP°C†C-C''PSC,C-PI, CÍPeC- P·P°CÍC,PsCÍPsPICrPIP°P»Pë P»P_hPIPsC,,P»PsPeCÍP°C†PëPS
(PrPëPI. C_hPsP·PrC-P» B«P_hPsP±C-C†PSC- C_hP_hP°PeC†C-C—B»). P PëP·PëPe C_hPsP·PIPëC,PeCÍ
PjC-PsPeP»PsPSCrCÍCÍ PíC-PrPIPëC%CrC''C,C_hCÍCÍ Cr PíP°C†C-C''PSC,C-PI
P»C-C,PSC_hPsPiPs PIC-PeCÍ C,P° Cr PíP°C†C-C''PSC,C-PI P· PSPëC_hPePsPIPsC_h
PSP_hPrPsCÍC,P°C,PSC-CÍC,C_h, CÍPeC%Ps PrPsP·Cr P»P_hPIPsC,,P»PsPeCÍP°C†PëPSCr PSP_h
PIC-PrPePsC_hPëPiPsPIP°PSPs PIC-PrPíPsPIC-PrPSPs PrPs PeP»C-C_hP_hPSCÍCÍ
PeC_hP_hP°C,PëPSC-PSCr. P·P_hPIPsC,,P»PsPeCÍP°C†PëPS CÍP»C-Pr PSP_hPiP°PN_hPSPs
PIC-PrPjC-PSPëC,Pë PíC_hPë PíP_hC_h€C-PN_h PíPsCÍPIC- PjC-PsPeP»PsPSCrCÍCÍ C,P°
C_hPsP·PíPsC†P°C,Pë PIC-PrPíPsPIC-PrPSP_h P»C-PeCÍPIP°PSPSCÍ.

P_hPsC_hCžC€P_hPSPSCÍ P· P±PsPeCž PeC_hPsPIC-

P_hC-Pr C†P°CÍ P»C-PeCÍPIP°PSPSCÍ P»P_hPIPsC,,P»PsPeCÍP°C†PëPSPsPj PjPsP¶P_h
C_hPsP·PIPëPSCrC,PëCÍCÍ PSP_hPrPsCÍC,P°C,PSC-CÍC,C_h PeC-CÍC,PePsPIPsPiPs PjPsP·PeCÍ,
PIPeP»C_hC†P°C_hC†Pë P»P_hPN_hPePsPiP_hPSC-C_h, PSP_hPN_hC,C_hPsPiP_hPSC-C_h,
PíP°PSC†PëC,PsPiP_hPSC-C_h, PiP_hPjPsP»C-C,PëC†PSCr P°PSP_hPjC-C_h,
C,C_hPsPjP±PsC†PëC,PsPiP_hPSC-C_h, P°PíP»P°CÍC,PëC†PSCr P°PSP_hPjC-C_h P°P±Ps
P°PíC_hP°PSCrP»PsC†PëC,PsP· (PrPëPI. C_hPsP·PrC-P» B«P_hPsP±C-C†PSC- C_hP_hP°PeC†C-C—B»).
P_hC_hPë PíC-PrPsP·C_hC- PSP° P±CÍPrC_h-CÍPeP_h P· C†PëC... PíPsC_hCÍC€P_hPSC_h CÍP»C-Pr
PePsPSC,C_hPsP»C_hPIP°C,Pë C_hP_hP·CrP»C_hC,P°C,Pë P°PSP°P»C-P·Cr PeC_hPsPIC-. Pj C_hP°P·C-
PsC,C_hPëPjP°PSPSCÍ P°PSPsPjP°P»C_hPSPëC... C_hP_hP·CrP»C_hC,P°C,C-PI CÍP»C-Pr
C_hPsP·PiP»CÍPSCrC,Pë PíPëC,P°PSPSCÍ C%PsPrPs PíC_hPëPíPëPSP_hPSPSCÍ
P»C-PeCÍPIP°PSPSCÍ P»P_hPIPsC,,P»PsPeCÍP°C†PëPSPsPj.

P—P°C...PIPsC_hC_hPIP°PSPSCÍ, CÍPíC_hPëC†PëPSP_hPSC- Clostridium difficile

P''C-P°C_hP_hCÍ, PsCÍPsP±P»PëPIPs C,CÍP¶PeP°, PíP_hC_hCÍPëCÍC,CÍC_hC†P° C,P°/P°P±Ps
PiP_hPjPsC_hP°PiC-C†PSP°, PíC-Pr C†P°CÍ P°P±Ps PíC-CÍP»CÍ P»C-PeCÍPIP°PSPSCÍ (PrPs
PrP_hPeC-P»C_hPePsC... C,PëP¶PSC-PI PíC-CÍP»CÍ P·P°PIP_hC_h€P_hPSPSCÍ PeCÍC_hCÍCÍ
P»C-PeCÍPIP°PSPSCÍ) PíC_hP_hPíP°C_hP°C,PsPj PjPsP¶P_h P±CÍC,Pë CÍPëPjPiC,PsPjPsPj
C...PIPsC_hPsP±Pë, CÍPíC_hPëC†PëPSP_hPSPsC— *Clostridium difficile*, PSP°PN_hC,CÍP¶C†PsC_h
C,,PsC_hPjPsC_h CÍPePsC— C'' PíCÍP_hPIPrPsPjP_hPjP±C_hP°PSPsP·PSPëPN_h PePsP»C-C,, PíPeC%Ps
PIPëPSPëPeP°C'' PíC-PrPsP·C_hP° PSP° PíCÍP_hPIPrPsPjP_hPjP±C_hP°PSPsP·PSPëPN_h PePsP»C-C,,
CÍP»C-Pr PSP_hPiP°PN_hPSPs PíC_hPëPíPëPSPëC,Pë P·P°CÍC,PsCÍCÍPIP°PSPSCÍ
PíC_hP_hPíP°C_hP°C,CÍ C- CÍPePSP°PN_hC€PIPrC€P_h C_hPsP·PíPsC†P°C,Pë
PíC-PrC,C_hPëPjCÍPIP°P»C_hPSCr C,P_hC_hP°PíC-C_h, P° CÍPeC%Ps PSP_hPsP±C...C-PrPSPs B_h''
CÍPíP_hC†PëC,,C-C†PSCr C,P_hC_hP°PíC-C_h (PSP°PíC_hPëPeP»P°Pr, PíP_hC_hPsC_hP°P»C_hPSPëPN_h
PíC_hPëPN_hPsPj PIP°PSPePsPjC-C†PëPSCr).

*P—P°CÍPsP±Pë, C%Ps PíC_hPëPiPSC-C†CÍC_hC,C_h PjPsC,PsC_hPëPeCÍ PePëC€P_hC†PSPëPeCÍ,
PíC_hPsC,PëPíPsPeP°P·P°PSC- Cr C†C-PN_h PeP»C-PSC-C†PSC-PN_h CÍPëC,CÍP°C†C-C—.*

P_hP°C†C-C''PSC,Pë, CÍC...PëP»C_hPSC- PrPs CÍCžPrPsPj

P·P_hPIPsC,,P»PsPeCÍP°C†PëPS PíC_hPsC,PëPíPsPeP°P·P°PSPëPN_h PíP°C†C-C''PSC,P°Pj P·
P_hPíC-P»P_hPíCÍC-C''C_h PI P°PSP°PjPSP_hP·C-. PíPe C- C-PSC€C- C...C-PSPsP»PsPSPë,
P«P»PsPeCÍC-CÍPj^B CÍP»C-Pr P·P°CÍC,PsCÍPsPICrPIP°C,Pë P· PSP°PrP·PIPëC†P°PN_hPSPsC_h
PsP±P_hC_hP_hP¶PSC-CÍC,C_h PíP°C†C-C''PSC,P°Pj, CÍC...PëP»C_hPSPëPj PrPs CÍCÍPrPsPj,
C,P°PePëPj CÍPe PíP°C†C-C''PSC,Pë P· CrC_hP°P¶P_hPSPSCÍPjPë C†P_hPSC,C_hP°P»C_hPSPsC—

PSPμCḡPIPsPIPsC— CÍPëCÍC,PμPjPë, PíCḡPë PsPrPSPsC±P°CÍPSC-PNë C,PμCḡP°PíC-C— C,,PμPSP±CfC,,PμPSPsPj C,P° PíPsPrC-P±PSPëPjPë PrPs PSCHbPsPiPs PkPμP—Pμ P°P±Ps PíCḡPμPíP°CḡP°C,P°PjPë, C%Ps PíC-PrPIPëC%oCfCḡC,CH CÍCfPrPsPjPSCf PíPsC,PsPIPsC-CÍC,CH (P·PSPëP¶CfCḡC,CH CÍCfPrPsPjPSPëPNë PíPsCḡC-Pi), C,P°PePëPjPë C¶Pe C,PμPsC,,C-P»C-PS (PrPëPI. CḡPsP·PrC-P» B«P'P·P°C"PjPsPrC-C¶ P· C-PSCëPëPjPë P»C-PeP°CḡCfCHbPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»). PJ CḡP°P·C- PíPsC¶PIPë CÍCfPrPsPj P»C-PeCfPIP°PSPSC¶ P»PμPIPsC,,P»PsPeCÍP°C†PëPSPsPj CÍP»C-Pr PíCḡPëPíPëPSPëC,Pë.

PμP°C†C-C"PSC,Pë P· PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ PiP»CḡPePsP·Ps-6- C,,PsCÍC,,P°C,PrPμPiC-PrCḡPsPiPμPSP°P·Pë

PμP°C†C-C"PSC,Pë P· P»P°C,PμPSC,PSPëPjPë P°P±Ps PSP°C¶PIPsPëPjPë PrPμC,,PμPeC,P°PjPë P°PeC,PëPIPsPSCÍC,C- PíP»CḡPePsP·Ps-6-C,,PsCÍC,,P°C,PrPμPiC-PrCḡPsPiPμPSP°P·Pë PjPsP¶CfC,CH P±CfC,Pë CÍC...PëP»CHbPSPëPjPë PrPs PiPμPjPsP»C-C,PëC±PSPëC... CḡPμP°PeC†C-PNë PíCḡPë P»C-PeCfPIP°PSPSC- P°PSC,PëP±P°PeC,PμCḡC-P°P»CHbPSPëPjPë P·P°CÍPsP±P°PjPë PíCḡCfPíPë C...C-PSPsP»PsPSC-PI, C,PSPjCf P»PμPIPsC,,P»PsPeCÍP°C†PëPS C—Pj CÍP»C-Pr P·P°CÍC,PsCÍPsPICfPIP°C,Pë P· PsP±PμCḡPμP¶PSC-CÍC,Cḡ C,P° PjPsPSC-C,PsCḡPëC,Pë PjPsP¶P»PëPIPμ PIPëPSPëPePSPμPSPSC¶ PiPμPjPsP»C-P·Cf.

PμP°C†C-C"PSC,Pë P· PSPëCḡPePsPIPsCḡ PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ

PḡCÍPeC-P»CHbPePë P»PμPIPsC,,P»PsPeCÍP°C†PëPS PIPëPIPsPrPëC,CHCÍC¶ PíPμCḡPμPIP°P¶PSPs PSPëCḡPeP°PjPë, PíPsC,CḡC-P±PSP° PePsCḡPμPeC†C-C¶ PrPsP·Pë PrP»C¶ C...PIPsCḡPëC... C-P· PíPsCḡCfCëPμPSPSC¶PjPë C,,CfPSPeC†C-C— PSPëCḡPsPe (PSPëCḡPePsPIPsCḡ PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ), PrPëPI. CḡPsP·PrC-P» B«PŸPíPsCÍC-P± P·P°CÍC,PsCÍCfPIP°PSPSC¶ C,P° PrPsP·PëB».

P PμP°PeC†C-C— PíC-PrPIPëC%oPμPSPsC— C±CéC,P»PëPIPsCÍC,C-

P»PμPIPsC,,P»PsPeCÍP°C†PëPS PjPsP¶Pμ C±P°CÍ PIC-Pr C±P°CÍCf CÍPíCḡPëC±PëPSCḡPIP°C,Pë CÍPμCḡPNëPsP·PSC-, PíPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHbPSC- CḡPμP°PeC†C-C— PíC-PrPIPëC%oPμPSPsC— C±CfC,P»PëPIPsCÍC,C- (PSP°PíCḡPëPeP»P°Pr, P°PSPiC-PsPSPμPICḡPsC,PëC±PSPëPNë PSP°P±CḡC¶Pe P°P¶ PrPs P°PSP°C,,C-P»P°PeC,PëC±PSPsPiPs CëPsPeCf) PíC-CÍP»C¶ P·P°CÍC,PsCÍCfPIP°PSPSC¶ PíPsC±P°C,PePsPIPsC— PrPsP·Pë PíCḡPμPíP°CḡP°C,Cf (PrPëPI. CḡPsP·PrC-P» B«PμPsP±C-C±PSC- CḡPμP°PeC†C-C—B»). PJ C†CHbPsPjCf PIPëPíP°PrPeCf PíP°C†C-C"PSC,P°Pj CÍP»C-Pr PíCḡPëPíPëPSPëC,Pë P»C-PeCfPIP°PSPSC¶ PSPμPíP°PNëPSPs C- P·PIPμCḡPSCfC,PëCÍC¶ PrPs P»C-PeP°CḡC¶.

PŸC¶P¶PeC- CḡPμP°PeC†C-C— P· P±PsPeCé CëPeC-CḡPë.

PμCḡPë P·P°CÍC,PsCÍCfPIP°PSPSC- P»PμPIPsC,,P»PsPeCÍP°C†PëPSCf PíPsPIC-PrPsPjP»C¶P»PsCÍC¶ PíCḡPs C,C¶P¶PeC- CḡPμP°PeC†C-C— P· P±PsPeCf CëPeC-CḡPë, PIPeP»CḡC±P°CḡC±Pë C,PsPeCÍPëC±PSPëPNë PμPíC-PrPμCḡPjP°P»CHbPSPëPNë PSPμPeCḡPsP»C-P· (PŸP·Pk, C,P°PePsP¶ PIC-PrPsPjPëPNë C¶Pe CÍPëPSPrCḡPsPj P»P°PNëC"P»P°), CÍPëPSPrCḡPsPj PŸC,C-PIPμPSCÍP° Bḡ" P"P¶PsPSCÍPsPSP° (PŸPŸP"), C,P° PjPμPrPëPeP°PjPμPSC,PsP·PSCf CḡPμP°PeC†C-Cḡ P· PμPsP·PëPSPsC,,C-P»C-C"Cḡ C,P° CÍPëCÍC,PμPjPSPëPjPë CÍPëPjPíC,PsPjP°PjPë (DRESS), C¶PeC- PjPsP¶CfC,CH P±CfC,Pë

P»PμC,P°P»CHBPSPëPjPë. PμPμCḡPμPr PīPsC‡P°C,PePsPj P»C-PeCřPIP°PSPSCḡ
PīP°C†C-C"°PSC,C-PI CřP»C-Pr PīPsPīPμCḡPμPrPëC,Pë PīCḡPs PsP·PSP°PePë C,P°
CřPëPjPīC,PsPjPë PIPëCḡP°P¶PμPSPëC...B CëPeC-CḡPSPëC... CḡPμP°PeC†C-PNë C,P°
CḡPμC,PμP»CHBPSPs C—C... PIC-PrCřC,PμP¶CřPIP°C,Pë. PīPeC%Ps
P·Bḡ™ CḡPIP»CḡCḡC,CHCřCḡ PsP·PSP°PePë C,P° CřPëPjPīC,PsPjPë, C%Ps
CřPIC-PrC‡P°C,CH PīCḡPs C†C- CḡPμP°PeC†C-C—, CřP»C-Pr PSPμPīP°PNëPSPs
PīCḡPëPīPëPSPëC,Pë P»C-PeCřPIP°PSPSCḡ P»PμPIPsC,,P»PsPeCřP°C†PëPSPsPj C,P°
CḡPsP·PīP»CḡPSCřC,Pë P°P»CHC,PμCḡPSP°C,PëPIPsPμ P»C-PeCřPIP°PSPSCḡ.
PīPeC%Ps PīCḡPë P·P°CřC,PsCřCřPIP°PSPSC- P»PμPIPsC,,P»PsPeCřP°C†PëPSCřB Cř
PīP°C†C-C"°PSC,P° PIPëPSPëPeP»Pë C,P°PeC- CḡPμP°PeC†C-C—, CḡPe PŸPŸ", TP·Pќ
P°P±Ps DRESS, C,Ps C,P°PePsPjCř PīP°C†C-C"°PSC,Cř PSC- PI CḡPePsPjCř CḡP°P·C-
PSPμ CřP»C-PrB PīPsPIC,PsCḡPSPs PīCḡPëP·PSP°C‡P°C,Pë P»C-PeCřPIP°PSPSCḡ
P»PμPIPsC,,P»PsPeCřP°C†PëPSPsPj.

P—PjC-PSP° CḡC-PIPSCḡ PīP»CHPePsP·Pë Cž PeCḡPsPIC-

PμCḡPë P·P°CřC,PsCřCřPIP°PSPSC- C...C-PSPsP»PsPSC-PI, PsCřPsP±P»PëPIPs
PīP°C†C-C"°PSC,P°Pj, C...PIPsCḡPëPj PSP° C†CřPeCḡPsPIPëPNë PrC-P°P±PμC,, CḡPeC-
PsPrPSPsC‡P°CřPSPs PīCḡPëPNëPjP°CHC,CH PīPμCḡPsCḡP°P»CHBPSC-
PīC-PīPsPīP»C-PePμPjC-C‡PSC- P·P°CřPsP±Pë (Cř C,PsPjCř C‡PëCřP»C-
PīP»C-P±PμPSPeP»P°PjC-Pr) P°P±Ps C-PSCřCřP»C-PS, PīPsPIC-PrPsPjP»CḡP»Pë PīCḡPs
P·PjC-PSPë CḡC-PIPSCḡ PīP»CHPePsP·Pë Cř PeCḡPsPIC- (CḡPe PīC-PīPμCḡPīP»C-PePμPjC-Cḡ,
C,P°Pe C- PīC-PīPsPīP»C-PePμPjC-Cḡ). P—P°C,,C-PeCřPsPIP°PSPs PIPëPīP°PrPePë
PīC-PīPsPīP»C-PePμPjC-C‡PSPsC— PePsPjPë. Pj PīP°C†C-C"°PSC,C-PI, C...PIPsCḡPëC... PSP°
C†CřPeCḡPsPIPëPNë PrC-P°P±PμC,, PSPμPsP±C...C-PrPSPs PePsPSC,CḡPsP»CHPIP°C,Pë
CḡC-PIPμPSCḡ C†CřPeCḡCř PI PeCḡPsPIC-.

PμCḡPsC,,C-P»P°PeC,PëPeP° C,,PsC,PsCřPμPSCřPëP±C-P»C-P·P°C†C-C—

PμPsPIC-PrPsPjP»CḡP»Pë PīCḡPs PIPëPīP°PrPePëB C,,PsC,PsCřPμPSCřPëP±C-P»C-P·P°C†C-C—
PīCḡPë P·P°CřC,PsCřCřPIP°PSPSC- P»PμPIPsC,,P»PsPeCřP°C†PëPSCř. P— PjPμC,PsCḡ C—C—
CřPSPëPePSPμPSPSCḡ PīP°C†C-C"°PSC,P°Pj PSPμ CḡPμPePsPjPμPSPrCřC"°C,CHCřCḡ
PīC-PrPrP°PIP°C,PëCřCḡ PrC-C— CřPëP»CHBPSPëC... CřPsPSCḡC‡PSPëC... PīCḡPsPjPμPSC-PI
P°P±Ps CëC,CřC‡PSPsPīPs PjPα-PIPëPīCḡPsPjC-PSCḡPIP°PSPSCḡ (PSP°PīCḡPëPeP»P°Pr,
P»P°PjPīPë CëC,CřC‡PSPsPīPs PjPα-PIPëPīCḡPsPjC-PSCḡPIP°PSPSCḡ, CřPsP»CḡCḡC-PNë) PīC-Pr
C‡P°Cř PīCḡPëPNëPsPjCř P»PμPIPsC,,P»PsPeCřP°C†PëPSCř C,P° PīCḡPsC,CḡPīPsPj 48 PīPsPrPëPS
PīC-CřP»Cḡ PīCḡPëPīPëPSPμPSPSCḡ P·P°CřC,PsCřCřPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,Cř.

*PμP°C†C-C"°PSC,Pë, CḡPeC- PsC,CḡPëPjCžPIP°P»Pë P°PSC,P°PīPsPSC-CřC,Pë PIC-C,P°PjC-PSCž
Pḡ*

P'PSP°CřP»C-PrPsPe PjPsP¶P»PëPIPsPīPs P·P±C-P»CHCëPμPSPSCḡ PīPsPeP°P·PSPëPeC-PI
PePsP°PīCřP»CḡC†C-PNëPSPëC... C,PμCřC,C-PI (PīCḡPsC,CḡPsPjP±C-PSPsPIPëPNë
C‡P°Cř/PḡPќPŸ) C-/P°P±Ps PeCḡPsPIPsC,PμC‡C- Cř PīP°C†C-C"°PSC,C-PI, CḡPeC-
PīCḡPëPNëPjP°P»Pë P»PμPIPsC,,P»PsPeCřP°C†PëPS Cř PīPsC"PrPSP°PSPSC- P·
P°PSC,P°PīPsPSC-CřC,PsPj PIC-C,P°PjC-PSCř Pḡ (PSP°PīCḡPëPeP»P°Pr,B C-P·
PIP°CḡC,,P°CḡPëPSPsPj), P·P° PePsP°PīCřP»CḡC†C-PNëPSPëPjPë C,PμCřC,P°PjPë CřP»C-Pr
CřPīPsCřC,PμCḡC-PīP°C,Pë, CḡPeC%Ps C†C- P»C-PeP°CḡCřCHPeC- P·P°CřPsP±Pë
P·P°CřC,PsCřPsPICřCHC,CH PsPrPSPsC‡P°CřPSPs (PrPëPI. CḡPsP·PrC-P»
B«P'P·P°C"PjPsPrC-Cḡ P· C-PSCëPëPjPë P»C-PeP°CḡCřCHPePëPjPë P·P°CřPsP±P°PjPë C,P°
C-PSCëC- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»).

PμCΓPëC...PsC,PëC‡PSC- CḡPμP°PeC†C-C—

PμPsPIC-PrPsPjP»CḡP»Pë PiCḡPs PiCΓPëC...PsC,PëC‡PSC- CḡPμP°PeC†C-C— Cḡ
PiP°C†C-C”PSC,C-PI, CḡPeC- PiCḡPëPNëPjP°P»Pë C...C-PSPsP»PsPSPë, PiPeP»CḡC‡P°CḡC‡Pë
P»PμPIPsC,,P»PsPeCΓP°C†PëPS.

Pj PrCḡPḡPμ CḡC-PrPeC-CΓPSPëC... PIPëPiP°PrPeP°C... PIPsPSPë PiCḡPsPiCḡPμCΓCḡPjP°P»Pë
PrPs CΓCḡC—C†PëPrP°P»CHPSPëC... PrCḡPjPsPe C,P° CΓP°PjPsPrPμCΓC,CḡCḡPeC,PëPIPSsC—
PiPsPIPμPrC-PSPëPë, C-PSPsPrC- P»PëCëPμ PiC-CΓP»Cḡ PiCḡPëPNëPsPjCḡ
PsPrPSPsCḡP°P·PsPIPsC— PrPsP·Pë P»PμPIPsC,,P»PsPeCΓP°C†PëPSCḡ (PrPëPI. CḡPsP·PrC-P»
B«PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—B»). Pj CḡP°P·C-, CḡPeC%Ps Cḡ PiP°C†C-C”PSC,P°
PIPëPSPëPeP°CḡC,CH C†C- CḡPμP°PeC†C-C—, PiCḡPëPNëPsPj
P»PμPIPsC,,P»PsPeCΓP°C†PëPSCḡ CΓP»C-Pr PiCḡPëPiPëPSPëC,Pë C,P° PIPrP°C,PëCΓCḡ PrPs
PIC-PrPiPsPIC-PrPSPëC... P·P°C...PsPrC-PI.

P PμPePsPjPμPSPPrCḡC,CḡCΓCḡ P· PsP±PμCḡPμPḡPSC-CΓC,Cḡ P·P°CΓC,PsCΓPsPICḡPjP°C,Pë
P»PμPIPsC,,P»PsPeCΓP°C†PëPS PiP°C†C-C”PSC,P°Pj C-P· PiCΓPëC...PsC,PëC‡PSPëPjPë
CḡPsP·P»P°PrP°PjPë P°P±Ps PiP°C†C-C”PSC,P°Pj C-P· PiCΓPëC...C-C‡PSPëPjPë
P·P°C...PIPsCḡCḡPIP°PSPSCḡPjPë PI P°PSP°PjPSPμP·C-.

PμPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT

PŸP»C-Pr P· PsP±PμCḡPμPḡPSC-CΓC,Cḡ P·P°CΓC,PsCΓPsPICḡPjP°C,Pë P»P»PsPeCΓC-CḡPj°
PiP°C†C-C”PSC,P°Pj C-P· PIC-PrPsPjPëPjPë C,,P°PeC,PsCḡP°PjPë CḡPëP·PëPeCḡ
PiPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT, C,P°PePëPjPë CḡPe, PSP°PiCḡPëPeP»P°Pr:

- PICḡPsPrPḡPμPSPëPNë CΓPëPSPPrCḡPsPj PiPsPrPsPIPḡPμPSPSCḡ C-PSC,PμCḡPIP°P»Cḡ QT;

- CΓCḡPiCḡC,PSC” P·P°CΓC,PsCΓCḡPjP°PSPSCḡ P»C-PëP°CḡCḡCHPePëC... P·P°CΓPsP±C-PI,
PIC-PrPsPjPëC... CΓPIPsC”Cḡ P·PrP°C,PSC-CΓC,Cḡ PiPsPrPsPIPḡCḡPjP°C,Pë C-PSC,PμCḡPIP°P»
QT (PSP°PiCḡPëPeP»P°Pr, PiCḡPsC,PëP°CḡPëC,PjC-C‡PSC- P·P°CΓPsP±Pë PeP»P°CΓCḡ P†Pḡ C,P°
P†P†P†, C,CḡPëC†PëPeP»C-C‡PSC- P°PSC,PëPrPμPiCḡPμCΓP°PSC,Pë, PjP°PeCḡPsP»C-PrPë,
P°PSC,PëPiCΓPëC...PsC,PëC‡PSC- P·P°CΓPsP±Pë);

- PSPμCΓPePsCḡPëPiPsPIP°PSPëPNë PμP»PμPeC,CḡPsP»C-C,PSPëPNë PrPëCΓP±P°P»P°PSCḡ
(PSP°PiCḡPëPeP»P°Pr, PiC-PiPsPeP°P»C-C”PjC-Cḡ, PiC-PiPsPjP°PiPSC-C”PjC-Cḡ);

- C...PIPsCḡPsP±P° CΓPμCḡC†Cḡ (PSP°PiCḡPëPeP»P°Pr, CΓPμCḡC†PμPIP°
PSPμPrPsCΓC,P°C,PSC-CΓC,CH, C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP°,
P±CḡP°PrPëPeP°CḡPrC-Cḡ).

PμP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCḡ C,P° PḡC-PSPëPë PjPsP»PsPrCëPsPiPs PIC-PeCḡ
PjPsPḡCḡC,CH P±CḡC,Pë P±C-P»CHCë C‡CḡC,P»PëPIPëPjPë PrPs P»C-PëP°CḡCḡCHPePëC...
P·P°CΓPsP±C-PI, CḡPeC- PiPsPrPsPIPḡCḡCḡC,CH C-PSC,PμCḡPIP°P» QT, C,PsPjCḡ
PSPμPsP±C...C-PrPSPs PrPsC,CḡPëPjCḡPjP°C,PëCΓCḡ PsP±PμCḡPμPḡPSPsCΓC,C- PiCḡPë
P·P°CΓC,PsCΓCḡPjP°PSPSC- P»PμPIPsC,,P»PsPeCΓP°C†PëPSCḡ C,P°PePëPj PeP°C,PμPiPsCḡC-CḡPj
PiP°C†C-C”PSC,C-PI (PrPëPI. CḡPsP·PrC-P»Pë B«P’P·P°C”PjPsPrC-Cḡ C-P· C-PSCëPëPjPë
P»C-PëP°CḡCḡCHPePëPjPë P·P°CΓPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PŸPiPsCΓC-P± P·P°CΓC,PsCΓCḡPjP°PSPSCḡ C,P° PrPsP·PëB»; B«PμP°C†C-C”PSC,Pë
P»C-C,PSCHPsPiPs PIC-PeCḡB»; B B«PμPμCḡPμPrPsP·CḡPjP°PSPSCḡB», B«PμPsP±C-C‡PSC-
CḡPμP°PeC†C-C—B»).

PμPμCḡPëC,,PμCḡPëC‡PSP° PSPμPNëCḡPsPiP°C,C-Cḡ.

$P'C-PrPsPjPs$ $PiC\bar{H}Ps$ $PIPePSP\bar{P}ePSP\mu PSPSC\bar{I}$ $C\bar{I}P\mu PSC\bar{I}PsC\bar{H}PSPsC-$ $C\bar{I}P\mu PSC\bar{I}PsPjPsC,PsC\bar{H}PSPsC-$ $PiP\mu C\bar{H}P\bar{e}C,,P\mu C\bar{H}P\bar{e}C\bar{I}PSPsC-$
 $PSP\mu PN\bar{e}C\bar{H}PsPiP^{\circ}C,C-C-$, $C\%Ps$ $PiC\bar{H}P\bar{e}P\cdot PIPsPrP\bar{e}C,CH$ $PrPs$ $PiP^{\circ}C\bar{H}P\mu C\bar{I}C,P\mu P\cdot C-C-$,
 $PiC-PiP\mu C\bar{I}C,P\mu P\cdot C-C-$, $PrP\bar{e}P\cdot P\mu C\bar{I}C,P\mu P\cdot C-C-$ $P^{\circ}P\pm Ps$ $C\bar{I}P\gg P^{\circ}P\pm PePsC\bar{I}C,C-$, $C\bar{I}$
 $PiP^{\circ}C\bar{I}C-C''PSC,C-PI$, $C\bar{I}PeC-$ $PiC\bar{H}P\bar{e}PN\bar{e}PjP^{\circ}P\gg P\bar{e}C,,C,PsC\bar{H}C...C-PSPsP\gg PsPSP\bar{e}$,
 $PIPeP\gg C\bar{H}C\bar{I}P^{\circ}C\bar{H}C\bar{I}P\bar{e}P\gg P\mu PIPsC,,P\gg PsPeC\bar{I}P^{\circ}C\bar{I}P\bar{e}PS$. $P\bar{I}PeC\%Ps$ $C\bar{I}$ $PiP^{\circ}C\bar{I}C-C''PSC,P^{\circ}$
 $C\bar{I}PiPsC\bar{I}C,P\mu C\bar{H}C-PiP^{\circ}C\bar{H}C,CHC\bar{I}C\bar{I}C$ $C,P^{\circ}PeC-$ $C\bar{I}P\bar{e}PjPiC,PsPjP\bar{e}B$
 $PSP\mu PN\bar{e}C\bar{H}PsPiP^{\circ}C,C-C-$, $C\bar{I}Pe$ $P\pm C-P\gg CH$, $PiP\mu C\bar{I}C-PSPSC\bar{I}$,
 $PiPsPePsP\gg C\bar{H}PIP^{\circ}PSPSC\bar{I}$, $PsPSC-PjC-PSPSC\bar{I}$ $P^{\circ}P\pm Ps$ $C\bar{I}P\gg P^{\circ}P\pm PeC-C\bar{I}C,CH$,
 $PiC\bar{H}P\bar{e}PN\bar{e}PsPj$ $P\gg P\mu PIPsC,,P\gg PsPeC\bar{I}P^{\circ}C\bar{I}P\bar{e}PSC\bar{I}$ $C\bar{I}P\gg C-Pr$ $PiC\bar{H}P\bar{e}PiP\bar{e}PSP\bar{e}C,P\bar{e}C,P^{\circ}$
 $P\cdot PIP\mu C\bar{H}PSC\bar{I}C,P\bar{e}C\bar{I}C\bar{I}C$ $PrPs$ $P\gg C-PeP^{\circ}C\bar{H}C\bar{I}C$, $C\%PsP\pm$ $PiPsPiP\mu C\bar{H}P\mu PrP\bar{e}C,P\bar{e}$
 $PIPePSP\bar{e}PePSP\mu PSPSC\bar{I}$ $PSP\mu PsP\pm PsC\bar{H}PsC,PsPsPiPs$ $C\bar{I}C,P^{\circ}PSC\bar{I}$.

$P''P\mu PiP^{\circ}C,PsP\pm C-P\gg C-P^{\circ}C\bar{H}PSC-$ $PiPsC\bar{H}C\bar{I}C\bar{e}P\mu PSPSC\bar{I}$

$P\mu C\bar{H}P\bar{e}$ $PiC\bar{H}P\bar{e}PN\bar{e}PsPjC-$ $P\gg P\mu PIPsC,,P\gg PsPeC\bar{I}P^{\circ}C\bar{I}P\bar{e}PSC\bar{I}$ $PiPsPIC-PrPsPjP\gg C\bar{I}P\gg P\bar{e}$ $PiC\bar{H}Ps$
 $PIPePiP^{\circ}PrPeP\bar{e}$ $PSP\mu PeC\bar{H}PsC,P\bar{e}C\bar{I}PSPsPiPs$ $PiP\mu PiP^{\circ}C,P\bar{e}C,C\bar{I}$ $P^{\circ}P\bar{I}$ $PrPs$ $PiP\mu C\bar{I}C-PSPePsPIPSC-$
 $PSP\mu PrPsC\bar{I}C,P^{\circ}C,PSPsC\bar{I}C,C-$, $C\%Ps$ $C\bar{I}C,P^{\circ}PSPsPiP\bar{e}C,CH$ $P\cdot P^{\circ}PiC\bar{H}PsP\cdot C\bar{I}$ $PrP\gg C\bar{I}$
 $P\bar{I}P\bar{e}C,C,C\bar{I}$, $PiP\mu C\bar{H}P\mu PIP^{\circ}P\bar{I}PSPs$ $C\bar{I}$ $PiP^{\circ}C\bar{I}C-C''PSC,C-PI$ $P\cdot C,C\bar{I}P\bar{I}PeP\bar{e}PjP\bar{e}$
 $PsC\bar{I}PSPsPiPSP\bar{e}PjP\bar{e}$ $P\cdot P^{\circ}C...PIPSC\bar{H}PIP^{\circ}PSPSC\bar{I}PjP\bar{e}$, $PSP^{\circ}PiC\bar{H}P\bar{e}PeP\gg P^{\circ}Pr$
 $C\bar{I}P\mu PiC\bar{I}P\bar{e}C\bar{I}PsPj$ ($PrP\bar{e}PI$. $C\bar{H}PsP\cdot PrC-P\gg B\ll P\mu PsP\pm C-C\bar{I}PSC-$ $C\bar{H}P\mu P^{\circ}PeC\bar{I}C-C-B\gg$).
 $P\mu P^{\circ}C\bar{I}C-C''PSC,P^{\circ}Pj$ $C\bar{I}P\gg C-Pr$ $C\bar{H}P\mu PePsPjP\mu PSPPrC\bar{I}PIP^{\circ}C,P\bar{e}$ $PiC\bar{H}P\bar{e}PiP\bar{e}PSP\bar{e}C,P\bar{e}$
 $P\gg C-PeC\bar{I}PIP^{\circ}PSPSC\bar{I}$ C,P° $P\cdot PIP\mu C\bar{H}PSC\bar{I}C,P\bar{e}C\bar{I}C\bar{I}C$ $PrPs$ $P\gg C-PeP^{\circ}C\bar{H}C\bar{I}C$, $C\bar{I}PeC\%Ps$
 $PIPePSP\bar{e}PeP^{\circ}C\bar{H}C,CH$ $C,P^{\circ}PeC-$ $PiC\bar{H}PsC\bar{I}PIP\bar{e}$ C,P° $C\bar{I}P\bar{e}PjPiC,PsPjP\bar{e}$ $C...PIPSC\bar{H}PsP\pm P\bar{e}$
 $PiP\mu C\bar{I}C-PSPeP\bar{e}$, $C\bar{I}Pe$ $P^{\circ}PSPsC\bar{H}P\mu PeC\bar{I}C-C\bar{I}$, $P\bar{I}PsPIC,C\bar{I}PSP\bar{e}C\bar{I}C$, $C\bar{I}PsC\bar{H}PSP^{\circ}$ $C\bar{I}P\mu C\bar{I}P^{\circ}$,
 $C\bar{I}PiP\mu C\bar{H}P\pm C-P\bar{I}$ $P^{\circ}P\pm Ps$ $P\pm C-P\gg CH$ $C\bar{I}$ $PrC-P\gg C\bar{I}PSC\bar{I}C-$ $P\bar{I}P\bar{e}PIPSC,P^{\circ}$.

$P-P^{\circ}PiPsC\bar{I}C,C\bar{H}P\mu PSPSC\bar{I}$ $PjC-P^{\circ}C\bar{I}C,P\mu PSC-C-$ $PiC\bar{H}P^{\circ}PIC-C\bar{I}$

$P\alpha C,PsC\bar{H}C...C-PSPsP\gg PsPSP\bar{e}$, $PIPeP\gg C\bar{H}C\bar{I}P^{\circ}C\bar{H}C\bar{I}P\bar{e}P\gg P\mu PIPsC,,P\gg PsPeC\bar{I}P^{\circ}C\bar{I}P\bar{e}PS$,
 $P\pm P\gg PsPeC\bar{I}C\bar{H}C,CH$ $PSP\mu C\bar{H}PIPSPsPjP\bar{e}^{\text{TM}}$ $C\bar{I}P\cdot PsPIC\bar{I}$ $PiP\mu C\bar{H}P\mu PrP^{\circ}C\bar{I}C\bar{I}$ $C-PjPsP\bar{I}C\bar{I}C,CH$
 $PiC\bar{H}PsPIPSPeC\bar{I}PIP^{\circ}C,P\bar{e}$ $PjP\bar{e}^{\text{TM}}$ $C\bar{I}P\cdot PsPIC\bar{I}$ $C\bar{I}P\gg P^{\circ}P\pm PeC-C\bar{I}C,CH$ $C\bar{I}$ $PiP^{\circ}C\bar{I}C-C''PSC,C-PI$ $C-P\cdot$
 $PjC-P^{\circ}C\bar{I}C,P\mu PSC-C''C\bar{H}$ $PiC\bar{H}P^{\circ}PIC-C\bar{I}$. $P\mu C\bar{H}P\bar{e}$ $PiC\bar{H}P\bar{e}PN\bar{e}PsPjC-$
 $C,,C,PsC\bar{H}C...C-PSPsP\gg PsPSC-PI$ $C\bar{I}$ $PiC-C\bar{I}P\gg C\bar{I}C\bar{H}P\mu C''C\bar{I}C,C\bar{H}P^{\circ}C\bar{I}C-PN\bar{e}PSP\bar{e}PN\bar{e}$ $PiP\mu C\bar{H}C-PsPr$
 $PiPsPIC-PrPsPjP\gg C\bar{I}P\gg P\bar{e}$ $PiC\bar{H}Ps$ $C\bar{I}P\mu C\bar{H}PN\bar{e}PsP\cdot PSC-$ $PiPsP\pm C-C\bar{I}PSC-$ $C\bar{H}P\mu P^{\circ}PeC\bar{I}C-C-$,
 $PIPeP\gg C\bar{H}C\bar{I}P^{\circ}C\bar{H}C\bar{I}P\bar{e}P\gg P\mu C,P^{\circ}P\gg CHPSC-$ $PIPePiP^{\circ}PrPeP\bar{e}$ $C-$ $PSP\mu PsP\pm C...C-PrPSC-C\bar{I}C,CH$
 $PiC-PrC,C\bar{H}P\bar{e}PjPeP\bar{e}$ $PrP\bar{e}C...P^{\circ}PSPSC\bar{I}$, $C\bar{I}$ $PiP^{\circ}C\bar{I}C-C''PSC,C-PI$ $P\cdot PjC-P^{\circ}C\bar{I}C,P\mu PSC-C''C\bar{H}$
 $PiC\bar{H}P^{\circ}PIC-C\bar{I}$ $C-$ $P\gg P\mu PIPsC,,P\gg PsPeC\bar{I}P^{\circ}C\bar{I}P\bar{e}PS$ $PSP\mu$ $C\bar{H}P\mu PePsPjP\mu PSPPrPsPIP^{\circ}PSPs$
 $P\cdot P^{\circ}C\bar{I}C,PsC\bar{I}PsPIC\bar{I}PIP^{\circ}C,P\bar{e}$ $PiP^{\circ}C\bar{I}C-C''PSC,P^{\circ}Pj$ $C-P\cdot PjC-P^{\circ}C\bar{I}C,P\mu PSC-C''C\bar{H}$ $PiC\bar{H}P^{\circ}PIC-C\bar{I}$ PI
 $P^{\circ}PSP^{\circ}PjPSP\mu P\cdot C-$.

P $PsP\cdot P\gg P^{\circ}PrP\bar{e}$ $P\cdot PsC\bar{H}C\bar{I}$

$P,,$ $PiPsPIC-PrPsPjP\gg P\mu PSPSC\bar{I}$ (22 $PiPsPIC-PrPsPjP\gg P\mu PSPSC\bar{I}$ $C\bar{I}$ $C\bar{I}PIC-C,C-$) $PiC\bar{H}Ps$
 $C\bar{H}PsP\cdot PIP\bar{e}C,PsPe$ $PIC-PrC\bar{e}P^{\circ}C\bar{H}C\bar{I}PIP^{\circ}PSPSC\bar{I}$ $C\bar{I}C-C,PeC-PIPeP\bar{e}$ $PiC\bar{H}P\bar{e}$
 $P\cdot P^{\circ}C\bar{I}C,PsC\bar{I}C\bar{I}PIP^{\circ}PSPSC-$ $P^{\circ}PSC,P\bar{e}P\pm C-PsC,P\bar{e}PeC-PI$ $C,,C,PsC\bar{H}C...C-PSPsP\gg PsPSPsPiPs$
 $C\bar{H}C\bar{I}PrC\bar{I}$.

$P\bar{I}PeC\%Ps$ $C\bar{I}PiPsC\bar{I}C,P\mu C\bar{H}C-PiP^{\circ}C''C,CHC\bar{I}C\bar{I}$ $PiPsC\bar{H}C\bar{I}C\bar{e}P\mu PSPSC\bar{I}$ $P\cdot PsC\bar{H}C\bar{I}$ $P^{\circ}P\pm Ps$
 $C-PSC\bar{e}P\bar{e}PN\bar{e}$ $PIPiP\gg P\bar{e}PI$ PSP° $PsC\bar{I}C-$, $C\bar{I}P\gg C-Pr$ $PSP\mu PiP^{\circ}PN\bar{e}PSPs$ $P\cdot PIP\mu C\bar{H}PSC\bar{I}C,P\bar{e}C\bar{I}C\bar{I}$ $PrPs$
 $PsC,,C,P^{\circ}P\gg CHPjPsP\gg PsPiP^{\circ}$ ($PrP\bar{e}PI$. $C\bar{H}PsP\cdot PrC-P\gg P\bar{e}$ $B\ll P-PrP^{\circ}C,PSC-C\bar{I}C,CH$

PIPIP»PëPIP°C,Pë PSP° C€PIPëPrPeC-Cl'C,CH CḡPμP°PeC†C-C— PīCḡPë PePμCḡCfPIP°PSPSC-
P°PIC,PsC,CḡP°PSCfPIPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë PjPμC...P°PSC-P·PjP°PjPëB»,
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»).

PŸCžPīPμCḡC-PSC,,PμPeC†C-Cḡ

PμCḡPë P·P°Cl'C,PsCl'CfPIP°PSPSC- P»PμPIPsC,,P»PsPeCl'P°C†PëPSCf, PsCl'PsP±P»PëPIPs
PrPsPIPiPsC,CḡPëPIP°P»PsPjCf, PjPsP¶P»PëPIPëPNḡ CḡC-Cl'C, CḡPμP·PëCl'C,PμPSC,PSPëC...
PjC-PeCḡPsPsCḡPiP°PSC-P·PjC-PI. PīPeC%Ps PSP° C,P»C- C,PμCḡP°PīC-C—
CḡPsP·PIPëPIP°C"C,CHCl'Cḡ Cl'CfPīPμCḡC-PSC,,PμPeC†C-Cḡ, PSPμPsP±C...C-PrPSPs
PIP¶PëC,Pë PSP°P»PμP¶PSPëC... P·P°C...PsPrC-PI.

P'PīP»PëPI PSP° P»P°P±PsCḡP°C,PsCḡPSC- PrPsCl'P»C-PrP¶PμPSPSCḡ

Pj PīP°C†C-C"PSC,C-PI, CḡPeC- PsC,CḡPëPjCfPIP°P»Pë P»PμPIPsC,,P»PsPeCl'P°C†PëPS,
PIPëP·PSP°C†PμPSPSCḡ PsPīC-P°C,C-PI Cf Cl'PμC†C- PjPsP¶Pμ PrP°C,Pë
C...PëP±PSPsPīPsP·PëC,PëPIPSPëPNḡ CḡPμP·CfP»CHC,P°C,. PḡPsP¶Pμ PIPëPSPëPePSCfC,Pë
PSPμPsP±C...C-PrPSC-Cl'C,CH PīC-PrC,PIPμCḡPrPëC,Pë PīPsP·PëC,PëPIPSC-
CḡPμP·CfP»CHC,P°C,Pë P°PSP°P»C-P·Cf PSP° PsPīC-P°C,Pë P·P° PrPsPīPsPjPsPīPsCḡ
P±C-P»CHC€ Cl'PīPμC†PëC,,C-C†PSPëC... PjPμC,PsPrC-PI.

P»PμPIPsC,,P»PsPeCl'P°C†PëPS PīCḡPëPiPSC-C†CfC" CḡC-Cl'C, *Mycobacterium tuberculosis*,
C,PsPjCf PjPsP¶P»PëPIPëPNḡ C...PëP±PSPsPSPμPiP°C,PëPIPSPëPNḡ CḡPμP·CfP»CHC,P°C, PīCḡPë
PīCḡPsPIPμPrPμPSPSC- P±P°PeC,PμCḡC-PsP»PsPīC-C†PSPsPīPs PrPsCl'P»C-PrP¶PμPSPSCḡ Cf
PīP°C†C-C"PSC,C-PI C-P· C,CfP±PμCḡPeCfP»CHPsP·PsPj.

P"PsPīPsPjC-P¶PSC- CḡPμC†PsPIPëPSPë (P»P°PeC,PsP·P°)

PμCḡPμPīP°CḡP°C, PjC-Cl'C,PëC,CH P»P°PeC,PsP·Cf, C,PsPjCf PNḡPsPīPs PSPμ Cl'P»C-Pr
PīCḡPëP·PSP°C†P°C,Pë PīP°C†C-C"PSC,P°Pj C-P· CḡC-PrPeC-Cl'PSPëPjPë Cl'PīP°PrPePsPIPëPjPë
C,,PsCḡPjP°PjPë PSPμPīPμCḡPμPSPsCl'PëPjPsCl'C,C- PīP°P»P°PeC,PsP·Pë, PrPμC,,C-C†PëC,PsPj
P»P°PeC,P°P·Pë P°P±Ps Cl'PëPSPrCḡPsPjPsPj PiP»CHPePsP·Ps-PiP°P»P°PeC,PsP·PSPsC—
PjP°P»CHP°P±Cl'PsCḡP±C†C-C—.

*P—P°Cl'C,PsCl'CžPIP°PSPSCḡ Cž PīPμCḡC-PsPr PIP°PiC-C,PSPsCl'C,C- P°P±Ps
PiPsPrCžPIP°PSPSCḡ PiCḡCžPrPrCḡ.*

PμPμCḡC-PsPr PIP°PiC-C,PSPsCl'C,C-. P"°PSC- C%PsPrPs P·P°Cl'C,PsCl'CfPIP°PSPSCḡ
P»PμPIPsC,,P»PsPeCl'P°C†PëPSCf PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj PsP±PjPμP¶PμPSC-.

PḡPμCḡPμP· PIC-PrCl'CfC,PSC-Cl'C,CH PrPsCl'P»C-PrP¶PμPSCH P·P° CfC†P°Cl'C,CH
P»CHPrPμPNḡ C- PjPsP¶P»PëPIPμ CfC€PePsPrP¶PμPSPSCḡ C...C-PSPsP»PsPSP°PjPë
Cl'CfPiP»PsP±PsPIPsPiPs C...CḡCḡC%P° PI PsCḡPiP°PSC-P·PjC-, CḡPePëPNḡ CḡPsCl'C,Pμ,
PḡP»PsPeCl'C-CfPj° PīCḡPsC,PëPīPsPeP°P·P°PSPs PīCḡPëP·PSP°C†P°C,Pë PIP°PiC-C,PSPëPj C,P°
P¶C-PSPeP°Pj, CḡPeC- PiPsPrCfCḡC,CH PīCḡCfPrPrCḡ.

PīPeC%Ps PīC-Pr C†P°Cl' P»C-PeCfPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,PsPj PḡP»PsPeCl'C-CfPj°
CfCl'C,P°PSPsPIP»CḡC"C,CHCl'Cḡ PIP°PiC-C,PSC-Cl'C,CH, PīCḡPs C†Pμ Cl'P»C-Pr
PīPsPIC-PrPsPjPëC,Pë P»C-PeP°CḡCḡ.

PμPμCḡC-PsPr PiPsPrCfPIP°PSPSCḡ PiCḡCfPrPrCḡ. PḡP»PsPeCl'C-CfPj°

ΠΐCΉPsC,ΠēΠΐPsPeP°P·P°PSPēPNē PrPs P·P°CΓC,PsCΓCΓPIP°PSPSCΠ Π ΠΐPμCΉC-PsPr
PiPsPrCΓPIP°PSPSCΠ ΠiCΉCΓPrPrCΉ.

P†PSC,,PsCΉPjP°C†C-C— C%PsPrPs ΠIPēPrC-P»PμPSPSCΠ P»PμPIPsC,,P»PsPeCΓP°C†ΠēPSCΓ CΓ
ΠiCΉCΓPrPSPμ PjPsP»PsPePs PSPμPrPsCΓC,P°C,PSCHPs, C...PsC†P° C-PSC€C-
C,,C,PsCΉC...C-PSPsP»PsPSPē PμPeCΓPeCΉPμC,CΓCΉC,CHCΓCΠ Π ΠiCΉCΓPrPSPμ PjPsP»PsPePs.
PSPμCΉPμP· ΠIC-PrCΓCΓC,PS-CΓC,CH PrPsCΓP»C-PrP¶PμPSCH P·P° CΓC†P°CΓC,CΉ
P»CΉPrPμPNē C- PjPsP¶P»ΠēPIPμ CΓC€PePsPrP¶PμPSPSCΠ C,,C,PsCΉC...C-PSPsP»PsPSP°PjPē
CΓCΓPiP»PsP±PsPIPsPiPs C...CΉCΠC%P° Π PsCΉPiP°PSC-P·PjC-, CΠPeΠēPNē CΉPsCΓC,Pμ,
PαP»PsPeCΓC-CΓPj⁰ PSPμ PjPsP¶PSP° ΠiCΉΠēP·PSP°C†P°C,Πē P¶C-PSPeP°Pj, CΠPeC-
PiPsPrCΓCΉC,CH ΠiCΉCΓPrPrCΉ.

PαPμCΉC,ΠēP»CHPSC-CΓC,CH.

P»PμPIPsC,,P»PsPeCΓP°C†ΠēPS PSPμ ΠiCΉΠēP·PIPsPrΠēΠ PrPs CΉPsP·P»P°PrC-Π
C,,PμCΉC,ΠēP»CHPSPsCΓC,C- C,P° CΉPμΠiCΉPsPrCΓPeC,ΠēPIPSPsC— C,,CΓPSPeC†C-C— CΓ
C%CΓCΉC-Π.

*P—PrP°C,PS-CΓC,CH ΠIPiP»ΠēPIP°C,Πē PSP° C€PIPēPrPeC-CΓC,CH CΉPμP°PeC†C-C— ΠiCΉΠē
PePμCΉC¿PIP°PSPSC- P°ΠC,PsC,CΉP°PSCΓPiPsCΉC,PsPj P°P±Ps C-PSC€ΠēPjPē
PjPμC...P°PSC-P·PjP°PjPē.*

PμP°C†C-C”PSC,P°Pj, CΠPeC- PePμCΉCΓCΉC,CH C,CΉP°PSCΓPiPsCΉC,PSPēPjPē
P·P°CΓPsP±P°PjPē, ΠiCΉP°C†CΉCΉC,CH P· PjP°C€ΠēPSP°PjPē C,P° PjPμC...P°PSC-P·PjP°PjPē,
CΓP»C-Pr ΠICΉP°C...PsPICΓPIP°C,Πē PjPsP¶P»ΠēPIC- PSPμP±P°P¶P°PSC- CΉPμP°PeC†C-C— P·
P±PsPeCΓ PSPμCΉPIPsPIPsC— CΓΠēCΓC,PμPjPē (P·P°PiP°PjPsCΉPsC†PμPSPSCΠ/PIPμCΉC,ΠēPiPs,
P·P°PeP»CΠPeP»C-CΓC,CH, CΓPsPSP»ΠēPIC-CΓC,CH, CΓPiP»CΓC,P°PSC-CΓC,CH
CΓPIC-PrPsPjPsCΓC,C-, CΉPsP·P»P°PrΠē P·PsCΉCΓ C,P° CΓP»CΓC...CΓ, CΉPsP·P»P°PrΠē
ΠiCΉPsC†PμCΓC-Π CΉCΓC...CΓ).

PŸΠiPsCΓC-P± P·P°CΓC,PsCΓC¿PIP°PSPSCΠ C,P° PrPsP·Πē.

PŸP°P±P»PμC,PeΠē PαP»PsPeCΓC-CΓPj⁰ ΠiCΉΠēPNēPjP°CΉC,CH 1BΉ”2 CΉP°P·Πē PSP° PrPsP±CΓ.
P”PsP·P° P·P°P»PμP¶ΠēC,CH ΠIC-Pr C,ΠēΠiCΓ, C,CΠP¶PePsCΓC,C- C-PSC,,PμPeC†C-C— C,P°
C†CΓC,P»ΠēPIPsCΓC,C- PNēPjPsPIC-CΉPSPsPiPs P·P±CΓPrPSPēPeP°.

PαP»PsPeCΓC-CΓPj⁰ CΓ PrP°PSC-PNē P»C-PeP°CΉCΓCHPeC-PNē C,,PsCΉPjC- (C,P°P±P»PμC,PeΠē)
PjPsP¶PSP° P·P°CΓC,PsCΓPsPICΓPIP°C,Πē PrP»CΠ P·P°PIPμCΉC€PμPSPSCΠ PeCΓCΉCΓCΓ
C,PμCΉP°ΠiC-C— ΠiP°C†C-C”PSC,P°Pj, CΠPeC- ΠiCΉPsPrPμPjPsPSCΓC,CΉCΓPIP°P»Πē
ΠiPsP»C-ΠiC€PμPSPSCΠ CΓ ΠiCΉPsC†PμCΓC- ΠiPμCΉPIPēPSPSPsPiPs P»C-PeCΓPIP°PSPSCΠ
ΠiCΉPμPiP°CΉP°C,PsPj PαP»PsPeCΓC-CΓPj⁰, CΉPsP·C†ΠēPS PrP»CΠ C-PSC,,CΓP·C-PNē,
PIPēPePsCΉΠēCΓC,PsPICΓCΉC†Πē ΠiCΉΠē C†CHPsPjCΓ C,P°PeC- P¶ PrPsP·Πē.

PŸCΉΠēPIP°P»C-CΓC,CH P»C-PeCΓPIP°PSPSCΠ P·P°P»PμP¶ΠēC,CH ΠIC-Pr ΠiPμCΉPμP±C-ΠiCΓ
C...PIPsCΉPsP±Πē C- CΓC,P°PSPsPIPēC,CH PSPμ P±C-P»CHC€Pμ 14 PrPSC-Π.
P PμPePsPjPμPSPPrPsPIP°PSPs ΠiCΉPsPrPsPIP¶CΓPIP°C,Πē P·P°CΓC,PsCΓCΓPIP°PSPSCΠ
ΠiCΉPμPiP°CΉP°C,CΓ ΠiCΉΠēPSP°PNēPjPSC- ΠiCΉPsC,CΠPiPsPj 48BΉ”72 ΠiPsPrΠēPS ΠiC-CΓP»CΠ
PSPsCΉPjP°P»C-P·P°C†C-C— C,PμPjPiPμCΉP°C,CΓCΉΠē C,C-P»P° P°P±Ps

РiС-РrС, РiРµСґРrР¶РµРPSPsРiРs РjС-РeСґРsР±С-РsР»РsРiС-С±РSPёРjРё С, РµСґС, Р°РjРё Р·РSPёС%РµРPSPSCґ Р·Р±СґРrРSPёРeС-Рi.

РҫР°Р±»РµС, РeРё Р»Р»РsРeСґС-СґРj° СґР»С-Рr РeРsРiС, Р°С, Рё РSPµ СґРsР·Р¶РsРiСґСґРё, Р·Р°РiРёРiР°СґРё РrРsСґС, Р°С, РSCHРsСґ РeС-Р»СґРeС-СґС, Сґ СґС-РrРёРSPё. Р"Р»Сґ Р·СґСґСґРSPsСґС, С- РrРsР·СґРiР°РSPSCґ С, Р°Р±»РµС, РeСґ РjРsР¶РSP° СґРsР·РrС-Р»РёС, Рё РiРs СґРёСґСґС- РrР»Сґ РiРsРrС-Р»Сґ. РµСґРёРёРµРjР°С, Рё С, Р°Р±»РµС, РeРё РjРsР¶РSP° РSPµР·Р°Р»РµР¶РSPs РiС-Рr РiР¶РёРiР°РSPSCґ С-Р¶С-.

РµСґРµРiР°СґР°С, С, СґРµР±Р° Р·Р°РґС, РsСґРsРiСґРiР°С, Рё С%РsРSP°РµРjРµРSCёРµ Р·Р° 2 РiРsРrРёРSPё РrРs Р°Р±Рs РiС-СґР»Сґ Р·Р°СґС, РsСґСґРiР°РSPSCґ СґРsР»РµРµ Р·Р°Р»С-Р·Р°, СґРsР»РµРµ С±РёРSPeСґ, Р°РSC, Р°С±РёРrС-Рi, С%Рs РjС-СґС, СґС, Сґ РjР°РiРSC-Рµ Р°Р±Рs Р°Р»СґРjС-РSC-Рµ, РrРёРrР°РSPsР·РёРSCґ (Р»РёСёРµ РrР»Сґ С, РsСґРj, СґРeС- РjС-СґС, СґС, Сґ Р°Р»СґРjС-РSC-Рµ Р°Р±Рs РjР°РiРSC-Рµ Сґ Р±СґС, РµСґРSPёС... Р·Р°СґРsР±Р°С...) С, Р° СґСґРeСґР°Р»СґС, Р°С, Сґ (РrРёРi. СґРsР·РrС-Р» В«Р·Р°СґРjРsРrС-Сґ Р·С-РSCёРёРjРё Р»С-РeР°СґСґСґРeРёРjРё Р·Р°СґРsР±Р°РjРё С, Р° С-РSCёС- РiРёРrРё РiР·Р°СґРjРsРrС-С-В»).

РҫР°Р±»РёСґСґ 2

Р РµРeРsРjРµРSPrРsРiР°РSPµ РrРsР·СґРiР°РSPSCґ РrР»Сґ РrРsСґРsСґР»РёС... РiР°СґС-С"РSC, С-Рi Р· РSPsСґРjР°Р»СґРSPsСґ С, СґРSPeСґС-С"Сґ РSPёСґРsРe, С-Р· РeР»С-СґРµРSCґРsРj РeСґРµРµС, РёРSC-РSCґ РiРsРSP°Рr 50 РjР»/С...Рi

РµРeР°Р·Р°РSPSCґ	Р"РsР±РsРiР° РrРsР·Р° (Р·Р°Р»РµР¶РSPs РiС-Рr С, СґР¶РeРsСґС, С-), РjРi	Р»С-Р»РeС-СґС, Сґ РiСґРёРµРµРsРjС-Рi РSP° РrРsР±Сґ	РҫСґРёРiР°Р»СґСґСґ Р»С-СґС, Сґ Р»С-РeСґРiР°РSPSCґ (Р·Р°Р»РµР¶РSPs РiС-Рr С, СґР¶РeРsСґС, С-)
Р"РsСґС, СґРёРµРµ Р±Р°РeС, РµСґС-Р°Р»СґРSPёРµ СґРёРSPCґСґРёС,	500	1	10Бґ"14 РrРSC-Рi
Р-Р°РiРsСґС, СґРµРSPSCґ С...СґРsРSC-С±РSPsРiРs РsР±СґС, СґСґРeС, РёРiРSPsРiРs Р·Р°С...РiРsСґСґРiР°РSPSCґ Р»РµРiРµРSCґ, Рi С, РsРjСґ С±РёСґР»С- Р±СґРsРSC...С-С, Сґ	500	1	7Бґ"10 РrРSC-Рi
РµРµРiРsСґРiС-С, Р°Р»СґРSP° РiРSPµРiРjРsРSC-Сґ	500	1Бґ"2	7Бґ"14 РrРSC-Рi
Р"РsСґС, СґРёРµРµ РiС-С"Р»РSPµС, СґРёС,	500	1	7-10 РrРSC-Рi
В РjСґРeР»Р°РSPµРSC-С-РSC, РµРeСґС-С- СґРµС±РsРiРёРiС-РrРSPёС... СёР»СґС...С-Рi	500	1	7Бґ"14 РrРSC-Рi
РµРµСґСґРeР»Р°РSPµРSPёРµ С±РёСґС, РёС,	250	1	3 РrРSC-
РiСґРsРSC-С±РSPёРµ Р±Р°РeС, РµСґС-Р°Р»СґРSPёРµ РiСґРsСґС, Р°С, РёС,	500	1	28 РrРSC-Рi

PJCI'PeP»P°PrPSPµPSC- C-PSC,,PµPeC†C-C— C€PeC-CḡPë C- PjBḡ™ CIIPePëC... C,PeP°PSPëPS	500	1Бḡ"2	7Бḡ"14 PrPSC-PI
P·PµPiPµPSPµPIP° C,,PsCḡPjP° C†PëP±C-CḡC†CHPePsC— PIPëCḡP°P·PePë	500	1	8 C,PëP¶PSC-PI

PhC†PsP±P»PëPIC- PiPsPiCáP»CIIC†C-C—

PyP°P±P»PëC†CI 3

P°PsP·C†PIP°PSPSCI PrP»CI PiP°C†C-C" PSC,C-PI C-P· PiPsCḡC†C€PµPSPSCIPIjPë
C,,C†PSPeC†C-C— PSPëCḡPsPe C-P· PeP»C-CḡPµPSC†PsPj PeCḡPµP°C,PëPSC-PSC† PjPµPSC€Pµ
50 PjP»/C...PI

	P PµP¶PëPj PrPsP·C†PIP°PSPSCI (P·P°P»PµP¶PSPs PIC-Pr C,CIIP¶PePsC†C,C- C-PSC,,PµPeC†C-C— C,P° PSPsP·PsP»PsPiC-C†PSPsC— C,,PsCḡPjPë)		
	250 PjPi/24 PiPsPrPëPSPë	500 PjPi/24 PiPsPrPëPSPë	500 PjPi/12 PiPsPrPëPS
PµP»C-CḡPµPSC† PeCḡPµP°C,PëPSC-PSC†	PiPµCḡC€P° PrPsP·P° Бḡ" 250 PjPi	PiPµCḡC€P° PrPsP·P° Бḡ"Б 500 PjPi	PiPµCḡC€P° PrPsP·P° Бḡ" 500 PjPi
50Бḡ"20 PjP»/C...PI	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/24 PiPsPrPëPSPë	PSP°C†C,C†PiPSC- Бḡ" 250 PjPi/24 PiPsPrPëPSPë	PSP°C†C,C†PiPSC- Бḡ" 250 PjPi/12 PiPsPrPëPS
19Бḡ"10 PjP»/C...PI	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/48 PiPsPrPëPS	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/24 PiPsPrPëPSPë	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/12 PiPsPrPëPS
<10 PjP»/C...PI (P° C,P°PePsP¶ PiCḡPë PiPµPjPsPrC-P°P»C-P·C- C,P° P†PhPµP" ¹⁾)	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/48 PiPsPrPëPS	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/24 PiPsPrPëPSPë	PSP°C†C,C†PiPSC- Бḡ" 125 PjPi/24 PiPsPrPëPSPë

¹ PµC-C†P»CI PiPµPjPsPrC-P°P»C-P·C† P°P±Ps C...CḡPsPSC-C†PSPsPiPs
P°PjP±C†P»P°C,PsCḡPSPsPiPs PiPµCḡPëC,PsPSPµP°P»CHPSPsPiPs PrC-P°P»C-P·C† (P†PhPµP")
PrPsPrP°C,PePsPIC- PrPsP·Pë PSPµ PiPsC,CḡC-P±PSC-.

P°PsP·CáPIP°PSPSCI PrP»CI PiP°C†C-C" PSC,C-PI C-P· PiPsCḡCáC€PµPSPSCIPIjPë
C,,CáPSPeC†C-C— PiPµC†C-PSPePë. PµPsCḡPµPeC†C-CI PrPsP·Pë PSPµ PiPsC,CḡC-P±PSP°,
PsC†PeC-P»CHPePë P»PµPIPsC,,P»PsPeC†P°C†PëPS PSPµP·PSP°C†PSPsCḡ PjC-CḡPsCḡ
PjPµC,P°P±PsP»C-P·C†C" C,CHC†C CI Pi PiPµC†C-PSC†C- C,P° PIPëPIPsPrPëC,CHC†C CI
PiPµCḡPµPIP°P¶PSPs PSPëCḡPeP°PjPë.

P°PsP·CáPIP°PSPSCI PrP»CI PiP°C†C-C" PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCá. PiPeC%oPs
PSPëCḡPePsPIP° C,,C†PSPeC†C-CI PSPµ PiPsCḡC†C€PµPSP°, PSPµPjP°C"
PiPsC,CḡPµP±Pë PI PePsCḡPµPeC†C-C— PrPsP·Pë (PrPëPI. CḡPsP·PrC-P»
B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSCI B»).

$P''C-C, P\ddot{e}$. $P\alpha P \gg PsPeC\dot{I}C-CrPj^0$ $PiC\dot{H}PsC, P\ddot{e}PiPsPeP^oP \cdot P^oPSP\ddot{e}PN_{\epsilon}$ $PrP \gg C\dot{I}$
 $P \cdot P^oC\dot{I}C, PsC\dot{I}CrPIP^oPSPSC\dot{I}$ $PrC-C, C\dot{I}Pj$ C, P^o $PiC-PrP \gg C-C, PeP^oPj$ $C \ddagger P_{\mu}C\dot{H}P_{\mu}P \cdot C\dot{H}P\ddot{e}P \cdot P\ddot{e}Pe$
 $PiPsC\epsilon PePsPrP \P P_{\mu}PSPSC\dot{I}$ $C\dot{I}CrPiP \gg PsP \pm PsPIPsiPs$ $C \dots C\dot{H}C\dot{I}C\%oP^o$.

$P_{\mu}P_{\mu}C\dot{H}P_{\mu}PrPsP \cdot C\acute{z}PIP^oPSPSC\dot{I}$.

$P\ddot{Y}P\ddot{e}PjPiC, PsPjP\ddot{e}$ $PiP_{\mu}C\dot{H}P_{\mu}PrPsP \cdot CrPIP^oPSPSC\dot{I}$ $P \gg P_{\mu}PIPsC, P \gg PsPeC\dot{I}P^oC \ddagger P\ddot{e}PSCr$ $\text{в}\dot{H}$ $C \ddagger P_{\mu}$
 $PiPsC\dot{H}CrC\epsilon P_{\mu}PSPSC\dot{I}$ $P \cdot P \pm PsPeCr$ $C \ddagger P_{\mu}PSC, C\dot{H}P^oP \gg CH\dot{H}PSPsC - PSP_{\mu}C\dot{H}PIPsPIPsC -$
 $C\dot{I}P\ddot{e}C\dot{I}C, P_{\mu}PjP\ddot{e}$ ($C\dot{I}PiP \gg CrC, P^oPSC - C\dot{I}C, CH$ $C\dot{I}PIC - PrPsPjPsC\dot{I}C, C -$,
 $P \cdot P^oPiP^oPjPsC\dot{H}PsC \ddagger P_{\mu}PSPSC\dot{I}$, $PiPsC\dot{H}CrC\epsilon P_{\mu}PSPSC\dot{I}$ $C\dot{I}PIC - PrPsPjPsC\dot{I}C, C -$ C, P^o
 $C\dot{I}CrPrPsPjPSC - PSP^oPiP^oPrP\ddot{e}$, $PjC - PsPeP \gg PsPSCrC\dot{I}$); $C\dot{H}P_{\mu}P^oPeC \ddagger C - C -$ $P \cdot P \pm PsPeCr$
 $C, C\dot{H}P^oPIPSPsC - C\dot{I}P\ddot{e}C\dot{I}C, P_{\mu}PjP\ddot{e}$, $C, P^oPeC - C\dot{I}Pe$ $PSCrPrPsC, P^o$ C, P^o $P_{\mu}C\dot{H}PsP \cdot C - C\dot{I}$
 $C\dot{I}P \gg P\ddot{e}P \cdot PsPIP\ddot{e}C \dots PsP \pm PsP \gg PsPSPsPe$; $PjPsP \P P \gg P\ddot{e}PIP_{\mu}$ $PiPsPrPsPIP \P P_{\mu}PSPSC\dot{I}$
 $C - PSC, P_{\mu}C\dot{H}PIP^oP \gg Cr$ QT . $P\dot{H}PsP \P P \gg P\ddot{e}PIC - PiP^oP \gg CHC \ddagger P\ddot{e}PSP^oC \ddagger C - C -$ C, P^o $C, C\dot{H}P_{\mu}PjPsC\dot{H}$.

$P \gg C - PeC\acute{z}PIP^oPSPSC\dot{I}$: $C\dot{I}P\ddot{e}PjPiC, PsPjP^oC, P\ddot{e}C \ddagger PSP_{\mu}$. $P^oP^oC\dot{H}C, Ps$ $PiP_{\mu}C\dot{H}P_{\mu}PrP \pm P^oC \ddagger P\ddot{e}C, P\ddot{e}$
 $PjPsPSC - C, PsC\dot{H}P\ddot{e}PSPi$ $P \cdot P\dot{H}P''$, $PsC\dot{I}PeC - P \gg CH\dot{H}PeP\ddot{e}$ $PjPsP \P P \gg P\ddot{e}PIP^o$ $PiC\dot{H}PsP \gg PsPSPiP^oC \ddagger C - C\dot{I}$
 $C - PSC, P_{\mu}C\dot{H}PIP^oP \gg Cr$ QT . $P''P \gg C\dot{I}$ $P \cdot P^oC \dots P\ddot{e}C\dot{I}C, Cr$ $C\dot{I}P \gg P\ddot{e}P \cdot PsPIPSC - C\epsilon P \gg CrPSPeCr$
 $P \cdot P^oC\dot{I}C, PsC\dot{I}PsPICrCHC, CH$ $P^oPSC, P^oC \ddagger P\ddot{e}PrPSC - P \cdot P^oC\dot{I}PsP \pm P\ddot{e}$. $P''P_{\mu}PjPsPrC - P^oP \gg C - P \cdot$, Cr
 $C, PsPjCr$ $C \ddagger P\ddot{e}C\dot{I}P \gg C -$ $PiP_{\mu}C\dot{H}P\ddot{e}C, PsPSP_{\mu}P^oP \gg CH\dot{H}PSP\ddot{e}PN_{\epsilon}$ $PrC - P^oP \gg C - P \cdot P^oP \pm Ps$
 $C \dots C\dot{H}PsPSC - C \ddagger PSP\ddot{e}PN_{\epsilon}$ $P^oPjP \pm CrP \gg P^oC, PsC\dot{H}PSP\ddot{e}PN_{\epsilon}$ $PiP_{\mu}C\dot{H}P\ddot{e}C, PsPSP_{\mu}P^oP \gg CH\dot{H}PSP\ddot{e}PN_{\epsilon}$
 $PrC - P^oP \gg C - P \cdot$ ($P\dot{I}P\dot{H}P_{\mu}P''$), PSP_{μ} C'' $P_{\mu}C, P_{\mu}PeC, P\ddot{e}PIPS\ddot{e}Pj$ $PrP \gg C\dot{I}$ $PIP\ddot{e}PIP_{\mu}PrP_{\mu}PSPSC\dot{I}$
 $P \gg P_{\mu}PIPsC, P \gg PsPeC\dot{I}P^oC \ddagger P\ddot{e}PSCr$ $P \cdot PsC\dot{H}PiP^oPSC - P \cdot PjCr$. $P\acute{k}P_{\mu}PjP^oC''$ $P \P PsPrPSP\ddot{e}C \dots$
 $C\dot{I}PiP_{\mu}C \ddagger P\ddot{e}C, C - C \ddagger PSP\ddot{e}C \dots P^oPSC, P\ddot{e}PrPsC, C - PI$.

$P_{\mu}PsP \pm C - C \ddagger PSC - C\dot{H}P_{\mu}P^oPeC \ddagger C - C -$.

$P\dot{S}P^oC\dot{I}C, PsC, Cr$ $PiPsP \pm C - C \ddagger PSP\ddot{e}C \dots P_{\mu}C, P_{\mu}PeC, C - PI$ $PIP\ddot{e}P \cdot PSP^oC \ddagger P^oP \gg P\ddot{e}$ $P \cdot P^o$
 $PrPsPiPsPjPsPiPsCH$ $C, P^oPeP\ddot{e}C \dots PeC\dot{H}P\ddot{e}C, P_{\mu}C\dot{H}C - PI$: $PrCrP \P P_{\mu}$ $C \ddagger P^oC\dot{I}C, Ps$ ($\geq 1/10$),
 $C \ddagger P^oC\dot{I}C, Ps$ ($PIC - Pr \geq 1/100$ $PrPs < 1/10$), $PSP_{\mu}C \ddagger P^oC\dot{I}C, Ps$ ($PIC - Pr \geq 1/1000$ $PrPsB < 1/100$),
 $C\dot{H}C - PrPePs$ ($PIC - Pr \geq 1/10000$ $PrPs < 1/1000$), $PrCrP \P P_{\mu}$ $C\dot{H}C - PrPePs$ ($\geq 1/10000$), $C \ddagger P^oC\dot{I}C, PsC, P^o$
 $PSP_{\mu}PIC - PrPsPjP^o$ (PSP_{μ} $PjPsP \P PSP^o$ $PIP\ddot{e}P \cdot PSP^oC \ddagger P\ddot{e}C, P\ddot{e}$ $P \cdot PSP^oC\dot{I}PIPS\ddot{e}C \dots PrP^oPSP\ddot{e}C \dots$).

$P \ddagger PSC, P_{\mu}PeC \ddagger C - C -$ C, P^o $C - PSPIP^oP \cdot C - C -$:

$PSP_{\mu}C \ddagger P^oC\dot{I}C, Ps$: $PiC\dot{H}P\ddot{e}P \pm PePsPIC - C - PSC, P_{\mu}PeC \ddagger C - C -$, $PIPeP \gg CHC \ddagger P^oCHC \ddagger P\ddot{e}$ $PiC\dot{H}P\ddot{e}P \pm P\ddot{e}$
 $C\dot{H}PsPrCr$ *Candida*, $PiC\dot{H}PsP \gg C - C, P_{\mu}C\dot{H}P^oC \ddagger C - C\dot{I}$ $C - PSC\epsilon P\ddot{e}C \dots C\dot{H}P_{\mu}P \cdot P\ddot{e}C\dot{I}C, P_{\mu}PSC, PSP\ddot{e}C \dots$
 $PjC - PeC\dot{H}PsPsC\dot{H}PiP^oPSC - P \cdot PjC - PI$.

$P -$ $P \pm PsPeC\acute{z}$ $C\dot{I}P\ddot{e}C\dot{I}C, P_{\mu}PjP\ddot{e}$ $PeC\dot{H}PsPIC - C, P^o$ $P \gg C - PjC, P^oC, P\ddot{e}C \ddagger PSPsC -$
 $C\dot{I}P\ddot{e}C\dot{I}C, P_{\mu}PjP\ddot{e}$:

$PSP_{\mu}C \ddagger P^oC\dot{I}C, Ps$: $P \gg P_{\mu}PN_{\epsilon}PePsPiP_{\mu}PSC - C\dot{I}$, $P_{\mu}PsP \cdot P\ddot{e}PSPsC, C - P \gg C - C\dot{I}$;

$C\dot{H}C - PrPePs$: $C, C\dot{H}PsPjP \pm PsC \ddagger P\ddot{e}C, PsPiP_{\mu}PSC - C\dot{I}$, $PSP_{\mu}PN_{\epsilon}C, C\dot{H}PsPiP_{\mu}PSC - C\dot{I}$;

$C \ddagger P^oC\dot{I}C, PsC, P^o$ $PSP_{\mu}PIC - PrPsPjP^o$: $PSP_{\mu}PrPsC\dot{I}C, P^oC, PSC - C\dot{I}C, CH$ $PeC - C\dot{I}C, PePsPIPsPiPs$
 $PjPsP \cdot PeCr$, $PIPeP \gg CHC \ddagger P^oCHC \ddagger P\ddot{e}$ $P^oPiP \gg P^oC\dot{I}C, P\ddot{e}C \ddagger PSCr$ $P^oPSP_{\mu}PjC - CH$,
 $P^oPiC\dot{H}P^oPSCrP \gg PsC \ddagger P\ddot{e}C, PsP \cdot$, $PiP^oPSC \ddagger P\ddot{e}C, PsPiP_{\mu}PSC - CH$, $PiP_{\mu}PjPsP \gg C - C, P\ddot{e}C \ddagger PSCr$

$P^{\circ}PSP_{\mu}PjC-C\grave{H}$.

$P-P\pm PsPeC\acute{z} C-PjC\acute{z}PSPSPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e}$:

$C\grave{H}C-PrPePs$: $P^{\circ}PSPiC-PsPSP_{\mu}PIC\grave{H}PsC,P\ddot{e}C\ddagger PSP\ddot{e}PN_{\circ}PSP^{\circ}P\pm C\grave{H}C\grave{I}IPe$,
 $PiC-PiP_{\mu}C\grave{H}C\ddagger CrC,P\gg P\ddot{e}PIC-C\acute{I}C,CH$;

$C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}PSP_{\mu}PIC-PrPsPjP^{\circ}$: $P^{\circ}PSP^{\circ}C,,C-P\gg P^{\circ}PeC,P\ddot{e}C\ddagger PSP\ddot{e}PN_{\circ}C\epsilon PsPe$,
 $P^{\circ}PSP^{\circ}C,,C-P\gg P^{\circ}PeC,PsC-PrPSP\ddot{e}PN_{\circ}C\epsilon PsPe$.

$P\grave{h}PSP^{\circ}C,,C-P\gg P^{\circ}PeC,P\ddot{e}C\ddagger PSC-C,P^{\circ}P^{\circ}PSP^{\circ}C,,C-P\gg P^{\circ}PeC,PsC-PrPSC-C\grave{H}P_{\mu}P^{\circ}PeC\ddagger C-C-$
 $PjPsP\grave{I}CrC,CH C-PSPsPrC-PI\ddot{e}PSP\ddot{e}PeP^{\circ}C,P\ddot{e}PSP^{\circ}PIC-C,CH PiC-C\acute{I}P\gg C\grave{I}PiC\grave{H}P\ddot{e}PN_{\circ}PsPjCr$
 $PiP_{\mu}C\grave{H}C\epsilon PsC-PrPsP\cdot P\ddot{e}$.

$P-P\pm PsPeC\acute{z} PjP_{\mu}C,P^{\circ}P\pm PsP\gg C-P\cdot PjC\acute{z} C,P^{\circ}C...P^{\circ}C\grave{H}C\ddagger C\acute{z}PIP^{\circ}PSPSC\grave{I}$:

$PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,Ps$: $P^{\circ}PSPsC\grave{H}P_{\mu}PeC\acute{I}C-C\grave{I}$;

$C\grave{H}C-PrPePs$: $PiC-PiPsPiP\gg C-PeP_{\mu}PjC-C\grave{I}$, $PsC\acute{I}PsP\pm P\gg P\ddot{e}PIPs Cr PiP^{\circ}C\ddagger C-C''PSC,C-PI$,
 $C...PIPsC\grave{H}P\ddot{e}C...PSP^{\circ}PrC-P^{\circ}P\pm P_{\mu}C,$;

$C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}PSP_{\mu}PIC-PrPsPjP^{\circ}$: $PiC-PiP_{\mu}C\grave{H}PiP\gg C-PeP_{\mu}PjC-C\grave{I}$,
 $PiC-PiPsPiP\gg C-PeP_{\mu}PjC-C\ddagger PSP^{\circ}PePsPjP^{\circ}$.

$P\ddot{Y}P\ddot{e}PSPPrC\grave{H}PsPj PiPsC\grave{H}CrC\epsilon P_{\mu}PSPSC\grave{I} C\acute{I}P_{\mu}PeC\grave{H}P_{\mu}C\ddagger C-C-$
 $P^{\circ}PSC,P\ddot{e}PrC-C\acute{I}C\grave{H}P_{\mu}C,P\ddot{e}C\ddagger PSPsPiPs PiPsC\grave{H}PjPsPSC\acute{r} (P\ddot{Y}P_{\mu}P\ddot{Y}P\grave{h}P'', C\grave{H}C-PrPePsB$
 $P\cdot C\acute{I}C\acute{I}C,C\grave{H}C-C\ddagger P^{\circ}C''C,CHC\acute{I}C\grave{I})$

$P-P\pm PsPeC\acute{z} PiC\acute{I}P\ddot{e}C...C-PeP\ddot{e}$:

$C\ddagger P^{\circ}C\acute{I}C,Ps$: $P\pm P_{\mu}P\cdot C\acute{I}PsPSPSC\grave{I}$;

$PSP_{\mu}C\ddagger P^{\circ}C\acute{I}C,Ps$: $PSP_{\mu}C\grave{H}PIPsP\cdot PSC-C\acute{I}C,CH$; $C\acute{I}PiP\gg CrC,P^{\circ}PSC-C\acute{I}C,CH$
 $C\acute{I}PIC-PrPsPjPsC\acute{I}C,C-, C,C\grave{H}P\ddot{e}PIPsP\grave{I}PSC-C\acute{I}C,CH$;

$C\grave{H}C-PrPePs$: $PiC\acute{I}P\ddot{e}C...PsC,P\ddot{e}C\ddagger PSC-C\grave{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e} (Pi C,, C\ddagger. PiP^{\circ}P\gg C\grave{H}C\ddagger P\ddot{e}PSP^{\circ}C\ddagger C-C-$,
 $PiP^{\circ}C\grave{H}P^{\circ}PSPsPN_{\circ}C\grave{I})$, $PrP_{\mu}PiC\grave{H}P_{\mu}C\acute{I}C-C\grave{I}$, $P^{\circ}P\grave{I}P\ddot{e}C,P^{\circ}C\ddagger C-C\grave{I}$, $PSP_{\mu}P\cdot PIP\ddot{e}C\ddagger P^{\circ}PN_{\circ}PSC-$
 $C\acute{I}PSPsPIP\ddot{e}PrC-PSPSC\grave{I}$, $PSC-C\ddagger PSC-P\grave{I}P^{\circ}C...P\ddot{e}$;

$C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}PSP_{\mu}PIC-PrPsPjP^{\circ}$: $PjP^{\circ}PSC-C\grave{I}$, $PiC\acute{I}P\ddot{e}C...PsC,P\ddot{e}C\ddagger PSC-C\grave{H}P_{\mu}P^{\circ}PeC\ddagger C-C-$ $P\cdot$
 $C\acute{I}P^{\circ}PjPsPrP_{\mu}C\acute{I}C,C\grave{H}C\acute{r}PeC,P\ddot{e}PIPSPsC\grave{H} PiPsPIP_{\mu}PrC-PSPePsC\grave{H}$, $PIPeP\gg C\grave{H}C\ddagger P^{\circ}C\grave{H}C\ddagger P\ddot{e}$
 $C\acute{I}CrC-C\ddagger P\ddot{e}PrP^{\circ}P\gg CH\ddagger PSC\acute{r} C\acute{I}PiC\grave{H}C\grave{I}PjPsPIP^{\circ}PSC-C\acute{I}C,CH PjP\ddot{e}C\acute{I}P\gg P_{\mu}PSPSC\grave{I} C\ddagger P\ddot{e} PrC-PN_{\circ}$.

$P-P\pm PsPeC\acute{z} PSP_{\mu}C\grave{H}PIPsPIPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e}^{*}$:

$C\ddagger P^{\circ}C\acute{I}C,Ps$: $PiPsP\gg PsPIPS\ddot{e}PN_{\circ}P\pm C-P\gg CH$, $P\cdot P^{\circ}PiP^{\circ}PjPsC\grave{H}PsC\ddagger P_{\mu}PSPSC\grave{I}$;

$C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}PSP_{\mu}PIC-PrPsPjP^{\circ}$: $C\acute{I}PsPSP\gg P\ddot{e}PIC-C\acute{I}C,CH$, $C,C\grave{H}P_{\mu}PjPsC\grave{H}$,
 $PrP\ddot{e}C\acute{I}PiP_{\mu}PIP\cdot C-C\grave{I} (C\acute{I}CrP\pm \mathbb{B}\grave{H}^{\text{TM}}C''PeC,P\ddot{e}PIPS\ddot{e}PN_{\circ}C\grave{H}PsP\cdot P\gg P^{\circ}Pr C\acute{I}PjP^{\circ}PeC\acute{r})$;

$C\grave{H}C-PrPePs$: $PePsPSPIC\acute{r}P\gg CHC\acute{I}C-C-$, $PiP^{\circ}C\grave{H}P_{\mu}C\acute{I}C,P_{\mu}P\cdot C-C-$;

$C\ddagger P^{\circ}C\acute{I}C,PsC,P^{\circ}PSP_{\mu}PIC-PrPsPjP^{\circ}$: $PjC-PsPeP\gg PsPSC\acute{r}C\acute{I}$, $C\acute{I}P_{\mu}PSC\acute{I}PsC\grave{H}PSP^{\circ}P^{\circ}P\pm Ps$

СГРµPSCГРPsPjPsC,PsCГPSP° PïPµCГPëC,,PµCГPëC±PSP° PSPµPNëCГPsPïP°C,C-CГ, PïP°CГPsCГPjC-CГ (PïPsCГCрCëPµPSPSCГ PSCГC...Cр), PIPeP»CГC±P°CГC±Pë P°PSPsCГPjC-CГ (PIC-PrCГCрC,PSC-CГC,Ч PSCГC...Cр), PrPëCГPeC-PSPµP·C-CГ, PµPeCГC,CГP°PïC-CГP°PjC-PrPSC- CГPsP·P»P°PrPë, P°PïPµPIP·C-CГ (PIC,CГP°C,P° CГPjP°PeCр), CГPëPSPePsPïPµ, PrPsP±CГPsCГPeC-CГPSP° PIPSCрC,CГC-CëPSCГPsC±PµCГPµPïPSP° PiC-PïPµCГC,PµPSP·C-CГ.

P— P±PsPeCé PsCГPiP°PSC-PI P·PsCГCé:*

CГC-PrPePs: P·PsCГPsPIC- PïPsCГCрCëPµPSPSCГ, C,P°PeC- CГPe P·P°C,CрPjP°PSPµPSPSCГ P·PsCГCр, PSPµC±C-C,PeC-CГC,Ч P·PsCГCр;

C±P°CГC,PsC,P° PSPµPIC-PrPsPjP°: C,PëPjC±P°CГPsPIP° PIC,CГP°C,P° P·PsCГCр.

P'CрP»Pë PïPsPIC-PrPsPjP»PµPSPSCГ PïCГPs PIPëPïP°PrPePë PIC-PrCëP°CГCрPIP°PSPSCГ CГC-C,PeC-PIPePë (PrPëPI. CГPsP·PrC-P» B«PхCГPsP±P»PëPIPsCГC,C- P·P°CГC,PsCГCрPIP°PSPSCГB»).

P— P±PsPeCé PsCГPiP°PSC-PI CГP»CéC...Cé C,P° PICéCëPSPsPiPs P»P°P±C-CГPëPSC,Cé:*

PSPµC±P°CГC,Ps: PIPµCГC,PëPiPs;

CГC-PrPePs: PïPsCГCрCëPµPSPSCГ CГP»CрC...Cр;

C±P°CГC,PsC,P° PSPµPIC-PrPsPjP°: PrP·PIC-PS Cр PICрC...P°C..., PIC,CГP°C,P° CГP»CрC...Cр.

*P— P±PsPeCé CГPµCГCГCГ **:*

CГC-PrPePs: C,P°C...C-PeP°CГPrC-CГ, PIC-PrC±CрC,C,CГ CГPµCГCГPµP±PëC,C,CГ;

C±P°CГC,PsC,P° PSPµPIC-PrPsPjP°: CëP»CрPSPsC±PePsPIP° C,P°C...C-PeP°CГPrC-CГ, C%Ps PjPsP¶Pµ PïCГPëP·PIPµCГC,Pë PrPs P·CрPïPëPSPePë CГPµCГCГCГ, CëP»CрPSPsC±PePsPIP° C,P°C...C-PeP°CГPrC-CГ *torsade de pointes* (CГPïPsCГC,PµCГC-PïP°P»PëCГCГ PïPµCГPµPIP°P¶PSPs Cр PïP°CГC-C" PSC,C-PI C-P· C,,P°PeC,PsCГP°PjPë CГPëP·PëPeCр PïPsPrPsPIP¶PµPSPSCГ C-PSC,PµCГPIP°P»Cр QT), PïPsPrPsPIP¶PµPSPSCГ C-PSC,PµCГPIP°P»Cр QT PSP° P·PъP" (PrPëPI. CГPsP·PrC-P»Pë B«PхCГPsP±P»PëPIPsCГC,C- P·P°CГC,PsCГCрPIP°PSPSCГ. PµPsPrPsPIP¶PµPSPSCГ C-PSC,PµCГPIP°P»Cр QTB» C,P° B«PµPµCГPµPrPsP·CрPIP°PSPSCГB»).

*P'P°CГPeCéP»CГCГPSC- CГPsP·P»P°PrPë**:*

CГC-PrPePs: P°CГC,PµCГC-P°P»ЧPSP° PiC-PïPsC,PµPSP·C-CГ.

P— P±PsPeCé PrPëC...P°P»ЧPSPsC— CГPëCГC,PµPjPë:

PSPµC±P°CГC,Ps: P±CГPsPSC...PsCГPïP°P·Pj;

C±P°CГC,PsC,P° PSPµPIC-PrPsPjP°: PrPëCГPïPSPsPµ, P°P»PµCГPiC-C±PSPëPNë PïPSPµPIPjPsPSC-C,,.

P— P±PsPeCé CëP»CéPSPePsPIPs-PePëCëPePsPIPsPiPs C,CГP°PeC,Cé:

C±P°CÍC,Ps: PrC-P°CĤPμCĬ, PSCrPrPsC,P°, P±P»CĤPIP°PSPSCĬ;

PSPμC±P°CÍC,Ps: P±C-P»CH Cr P¶PëPIPsC,C-, PrPëCÍPïPμPïCÍC-CĬ, P·PrCrC,C,CĬ
P¶PëPIPsC,P°, P·P°PïPsCĤ;

C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiPμPjPsCĤP°PiC-C±PSP° PrC-P°CĤPμCĬ, C°Ps Cr
PrCrP¶Pμ CĤC-PrPeC-CÍPSPëC... PIPëPïP°PrPeP°C... PjPsP¶Pμ CÍPIC-PrC±PëC,Pë PiCĤPs
PμPSC,PμCĤPsPePsP»C-C,, PIPeP»CĤC±P°CĤC±Pë PiCÍPμPIPrPsPjPμPjP±CĤP°PSPsP·PSPëPN
PePsP»C-C,, PïP°PSPeCĤPμP°C,PëC,.

P— P±PsPeCž PiPμPïP°C,PsP±C-P»C-P°CĤPSPsC— CÍPëCÍC,PμPjPë:

C±P°CÍC,Ps: PiC-PrPIPëC°PμPSPSCĬ PiPsPeP°P·PSPëPeC-PI PïPμC±C-PSPePsPIPëC...
C,,PμCĤPjPμPSC,C-PI (PĥP·Pÿ/PĥPÿPÿ, P»CrP¶PSP° C,,PsCÍC,,P°C,P°P·P°, P°P°PÿPμ);

PSPμC±P°CÍC,Ps: PiC-PrPIPëC°PμPSPSCĬ P±C-P»C-CĤCrP±C-PSCr PeCĤPsPIC-;

C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: P¶PsPIC,CĬPSPëC†CĬ C,P° C,CĬP¶PePμ CrCĤP°P¶PμPSPSCĬ
PïPμC±C-PSPePë, PIPeP»CĤC±P°CĤC±Pë PIPëPïP°PrPePë PiPsCÍC,CĤPsC—
PïPμC±C-PSPePsPIPsC— PSPμPrPsCÍC,P°C,PSPsCÍC,C- (C-PSPsPrC- P»PμC,P°P»CHPSC-),
PïPμCĤPμPIP°P¶PSPs Cr PïP°C†C-C°PSC,C-PI C-P· C,CĬP¶PePëPjPë PsCÍPSPsPIPSPëPjPë
P·P°C...PIPsCĤCĤPIP°PSPSCĬPjPë, PiPμPïP°C,PëC,.

P— P±PsPeCž C€PeC-CĤPë C,P° PiC-PrC€PeC-CĤPSPëC... C,PeP°PSPëPS:

PSPμC±P°CÍC,Ps: PIPëCÍPëPïP°PSPSCĬ, CÍPIPμCĤP±C-P¶, PeCĤPsPïPëPIbĤ™ CĬPSPeP°,
PiC-PïPμCĤPiC-PrCĤPsP·;

C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP°: PiC-PïPμCĤPïC-PiPjPμPSC,P°C†C-CĬ C€PeC-CĤPë,
C,PsPeCÍPëC±PSPëPN PμPiC-PrPμCĤPjP°P»CHPSPëPN PSPμPeCĤPsP»C-P· (CÍPëPSPrCĤPsPj
P»P°PN°C°P»P°), CÍPëPSPrCĤPsPj PÿC,C-PIPμPSCÍP° bĤ° P°P¶PsPSCÍPsPSP°,
PjPμPrPëPeP°PjPμPSC,PsP·PSP° CĤPμP°PeC†C-CĬ P· PμPsP·PëPSPsC,,C-P»C-C°CĤ C,P°
CÍPëCÍC,PμPjPSPëPjPë CÍPëPjPiC,PsPjP°PjPë (DRESS, CĤC-PrPePs
P·CrCÍC,CĤC-C±P°C°C,CHCÍCĬ), P»PsPeP°P»C-P·PsPIP°PSPëPN PIPëCÍPëPïPSP° C€PeC-CĤC-,
CÍPiCĤPëC±PëPSPμPSPëPN P»C-PeP°CĤCÍCHPePëPjPë P·P°CÍPsP±P°PjPë (PrPëPI.
CĤPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCĬB»),
PμPeCÍCrPrP°C,PëPIPSP° PjCrP»CHC,PëC,,PsCĤPjPSP° PμCĤPëC,PμPjP°, CĤPμP°PeC†C-C—
C,,PsC,PsC±CrC,P»PëPIPsCÍC,C-, P»PμPNPePsC†PëC,PsPeP»P°CÍC,PëC±PSPëPN
PIP°CÍPeCrP»C-C,, CÍC,PsPjP°C,PëC,.

P PμP°PeC†C-C— P· P±PsPeCr C€PeC-CĤPë C,P° CÍP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe
C-PSPsPrC- PjPsP¶CrC,CH PIPëPSPëPeP°C,Pë PSP°PIC-C,CH PiC-CÍP»CĬ
P·P°CÍC,PsCÍCrPIP°PSPSCĬ PïPμCĤC€PsC— PrPsP·Pë PiCĤPμPïP°CĤP°C,Cr.

*P— P±PsPeCž PeC-CÍC,PePsPIPs-PjeĤ™ CĬP·PsPIPsC— CÍPëCÍC,PμPjPë C,P°
CÍPiPsP»CžC±PSPsC— C,PeP°PSPëPSPë*:*

PSPμC±P°CÍC,Ps: P°CĤC,CĤP°P»PiC-CĬ, PjC-P°P»PiC-CĬ;

CĤC-PrPePs: CrCĤP°P¶PμPSPSCĬ CÍCrC...PsP¶PëP»CH, Cr C,PsPjCr C±PëCÍP»C- C—C...
P·P°PïP°P»PμPSPSCĬ (C,PμPSPrPëPSC-C,, PSP°PiCĤPëPeP°P°Pr P°C...C-P»P»PsPIPsPiPs
CÍCrC...PsP¶PëP»P»CĬ), PjbĤ™ CĬP·PsPIP° CÍP»P°P±PeC-CÍC,CH, CĬPeP° PjPsP¶Pμ PjP°C,Pë
PsCÍPsP±P»PëPIPμ P·PSP°C±PμPSPSCĬ PrP»CĬ C...PIPsCĤPëC... PSP° C,CĬP¶PeCr

PjC-P°CfC,PμPSC-Cñ *gravis*;

C‡P°CfC,PsC,P° PSPμPIC-PrPsPjP°: CñP°P±PrPsPjC-PsP»C-P, CñPsP·CñPëPI
CfCfC...PsP¶PëP»P»C¶ (PSP°PïCñPëPeP»P°Pr, P°C...C-P»P»PsPIPsPiPs), CñPsP·CñPëPIPë
P·PIBñ™ C¶P·PsPe, CñPsP·CñPëPIPë PjBñ™ C¶P·C-PI, P°CñC,CñPëC,.

P— P±PsPeC¿ PSPëCñPsPe C,P° CfPμC‡PsPIPëPrC-P»CHbPSPsC— CfPëCfC,PμPjPë:

PSPμC‡P°CfC,Ps: PïC-PrPIPëC%PμPSC- PïPsPeP°P·PSPëPePë PeCñPμP°C,PëPSC-PSCr PI
CfPëCñPsPIP°C,C†C- PeCñPsPIC-;

CñC-PrPePs: PiPsCfC,CñP° PSPëCñPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH
(PSP°PïCñPëPeP»P°Pr, CrPSP°CfP»C-PrPsPe C-PSC,PμCñCfC,PëC†C-P°P»CHbPSPsPiPs
PSPμC,,CñPëC,Cr).

P—P°PiP°P»CHbPSC- CñPsP·P»P°PrPë:*

PSPμC‡P°CfC,Ps: P°CfC,PμPSC-C¶;

CñC-PrPePs: PïC-PrPIPëC%PμPSPSC¶ C,PμPjPïPμCñP°C,CrCñPë C,C-P»P°
(PïC-CñPμPeCfC-C¶);

C‡P°CfC,PsC,P° PSPμPIC-PrPsPjP°: P±C-P»CH (PIPeP»CñC‡P°CñC‡Pë P±C-P»CH Cr
CfPïPëPSC-, PiCñCfCPrC¶C... C,P° PeC-PSC†C-PIPeP°C...).

PŸPμCñPμPr C-PSCëPëC... PSPμP±P°P¶P°PSPëC... PïPsP±C-C‡PSPëC... PμC,,PμPeC,C-PI, C%Ps
P°CfPsC†C-CñCñC,CHbCfC¶ P· PïCñPëPNëPsPjPsPj C,,C,PsCñC...C-PSPsP»PsPSCr, PSP°PïP°PrPë
PïPsCñC,,C-CñC-C— Cr PïP°C†C-C°PSC,C-PI C-P· PSP°C¶PIPSC-CfC,Cñ PïPsCñC,,C-CñC-C—.

* PJ PrCrP¶Pμ CñC-PrPeC-CfPSPëC... PIPëPïP°PrPeP°C... Cr PïP°C†C-C°PSC,C-PI, C¶PeC-
PsC,CñPëPjCrPIP°P»Pë C...C-PSPsP»PsPSPë C,P° C,,C,PsCñC...C-PSPsP»PsPSPë,
PSPμP·P°P»PμP¶PSPs PIC-Pr PIC-PeCr C,P° PSP°C¶PIPSPsCfC,C- C,,P°PeC,PsCñC-PI
CñPëP·PëPeCr, PIPëPSPëPeP°P»Pë C,CñPëPIP°P»C- (PïCñPsC,C¶PiPsPjB PeC-P»CHbPePsC...
PjC-CfC¶C†C-PI P°P±Ps CñPsPeC-PI), C-PSPIP°P»C-PrPëP·CrCñC‡C- C,P°
PïPsC,PμPSC†C-PNëPSPs PSPμPsP±PsCñPsC,PSC- CfPμCñPNëPsP·PSC- PïPsP±C-C‡PSC-
CñPμP°PeC†C-C—, C¶PeC- PIPïP»PëPIP°P»Pë PSP° CñC-P·PSC- CfPëCfC,PμPjPë
PsCñPiP°PSC-P·PjCr (Cr C,PsPjCr C‡PëCfP»C- C,PμPSPPrPëPSC-C,, CñPsP·CñPëPI
CfCfC...PsP¶PëP»P»C¶, P°CñC,CñP°P»PiC-C¶, P±C-P»CH Cr PeC-PSC†C-PIPeP°C...,
PïPsCñCfCëPμPSPSC¶ C...PsPrPë, PSPμPICñPsPïP°C,C-C—, PïPsPIBñ™ C¶P·P°PSC- P·
PïP°CñPμCfC,PμP·C-C°Cñ, PrPμPïCñPμCfC-C¶, PIC,PsPjP°, PïPsCñCfCëPμPSPSC¶
PïP°PjBñ™ C¶C,C-, PïPsCñCfCëPμPSPSC¶ CfPSCr, PïPsCñCfCëPμPSPSC¶ CfP»CrC...Cr,
P·PsCñCr, CfPjP°PeCr C,P° P·P°PïP°C...Cr).

** PμPsPIC-PrPsPjP»C¶P»PsCfC¶ PïCñPs PIPëPïP°PrPePë P°PSPμPICñPëP·PjPë C,P°
PrPëCfPμPeC†C-C— P°PsCñC,Pë, C-PSPePsP»Pë CrCfPeP»P°PrPSPμPSC- CñPsP·CñPëPIPpsPj
(PIPeP»CñC‡P°CñC‡Pë P»PμC,P°P»CHbPSC- PIPëPïP°PrPePë), C-
CñPμPiCrCñPiC-C,P°C†C-C—/PSPμPrPsCfC,P°C,PSPsCfC,C- P±CrPrCHb-C¶PePsPiPs P·
PeP»P°PïP°PSC-PI CfPμCñC†C¶ Cr PïP°C†C-C°PSC,C-PI, C¶PeC- PsC,CñPëPjCrPIP°P»Pë
C,,C,PsCñC...C-PSPsP»PsPSPë (PrPëPI. CñPsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C-
P·P°CfC,PsCfCfPIP°PSPSC¶B»).

PμPsPIC-PrPsPjP»PμPSPSC¶ PïCñPs PïC-PrPsP·CñCñPIP°PSC- PïPsP±C-C‡PSC-
CñPμP°PeC†C-C—

