

$$P\propto P^{\circ}C\overline{H}PjP^{\circ}P\epsilon PsP\epsilon C-PSP\mu C,P\ddot{e}P\epsilon P^{\circ}.$$

PhPrPSPsCḡP°P·PsPIC- 30-C...PIPëP»PëPSPSC- PIPSCřC,ḡC-C€PSCḡPsPIPµPSPSC- C-PSC,,CřP·C-C— 0,5 Pi, 1,0 Pi C,P° 2,0 Pi Cř P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI CřPiCḡPëC†PëPSCḡP»Pë PiC-PePsPIC- ḡC-PIPSC- Cř CřPëCḡPsPIP°C,C†C- PeCḡPsPIC- 54, 90 C- 204 PjPi/P», P° PsPrPSPsCḡP°P·PsPIC- 3-C...PIPëP»PëPSPSC- PIPSCřC,ḡC-C€PSCḡPsPIPµPSPSC- C-PSḡḡ™C”PeC†C-C— PsPrPSP°PePsPIPëC... PrPsP· CřPiCḡPëC†PëPSCḡP»Pë PiC-PePsPIC- ḡC-PIPSC- 58, 125 C,P° 242 PjPi/P». PµC-PePsPIC- PePsPSC†PµPSC,CḡP°C†C-C— P°P·C,CḡPµPsPSP°PjCř PrPsCřCḡPiP°CḡC,CHCřCḡ PiCḡPëP±P»PëP·PSPs C†PµCḡPµP· PiPsPrPëPSCř PiC-CřP»Cḡ PIPSCřC,ḡC-C€PSCḡPsPjḡḡ™CḡP·PsPIPsPiPs PIPIPµPrPµPSPSCḡ. PµC-CřP»Cḡ PIPIPµPrPµPSPSCḡ C-PrPµPSC,PëC†PSPëC... PsPrPSPsCḡP°P·PsPIPëC... PIPSCřC,ḡC-C€PSCḡPsPjḡḡ™CḡP·PsPIPëC... C- PIPSCřC,ḡC-C€PSCḡPsPIPµPSPSPëC... PrPsP· PePsPSC†PµPSC,CḡP°C†C-Cḡ PI CřPëCḡPsPIP°C,C†C- PeCḡPsPIC- C†PµCḡPµP· 1 PiPsPrPëPSCř (C†PµCḡPµP· 1,5 PiPsPrPëPSPë PIC-Pr PiPsC†P°C,PeCř PIPSCřC,ḡC-C€PSCḡPsPIPµPSPSPëC... C-PSC,,CřP·C-PNḡ) P±CřP»P° PiPsCḡC-PIPSCḡPSPSPsCḡ.

PµPµCḡC-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCḡ P°P·C,CḡPµPsPSP°PjCř C-P· CřPëCḡPsPIP°C,PePëB PeCḡPsPIC- PI CřPµCḡPµPrPSCḡPsPjCř CřC,P°PSPsPIPëPI 1,7 PiPsPrPëPSPë Cř PiP°C†C-C”PSC,C-PI P· PSPsCḡPjP°P»CHPSPsCḡ C,,CřPSPeC†C-C”Cḡ PSPëCḡPsPe, PSPµP·P°P»PµP¶PSPs PIC-Pr PrPsP·Pë C,P° C€P»CḡC...Cř PIPIPµPrPµPSPSCḡ. Pj P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI 60ḡḡ”70 % PsPrPSPsCḡP°P·PsPIPsC— PIPSCřC,ḡC-C€PSCḡPsPjḡḡ™CḡP·PsPIPsC— P°P±Ps PIPSCřC,ḡC-C€PSCḡPsPIPµPSPSPsC— PrPsP·Pë PIPëPIPsPrPëP»PsCřCḡ C-P· CřPµC†PµCḡ PiCḡPsC,CḡPiPsPj 8 PiPsPrPëPS, P° C†PµCḡPµP· 12 PiPsPrPëPS PIPëPIPµPrPµPSPSCḡ PiCḡP°PeC,PëC†PSPs P·P°PIPµCḡC€PëP»PsCřCḡ.

РљР»С-РSC-С†РSC- С...Р°СḡР°РeC,РµCḡPëCřC,РëРeРë.

РµРsРeР°Р·Р°РSPSCḡ.

PhP·PµPsPSP°Pj P·P°CřC,PsCřPsPICřPIP°C,Pë PrP»Cḡ P»C-PeCřPIP°PSPSCḡ PSPëP¶C†PµPSP°PIPµPrPµPSPëC... C-PSC,,PµPeC†C-PNḡ, CřPiCḡPëC†PëPSPµPSPëC... C†CřC,P»PëPIPëPjPë P°PµCḡPsP±PSPëPjPë PiCḡP°PjPSPµPiP°C,PëIPSPëPjPë PjC-PeCḡPsPsCḡPiP°PSC-P·PjP°PjPë:

- P†PSC,,PµPeC†C-C— CřPµC†PsPIPëPIC-PrPSPëC... C€P»CḡC...C-PI, Cř C,PsPjCř C†PëCřP»C- PiC-C”P»PsPSPµC,,CḡPëC, C,P° C†PëCřC,PëC, (PiPsC†P°C,PePsPIPëPNḡ C,P° CḡPµC†PëPrPëPICřCḡC†PëPNḡ), P±PµP·CřPëPjPiC,PsPjPSP° P±P°PeC,PµCḡC-CřCḡC-Cḡ, PIPëPeP»PëPeP°PSP°, P·PsPeCḡPµPjP°, P·P±CřPrPSPëPeP°PjPë, CḡPµP·PëCřC,PµPSC,PSPëPjPë PrPs P°PjC-PSPsPiP»C-PePsP·PëPrC-PI, C†PµC,,P°P»PsCřPiPsCḡPëPSC-PI P°P±Ps PiPµPSC-C†PëP»C-PSC-PI.

- P”PsPSPsCḡPµCḡ: PiPsCřC,CḡP° PSPµCřCřPeP»P°PrPSPµPSP° CřCḡPsPiPµPSC-C,P°P»CHPSP° P°P±Ps P°PSPsCḡPµPeC,P°P»CHPSP° C-PSC,,PµPeC†C-Cḡ, PIPëPeP»PëPeP°PSP° C€C,P°PjP°PjPë N. gonorrhoeae, C‰Ps PiCḡPsPrCřPeCřCḡC,CH P°P±Ps PSPµ PiCḡPsPrCřPeCřCḡC,CH P±PµC,P°-P»P°PeC,P°PjP°P·Cř.

- P†PSC,,PµPeC†C-C— PSPëP¶PSC-C... PrPëC...P°P»CHPSPëC... C€P»CḡC...C-PI, Cř C,PsPjCř C†PëCřP»C- PiPSPµPIPjPsPSC-Cḡ, P±CḡPsPSC...C-C, C,P° P»PµPiPµPSPµPIC- C-PSC,,PµPeC†C-C— Cř PiP°C†C-C”PSC,C-PI C-P· PjCřPePsPIC-CřC†PëPrPsP·PsPj.

- P°P°PeC, PμCḡC-C°PjC-Cḡ/CḡPμPīC, PēC†PμPjC-Cḡ.

- PḡPμPSC-PSPiC-C,, PIPēPeP»PēPeP°PSPēPNē *Haemophilus influenzae* P°P±Ps *Neisseria meningitidis*. PhCḡPeC-P»CHḡPePē P°P·C, CḡPμPsPSP°Pj PIPīP»PēPIP°C° P»PēCēPμ PSP° PiCḡP°PjPSPμPiP°C, PēPIPSC- PjC-PeCḡPsPsCḡPiP°PSC-P·PjPē, PNēPsPiPs PSPμ CḡP»C-Pr PiCḡPēP·PSP°C†P°C, Pē P»PēCēPμ CḡPe PīPsC†P°C, PePsPICḡ CḡP»C-PiCḡ C, PμCḡP°PiC-Cḡ, PiCḡPsC, Pμ PNēPsPiPs PjPsPḡPSP° P·P°CḡC, PsCḡPsPICḡPiP°C, Pē CḡP°P·PsPj P· P°PSC, PēP±C-PsC, PēPePsPj, P°PeC, PēPIPSPēPj PiCḡPsC, Pē PiCḡP°PjPiPsP·PēC, PēPIPSPēC... PjC-PeCḡPsPsCḡPiP°PSC-P·PjC-PI, PīPsPePē PSPμ P±CḡPrCḡC, CHḡ PIC-PrPsPjC- CḡPμP·CḡP»CHḡC, P°C, Pē C, PμCḡC, C-PI PSP° C†CḡC, P»PēPIC-CḡC, CHḡ.

- P†PSC,, PμPeC†C-C— PeC-CḡC, PsPe C, P° CḡCḡPiP»PsP±C-PI.

- P†PSC,, PμPeC†C-C— CēPeC-CḡPē C, P° Pjḡḡ™ CḡPePēC... C, PeP°PSPēPS, Cḡ C, PsPjCḡ C†PēCḡP»C- C-PSC,, PμPeC†C-C—, C°Ps PīPsPIḡḡ™ CḡP·P°PSC- P· PiC-CḡP»CḡPsPiPμCḡP°C†C-PNēPSPēPjPē CḡP°PSP°PjPē, PIPēCḡP°P·PeP°PjPē C, P° PsPiC-PeP°PjPē.

- P°PSCḡC, CḡC-CēPSCḡPsC†PμCḡPμPIPSC- C-PSC,, PμPeC†C-C—: PīPμCḡPēC, PsPSC-C,,.

- P°C-PSPμPePsP»PsPiC-C†PSC- C-PSC,, PμPeC†C-C—: P·P°PiP°P»PμPSPSCḡ PsCḡPiP°PSC-PI PjP°P»PsPiPs C, P°P·P°, PμPSPPrPsPjPμC, CḡPēC, C, P° PīP°CḡP°PjPμC, CḡPēC,,.

PḡP·PμPsPSP°Pj PīPsPeP°P·P°PSPēPNē PrP»Cḡ PiC-PrC, CḡPēPjCḡC†PsC— C, PμCḡP°PiC-C— PiCḡPē C...C-CḡCḡCḡPiC-C†PSPsPjCḡ PIC, CḡCḡC†P°PSPSC- PiCḡPē P»C-PeCḡPiP°PSPSC- C-PSC,, PμPeC†C-PNē, PIPēPeP»PēPeP°PSPēC... C†CḡC, P»PēPIPēPjPē PsCḡPiP°PSC-P·PjP°PjPē, PIPeP»CḡC†P°CḡC†Pē P°P±CḡC†PμCḡPē, C-PSC,, PμPeC†C-C—, CḡPeC- CḡCḡPeP»P°PrPSCḡCḡC, CHḡ PiPμCḡC,, PsCḡP°C†C-C— PīPsCḡPsPḡPSPēCḡC, PēC... PsCḡPiP°PSC-PI, CēPeC-CḡPSC- C-PSC,, PμPeC†C-C— C, P° C-PSC,, PμPeC†C-C— CḡPμCḡPsP·PSPēC... PīPsPIPμCḡC...PsPSCḡ.

PḡPμPsP±C...C-PrPSPs PiCḡPsPIPμCḡC, Pē P±P°PeC, PμCḡC-PsP»PsPiC-C†PSC- PrPsCḡP»C-PrPḡPμPSPSCḡ PrP»Cḡ PIPēP·PSP°C†PμPSPSCḡ P·P±CḡPrPSPēPeC-PI C, P° C—C... C†CḡC, P»PēPIPSCḡC, C- PrPs P°P·C, CḡPμPsPSP°PjCḡ. PḡPμCḡP°PiC-Cḡ PjPsPḡPμ PiCḡPēP·PSP°C†P°C, PēCḡCḡ PrPs PsC, CḡPēPjP°PSPSCḡ CḡPμP·CḡP»CHḡC, P°C, C-PI C†CḡC, P»PēPIPSCḡC, C-.

Pj PīP°C†C-C°PSC, C-PI C-P· CḡPēP·PēPePsPj C-PSC,, C-PeCḡPiP°PSPSCḡ PSPμC†CḡC, P»PēPIPēPjPē PīP°C, PsPiPμPSPSPēPjPē PjC-PeCḡPsPsCḡPiP°PSC-P·PjP°PjPē CḡP»C-Pr PiCḡPsPiPsPrPēC, Pē PrPsPrP°C, PePsPICḡ C, PμCḡP°PiC-Cḡ P°PSC, PēP±C-PsC, PēPeP°PjPē PsPrPSPsC†P°CḡPSPs P· PḡP·PμPsPSP°PjPsPj PrP»Cḡ P·P°P±PμP·PiPμC†PμPSPSCḡ PsC...PsPiP»PμPSPSCḡ CēPēCḡPsPePsPiPs CḡPiPμPeC, CḡP° PīPμCḡPμPr C, PēPj, CḡPe C-PrPμPSC, PēC,, C-PeCḡPiP°C, Pē C, P° PIPēP·PSP°C†PēC, Pē CḡPiCḡPēPNēPSCḡC, P»PēPIC-CḡC, CHḡ P·P±CḡPrPSPēPeC-PI. PḡP° PiC-PrCḡC, P°PIC- C†PēC... CḡPμP·CḡP»CHḡC, P°C, C-PI PSPμPsP±C...C-PrPSPs PiCḡPsPrPsPIPḡPēC, Pē PIC-PrPiPsPIC-PrPSCḡ P°PSC, PēP±P°PeC, PμCḡC-P°P»CHḡPSCḡ C, PμCḡP°PiC-Cḡ.

PμP°C†C-C°PSC, Pē C-P· CḡPμCḡPNēPsP·PSPēPjPē C-PSC,, PμPeC†C-CḡPjPē *Pseudomonas* PjPsPḡCḡC, CHḡ PsPrPSPsC†P°CḡPSPs PsC, CḡPēPjCḡPiP°C, Pē P»C-PeCḡPiP°PSPSCḡ PḡP·PμPsPSP°PjPsPj C, P° P°PjC-PSPsPiP»C-PePsP·PēPrPsPj C†PμCḡPμP· C—C... CḡPēPSPμCḡPiC-C†PSCḡ PrC-Cḡ. PīPeC°Ps PrP»Cḡ C†PēC... PīP°C†C-C°PSC, C-PI PiCḡPēP·PSP°C†P°C, CHḡCḡCḡ C, P°PeP° PsPrPSPsC†P°CḡPSP° C, PμCḡP°PiC-Cḡ, C, Ps

C, P_μCTC, Pē PSP° CÍPíCTjPēPN₂PSC_μC, P»PēPIC-CTC, CH CÍP»C-Pr PíCTjPsPIPsPrPēC, Pē *in vitro* PrP»C_μ PIPēP·PSP°C_μP_μPSPSC_μ P°PeC, PēPIPS_μCTC, C- PíCTjPē PePsPjP±C-PSPsPIP°PSC-PN₂ C, P_μCTjP°PíC-C—. P_μC-Pr C_μP°CÍ P°PjC-PSPsPiP»C-PePsP·PēPrPSPsC— C, P_μCTjP°PíC-C— P·P°CÍCT, PsCÍCTPsICrC”C, CHCÍCT_μ P·PIPēC_μP°PN₂PSPēPN₂ PjPsPSC-C, PsCTjPēPSPi CTjC-PIPSC-PI CÍPēCTjPsPIP°C, PePē PeCTjPsPIC- C, P° C_μCÍPSPeC_μC-C— PSPēCTjPsPe.

P_μCTjPsC, PēPíPsPeP°P·P°PSPSC_μ.

P”C-PíP_μCTjC_μCÍCT, P»PēPIC-CTC, CH PrPs P°PeC, PēPIPS_μSC— CTjP_μC_μPsPIPēPSPē P°P±Ps PrPs P±CÍPrCH-CTjPePsC— P· PrPsPíPsPjC-P_μPSPēC... CTjP_μC_μPsPIPēPS P»C-PeP°CTjCÍCHPePsPiPs P·P°CÍCTPsP±CÍ.

P_μP·P_μPsPSP°Pj PíCTjPsC, PēPíPsPeP°P·P°PSPēPN₂ PíC-Pr C_μP°CÍ PIP°PíC-C, PSPsCTC, C-. P_μP·C, CTjP_μPsPSP°Pj PíCTjPsPSPēPeP°C” C_μP_μCTjP_μP· PíP»P°C_μP_μPSC, CÍ C, P° PíPsC, CTjP°PíP»C_μC” PI PeCTjPsPIPsPsP±C-Pí PíP»PsPrP°.

P’P·P°C”PjPsPrC-C_μ P· C-PSC€PēPjPē P»C-PeP°CTjCÍCHPePēPjPē P·P°CÍCTPsP±P°PjPē C, P° C-PSC€C- PIPēPrPē PIP·P°C”PjPsPrC-PN₂.

P_μPrPSPsC_μP°CÍCTPSP_μ P·P°CÍCT, PsCÍCTPíP°PSPSC_μ PíCTjPsP±P_μPSP_μC_μPēPrCÍ P°P±Ps C_μCÍCTjPsCÍCT_μPjC-PrCÍ C, P° P°P·C, CTjP_μPsPSP°PjCÍ PIPēPeP»PēPeP°C” PeP»C-PSC-C_μPSP_μ PSP_μP·PSP°C_μPSP_μ PíC-PrPIPēC%P_μPSPSC_μ CTjC-PIPSC_μ P°P·C, CTjP_μPsPSP°PjCÍ PI CÍPēCTjPsPIP°C, C_μC- PeCTjPsPIC-.

P’PSP°CÍP»C-PrPsPe C-PSP_μPrCÍPeC_μC-C— P±P_μC, P°-P»P°PeC, P°PjP°P· PíP_μPIPSC- P°PSC, PēP±C-PsC, PēPePē (PSP°PíCTjPēPeP»P°Pr, C_μP_μC_μPsPeCÍPēC, PēPS, C-PjC-PíP_μPSP_μPj), C_μPe PIPēC_μPIPēP»PsCÍCT_μ, CÍPíCTjPēC_μPēPSC_μCT_μCH P°PSC, P°PíPsPSC-CTC, PēC_μPSCÍ PrC-CT_μ P· P±P°PíP°C, CHPjP° P±P_μC, P°-P»P°PeC, P°PjP°PjPē, PIPeP»CT_μC_μP°CT_μC_μPē P°P·C, CTjP_μPsPSP°Pj, C%PsPrPs PrP_μC_μPePēC... PíCTjP°PjPSP_μPíP°C, PēPIPS_μPēC... P°P_μCTjPsP±C-PI, C, P°PePēC... C_μPe *Enterobacter species* C, P° *Pseudomonas species*.

P_μCTjPē PsPrPSPsC_μP°CÍCTPSPsPjCÍ P·P°CÍCT, PsCÍCTPíP°PSPSC- P°PSC, PēPePsP°PíCÍP»C_μIPSC, C-PI CÍP»C-Pr PíCTjPsPIPsPrPēC, Pē PIC-PrPíPsPIC-PrPSPēPN₂ PjPsPSC-C, PsCTjPēPSPi. P”P»C_μ PíC-PrC, CTjPēPjP°PSPSC_μ P±P°P_μP°PSPsPiPs CTjC-PIPSC_μ P°PSC, PēPePsP°PíCÍP»C_μCT_μC-C— PjPsP_μP_μ P±CÍCT, Pē PíPsC, CTjC-P±PSP_μ PePsCTjPēPíCÍPíP°PSPSC_μ PrPsP·Pē PíP_μCTjPsCTjP°P»CHPSPēC... P°PSC, PēPePsP°PíCÍP»C_μIPSC, C-PI (PrPēPI. CTjPsP·PrC-P»Pē B«P_μCÍCTPsP±P»PēPIPsCÍCT, C- P·P°CÍCT, PsCÍCTPíP°PSPSC_μB» C, P° B«P_μPsP±C-C_μPSC- CTjP_μP°PeC_μC-C—B»).

P_μP°CTjPjP°PePsPeC-PSP_μC, PēC_μPSC- PrPsCÍP»C-PrP_μPSPSC_μ P· PsPrPSPsCTjP°P·PsPIPsCT_μ PrPsP·PsCT_μ PSP_μ PíPsPeP°P·P°P»Pē CÍCTC, C, C”PIPsC— PIP·P°C”PjPsPrC-C— PjC-P_μ P°P·C, CTjP_μPsPSP°PjPsPj C, P° PíP_μPSC, P°PjC-C_μPēPSPsPj, C_μP_μC_μCTjP°PrPēPSPsPj, PeP»C-PSP_μPrP°PjC-C_μPēPSPsPj P°P±Ps PjP_μC, CTjPsPSC-PrP°P·PsP»PsPj.

P_μP° PIC-PrPjC-PSCÍ PIC-Pr P°PSC, PēP±C-PsC, PēPeC-PI CēPēCTjPsPePsPiPs CÍPíP_μPeC, CTjP° PrC-C—, P°P·C, CTjP_μPsPSP°Pj PSP_μ PIPiP»PēPIP°C” PSP° PSPsCTjPjP°P»CHPSCÍ P°PSP°P_μCTjPsP±PSCÍ PePēCēPePsPICÍ C_μP»PsCTjCÍ. P_μCTjPs P_μPsPrPSC- PrPēCÍCTP»CHC_μ, C-CTjP°PjPsPíPsPrC-P±PSC- CTjP_μP°PeC_μC-C— C-P· PIP_μPēPIP°PSPSC_μPj

P°P»PePsPiPsP»CḤ PSPμ PīPsPIC-PrPsPjP»CḶP»PsCíCḶ.

PḥCíPsP±P»PēPIPSCíC,C- P·P°CíC,PSCíCáPIP°PSPSCḶ.

PḥP»PμCḤPiC-C±PSC- CḤPμP°PeC†C-C—

PḵPμPsP±C...C-PrPSPs P· PsP±PμCḤPμPḶPSC-CíC,CḤ PīCḤPēP·PSP°C±P°C,Pē CḶPe
P°PSC,PēP±C-PsC,PēPePē, C,P°Pe C- C-PSC€C- P»C-PeP°CḤCíCḤPeC- P·P°CíPsP±Pē
PīP°C†C-C”PSC,P°Pj, CḶPeC- PjP°CḤC,CḤ Pī P°PSP°PjPSPμP·C- P°P»PμCḤPiC-C±PSC-
CḤPμP°PeC†C-C— PSP° CíC,CḤCíPeC,CíCḤPSPs CíPīPsCḤC-PrPSPμPSC- CíPīPsP»CíPePē. Pj
CḤP°P·C- PIPēPSPēPePSPμPSPSCḶ P°P»PμCḤPiC-C±PSPsC— CḤPμP°PeC†C-C—
PSPμPsP±C...C-PrPSPs PīCḤPēPīPēPSPēC,Pē PīCḤPēPNēPsPj PīCḤPμPīP°CḤP°C,Cí C,P°
CḤPsP·PīPsC±P°C,Pē PIC-PrPīPsPIC-PrPSCí PīC-PrC,CḤPēPjCíPIP°P»CḤPSCí C,PμCḤP°PīC-CḤ.
PŷCḶPḶPeC- CḤPμP°PeC†C-C— PīC-PīPμCḤC±CíC,P»PēPIPSCíC,C- PjPsPḶCíC,CḤ
PIPēPjP°PīP°C,Pē PIPμPrPμPSPSCḶ P°PrCḤPμPSP°P»C-PSCí C,P° P·PrC-PNēCíPSPμPSPSCḶ
C-PSC€PēC... PSPμPIC-PrPeP»P°PrPSPēC... P·P°C...PsPrC-PI. P·C-PrPīPsPIC-PrPSC-
PrPsCíP»C-PrPḶPμPSPSCḶ PSPμ PīPsPeP°P·P°P»Pē P·PSP°C±PSPsC—
PīPμCḤPμC...CḤPμCíPSPsC— C±CíC,P»PēPIPSCíC,C- PjC-PḶ P°P·C,CḤPμPsPSP°PjPsPj C,P°
P°PSC,PēC,C-P»P°PjPē PrPs PīPμPSC-C†PēP»C-PSC-PI P°P±Ps C†PμC,,P°P»PsCíPīPsCḤPēPSC-PI.
PſP°CíC,PsC,P° PīC-PīPμCḤC±CíC,P»PēPIPSCíC,C- PrPs P°P·C,CḤPμPsPSP°PjCí Pī
PeP»C-PSC-C±PSPēC... PIPēPīCḤPsP±CíPIP°PSPSCḶC... P±CíP»P° PSPēP·CḤPePsCḤ,
PīCḤPsC,Pμ PrPs PsC,CḤPēPjP°PSPSCḶ PrPsPrP°C,PePsPIPēC... CḤPμP·CíP»CḤC,P°C,C-PI
PrPsCíP»C-PrPḶPμPSPSCḶ CíP»C-Pr PrPsC,CḤPēPjCíPIP°C,PēCíCḶ PsP±PμCḤPμPḶPSPsCíC,C-
C%oPsPrPs PīP°C†C-C”PSC,C-PI, CḶPeC- PjP°CḤC,CḤ Pī P°PSP°PjPSPμP·C-
PīC-PīPμCḤC±CíC,P»PēPIC-CíC,CḤ PrPs P±PμC,P°-P»P°PeC,P°PjPSPēC...
P°PSC,PēP±C-PsC,PēPeC-PI.

PḵPēCḤPePsPIP°/PīPμC±C-PSPePsPIP° PSPμPrPsCíC,P°C,PSC-CíC,CḤ

PμCḤPē P·P°CíC,PsCíCíPIP°PSPSC- P±PμC,P°-P»P°PeC,P°PjC-PI, P·PsPeCḤPμPjP°
P°P·C,CḤPμPsPSP°PjCí, CíPīPsCíC,PμCḤC-PīP°P»Pē PμPSC†PμC,,P°P»PsPīP°C,C-CḤ
(PSP°PīCḤPēPeP»P°Pr, CíPīP»CíC,P°PSC-CíC,CḤ CíPIC-PrPsPjPsCíC,C-,
PīPsCḤCíC€PμPSPSCḶ CíPIC-PrPsPjPsCíC,C-, PμPīC-P»PμPīCíC-CḶ, PīPsCḤCíC€PμPSPSCḶ
CḤCíC...Cí), PsCíPsP±P»PēPIPs Cí PīP°C†C-C”PSC,C-PI C-P· PīPsCḤCíC€PμPSPSCḶPjPē
C,,CíPSPeC†C-C— PSPēCḤPsPe C,P° PSP° C,P»C- PīPμCḤPμPrPsP·CíPIP°PSPSCḶ P±PμC,P°-
P»P°PeC,P°PjC-PI.

PμP°C†C-C”PSC,P°Pj C-P· PīPsCḤCíC€PμPSPSCḶPjPē PīPμC±C-PSPePsPIPsC— C,P°
PSPēCḤPePsPIPsC— C,,CíPSPeC†C-C— CḤPμPePsPjPμPSPPrCíC”C,CḤCíCḶ PīCḤPsPIPsPrPēC,Pē
PIC-PrPīPsPIC-PrPSPēPNē PjPsPSC-C,PsCḤPēPSPi PīC-Pr C±P°Cí C,PμCḤP°PīC-C—.

PŷPμCḤPNēPsP·PSC- CḤPsP·P»P°PrPē P· P±PsPeCá PeCḤPsPIC-/C€PeC-CḤPē

PμCḤPē P·P°CíC,PsCíCíPIP°PSPSC- P°P·C,CḤPμPsPSP°PjCí PīPsPIC-PrPsPjP»CḶP»PsCíCḶ
PīCḤPs CíPμCḤPNēPsP·PSC- CḤPsP·P»P°PrPē P· P±PsPeCí PeCḤPsPIC- (PIPeP»CḤC±P°CḤC±Pē
PīP°PSC†PēC,PsPīPμPSC-CḤ) C,P° C€PeC-CḤPē (PIPeP»CḤC±P°CḤC±Pē C,PsPeCíPēC±PSPēPNē
PμPīC-PrPμCḤPjP°P»CḤPSPēPNē PSPμPeCḤPsP»C-P·). Pj CḤP°P·C- CíPμCḤPNēPsP·PSPēC...
P·PjC-PS PSP° C€PeC-CḤC- C,P° Cí PīPμPjPsPīCḤP°PjC- CḤPμPePsPjPμPSPPrCíC”C,CḤCíCḶ
PīCḤPēPīPēPSPēC,Pē P·P°CíC,PsCíCíPIP°PSPSCḶ P°P·C,CḤPμPsPSP°PjCí.

PŷCáPrPsPjPē

P_μP_sPrP_sPIP¶P_μPSPSC¶P_iC¶P_sC,C¶P_sPjP±C-PSP_sPIP_sPiP_s C‡P°C¶C‡ / P_iC-PrPIPëC‰P_μPSPSC¶P°PëC,PëPIPP_sC¶C,C- P_iP_μC¶P_sC¶P°P»CHbPSPëC... P°PSC,PëPeP_sP°P_iC‡P»C¶PSC,C-PI

P_μPsPrPsPIP_¶P_μPSPSC_¶ P_¶C_¶PsC, C_¶PsPjP±C-PSPsPIPsPiPs C_¶P°C_¶C_¶ C_¶PsC-PrPePs
 C_¶PiPsC_¶C_¶, P_μC_¶PsC-PiP°P»PsC_¶C_¶ C_¶ P_¶P°C_¶C-C°PSC, C-PI, C_¶PeP_¶Pj PIPiPsPrP_¶P_¶P_¶
 P°P·C, C_¶P_μPsPSP°Pj. P_¶C_¶PsC-Pj C, PsPiPs, C_¶ P_¶P°C_¶C-C°PSC, C-PI, C_¶PeC-
 PsC, C_¶P_¶PjC_¶PiP°P»P_¶ P°PSC, P_¶P±C-PsC, P_¶PeP_¶, PIPeP»C_¶C_¶P°C_¶C_¶P_¶ P±P_μC, P°-
 P»P°PeC, P°PjP_¶, P±C_¶P»P_¶ P·P°C_¶P_μC°C_¶C, C_¶PsPIP°PSC- C_¶P_¶C_¶P»P_μPSPSC- PIP_¶PiP°PrPeP_¶
 P_¶C-PrPIP_¶C%_¶P_μPSPSC_¶ P°PeC, P_¶PIPSPsC_¶C, C- P_¶P_μC_¶PsC_¶P°P»C_¶HPSP_¶C...
 P°PSC, P_¶PePsP°PiC_¶P»C_¶IPSC, C-PI. P_¶C_¶IP_¶PeC- C-PSC,, P_μPeC_¶C-C— P°P±Ps
 P·P°P_¶P»P_μPSPSC_¶, P° C, P°PePsP_¶ P_¶PsC...P_¶P»P_¶PN_¶ PIC-Pe C, P° P·P°PiP°P»C_¶HPSP_¶PN_¶
 C_¶C, P°PS P_¶P°C_¶C-C°PSC, P° C° C,, P°PeC, PsC_¶P°PjP_¶ C_¶P_¶P·P_¶PeC_¶. P_μC_¶P_¶
 PsPrPSPsC_¶P°C_¶PSPsPjC_¶ P·P°C_¶C, PsC_¶C_¶PiP°PSPSC- P°PSC, P_¶PePsP°PiC_¶P»C_¶IPSC, C-PI
 C_¶P»C-Pr P_¶C_¶PsPIP_¶PrP_¶C, P_¶ PIC-PrPiPsPIC-PrPSP_¶PN_¶ PjPsPSC-C, PsC_¶P_¶PSPi. P°P»C_¶
 P_¶C-PrC, C_¶P_¶PjP°PSPSC_¶ P±P°P_¶P°PSPsPiPs C_¶PsC-PIPSC_¶ P°PSC, P_¶PePsP°PiC_¶P»C_¶IPSC-C—
 PjPsP_¶P_μ P±C_¶C, P_¶ P_¶PsC, C_¶PsC-P±PSP_μ PePsC_¶P_¶PiC_¶PiP°PSPSC_¶ PrPsP·P_¶
 P_¶P_μC_¶PsC_¶P°P»C_¶HPSP_¶C... P°PSC, P_¶PePsP°PiC_¶P»C_¶IPSC, C-PI (PrP_¶PI. C_¶PsP·PrC-P»P_¶
 B«P·P·P°C°PjPsPrC-C_¶ P· C-PSC€P_¶PjP_¶ P»C-PeP°C_¶C_¶HPeP_¶PjP_¶ P·P°C_¶PsP±P°PjP_¶ C, P°
 C-PSC€C- PIP_¶PrP_¶ PIP·P°C°PjPsPrC-PN_¶B» C- B«P_μPsP±C-C_¶PSC- C_¶P_μP°PeC_¶C-C—B»).

P_¶C_¶PiC_¶C, PSC° P·P°C_¶C, PsC_¶C_¶PiP°PSPSC_¶ P· P°PjC-PSPsPiP»C-PePsP·P_¶PrP°PjP_¶

P_¶PeC%_¶Ps P°PjC-PSPsPiP»C-PePsP·P_¶PrP_¶ P·P°C_¶C, PsC_¶PsPIC_¶C_¶C, C_¶HP_¶C_¶C_¶
 PsPrPSPsC_¶P°C_¶PSPs P· P°P·C, C_¶P_μPsPSP°PjPsPj, PsC_¶PsP±P»P_¶PIPs P_¶C_¶P_¶ P_¶C_¶P_¶PN_¶PsPjC-
 PIP_¶C_¶PsPeP_¶C... P_¶PsC_¶P°C, PePsPIP_¶C... PrPsP· P°P±Ps P_¶C_¶P_¶ C, C_¶P_¶PIP°P»C-PN_¶
 C, P_μC_¶P°PiC-C—, C, Ps C_¶P»C-Pr PePsPSC, C_¶PsP»C_¶PIP°C, P_¶ C,, C_¶PSPeC_¶C-C_¶ PSP_¶C_¶PsPe
 C_¶P_μC_¶P_μ· P_¶PsC, P_μPSC_¶C-PN_¶PSC_¶ PSP_μC,, C_¶PsC, PsPeC_¶P_¶C_¶PSC-C_¶C, C_¶ C-
 PsC, PsC, PsPeC_¶P_¶C_¶PSC-C_¶C, C_¶ P°PjC-PSPsPiP»C-PePsP·P_¶PrPSP_¶C...
 P°PSC, P_¶P±C-PsC, P_¶PeC-PI.

P°C-C, P_¶

P°P°PSC- C%_¶PsPrPs P±P_μP·P_¶P_μPeP_¶ C, P° P_μC,, P_μPeC, P_¶PIPSPsC_¶C, C- PrP»C_¶
 PSPsPIPsPSP°C_¶PsPrP_¶P_μPSP_¶C... PIC-PePsPj PrPs PsPrPSPsPiPs C, P_¶P_¶PSPI
 PsP±PjP_μP_¶P_μPSC-, C, PsPjC_¶ PrPsC_¶C-P»C_¶HPSC-C_¶C, C_¶ P·P°C_¶C, PsC_¶C_¶PiP°PSPSC_¶
 P»C-PeP°C_¶C_¶HPePsPiPs P·P°C_¶PsP±C_¶ P_¶P·P_μPsPSP°Pj C, P°PeP_¶Pj P_¶P°C_¶C-C°PSC, P°Pj
 P_¶PsC, C_¶P_μP±C_¶C° C_¶P_μC, P_μP»C_¶HPSPsC— PsC_¶C-PSPeP_¶.

P_¶C_¶PiC-PSC-PS

P_¶P·C, C_¶P_μPsPSP°Pj PrP»C_¶ C-PSb_¶C°P°PeC_¶C-C— PjC-C_¶C, P_¶C, C_¶ P°C_¶PiC-PSC-PS.
 P°PsC_¶P»C-PrP_¶P_μPSPSC_¶ C_¶ PSPsPIPsPSP°C_¶PsPrP_¶P_μPSP_¶C... P· PSP_¶P·C_¶HPePsC_¶
 PjP°C_¶PsC_¶ C, C-P»P° P_¶PsPeP°P·P°P»P_¶, C%_¶Ps P°C_¶PiC-PSC-PS, PIPiP_μPrP_μPSP_¶PN_¶ C_¶
 C_¶P_¶P»P°PrC- P°P·C, C_¶P_μPsPSP°PjC_¶, PjPsP_¶P_μ P_¶C_¶P_¶·PIP_μC_¶C, P_¶ PrPs
 P·P±C-P»C_¶HPeP_μPSPSC_¶ PIPjC-C_¶C, C_¶ P°C_¶PiC-PSC-PSC_¶, C-PSC_¶C_¶P»C-PSC_¶ C, P°
 PSP_μP_¶C_¶PjPsPiPs P±C-P»C-C_¶C_¶P±C-PSC_¶ PI C_¶P_¶C_¶PsPIP°C, C_¶C- PeC_¶PsPIC-.
 P_¶P°C_¶P»C-PrPeP_¶ PIP_¶P»P_¶PIC_¶ C_¶C-C°C— P°PjC-PSPsPeP_¶C_¶P»PsC, P_¶ P_¶C-Pr C_¶P°C_¶
 P»C-PeC_¶PiP°PSPSC_¶ PSPsPIPsPSP°C_¶PsPrP_¶P_μPSP_¶C... PSP_μ P±C_¶P»P_¶ P_¶PsPIPSC-C_¶C, C_¶
 PIC_¶C, P°PSPsPiP»P_μPSC-.

P°PiP»P_¶PI PSP° C_¶P_μP·C_¶P»C_¶HP, P°C, P_¶ C_¶P_μC_¶PsP»PsPiC-C_¶PSP_¶C... C, P_μC_¶C, C-PI

P_μC-Pr C_¶P°C_¶ P»C-PeC_¶PiP°PSPSC_¶ P°P·C, C_¶P_μPsPSP°PjPsPj PjPsP_¶P_μ PIP_¶PSP_¶PePSC_¶C, P_¶
 P_¶PsP·P_¶C, P_¶PIPSP_¶PN_¶ C_¶P_μP·C_¶P»C_¶HP, P°C, P_¶C_¶P_¶ P_¶C_¶IPjC-PN_¶ P°P±Ps
 PSP_μP_¶C_¶PjC-PN_¶ P_¶C_¶PsP±C- P_¶C_¶PjP±C_¶P°.

*P—P°CÍC,PsCÍC¿PIP°PSPSCÍ C¿ PíPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps
PiPsPrC¿PIP°PSPSCÍ PiCĤC¿PrPrCĤ.*

*P'P°PiC-C,PSC-CÍC,CH. PĥP·C,CĤPµPsPSP°Pj PíCĤPsC,PëPíPsPeP°P·P°PSPëPNë PíC-Pr C±P°CÍ
PIP°PiC-C,PSPsCÍC,C-. PĥP·C,CĤPµPsPSP°Pj PíCĤPsPSPëPeP°C" CÍ PíP»P°C†PµPSC,CÍ C-
PíPsC,CĤP°PíP»CÍC" CÍ PeCĤPsPíPsPsP±C-Pi PíP»PsPrP°.*

*PĥPrPµPePIP°C,PSPëC... C,P° PrPsP±CĤPµ PePsPSC,CĤPsP»CHPsPIP°PSPëC...
PrPsCÍP»C-PrP¶PµPSCĤ CÍ PIP°PiC-C,PSPëC... P¶C-PSPsPe PSPµ
PíCĤPsPíPsPrPëP»PsCÍCÍ. Pj PrPsCÍP»C-PrP¶PµPSPSCÍC..., PíCĤPsPíPµPrPµPSPëC...
PSP° PIP°PiC-C,PSPëC... C%oCÍCĤP°C... C,P° PeCĤPsP»CÍC..., CÍPePëPj
P·P°CÍC,PsCÍPsPICÍPIP°P»Pë PrPs 15 PíPíPµPrPµPSCĤ PrPsP±PsPíPëC... PrPsP·, C%oPs
CÍ 5 CĤP°P·C-Pi PíPµCĤPµPIPëC%oCÍPIP°P»Pë PjP°PeCÍPëPjP°P»CHPSCÍ
CĤPµPePsPjPµPSPPrPsPIP°PSCÍ PrPsP·CÍ PrP»CÍ P»CĤPrPëPSPë, PSPµ PíPëCÍPIPëP»Pë
P¶PsPrPSPëC... PsP·PSP°Pe PµPjP±CĤC-Ps- C±Pë C,,PµC,PsC,PsPeCÍPëC±PSPsCÍC,C-
P°P±Ps C,PµCĤP°C,PsPíPµPSPSPsCÍC,C-. PhCÍPeC-P»CHPePë CĤPµP·CÍP»CHC,P°C,Pë
PrPsCÍP»C-PrP¶PµPSCĤ PSP° C,PIP°CĤPëPSP°C... PSPµ P·P°PIP¶PrPë PjPsP¶PSP°
P·P°CÍC,PsCÍCÍPIP°C,Pë PrPs P»CĤPrPëPSPë, P°P·C,CĤPµPsPSP°Pj CÍP»C-Pr
PíCĤPëP·PSP°C±P°C,Pë PíC-Pr C±P°CÍ PIP°PiC-C,PSPsCÍC,C- P»PëC€Pµ CÍ CĤP°P·C-
PSP°PíP°P»CHPSPsC— PíPsC,CĤPµP±Pë.*

*PµPµCĤC-PsPr PiPsPrC¿PIP°PSPSCÍ PiCĤC¿PrPrCĤ. PĥP·C,CĤPµPsPSP°Pj PíPsC,CĤP°PíP»CÍC"
CÍ PíCĤCÍPrPSPµ PjPsP»PsPePs CÍ PeC-P»CHPePsCÍC,CÍC..., PjPµPSCëPëC... PSC-P¶ 1 %
PIC-Pr PePsPSC†PµPSC,CĤP°C†C-C— CÍ PeCĤPsPIC- PjP°C,PµCĤC-. P-C-PSPeP°Pj CÍP»C-Pr
CÍC,CĤPëPjCÍPIP°C,PëCÍCÍ PIC-Pr PiPsPrCÍPIP°PSPSCÍ PiCĤCÍPrPrCĤ PíC-Pr C±P°CÍ
PíCĤPsPíPµPrPµPSPSCÍ PeCÍCĤCÍCÍ C,PµCĤP°PíC-C— P°P·C,CĤPµPsPSP°PjPsPj.*

*P—PrP°C,PSC-CÍC,CH PíPíP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CÍC,CH CĤPµP°PeC†C-C— PíCĤPë
PePµCĤC¿PIP°PSPSC- P°PIC,PsC,CĤP°PSCÍPíPsCĤC,PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

*PíPµPNë P»C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± PjPsP¶Pµ P·PSP°C±PSPs PíPíP»PëPIP°C,Pë PSP°
P·PrP°C,PSC-CÍC,CH PePµCĤCÍPIP°C,Pë P°PIC,PsPjPsP±C-P»PµPj C,P°
PePsCĤPëCÍC,CÍPIP°C,PëCÍCÍ PjPµC...P°PSC-P·PjP°PjPë CÍ CĤP°P·C- PíPëPSPëPePSPµPSPSCÍ
PµPSC†PµC,,P°P»PsPíP°C,C-C— (PrPëPI. CĤPsP·PrC-P»Pë B«PhCÍPsP±P»PëPíPsCÍC,C-
P·P°CÍC,PsCÍCÍPIP°PSPSCÍB» C,P° B«PµPµCĤPµPrPsP·CÍPIP°PSPSCÍB»).*

PÝPíPsCÍC-P± P·P°CÍC,PsCÍC¿PIP°PSPSCÍ C,P° PrPsP·Pë.

*P>C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± P·P°CÍC,PsCÍPsPICÍPIP°C,Pë C€P»CÍC...PsPj
PíPSCÍC,CĤC-C€PSCĤPsPjBĤ™ CÍP·PsPíPsC— P°P±Ps PíPSCÍC,CĤC-C€PSCĤPsPíPµPSPSPsC—
C-PSBĤ™C"PeC†C-C— C±Pë PíPSCÍC,CĤC-C€PSCĤPsPíPµPSPSPsC— C-PSC,,CÍP·C-C—.
P'PSCÍC,CĤC-C€PSCĤPsPjBĤ™ CÍP·PsPíPs PíPíPsPrPëC,Pë P·P° PrPsPíPsPjPsPíPsCĤ
PíP»PëP±PsPePsC— C-PSBĤ™C"PeC†C-C— CÍ PíPµP»PëPeCÍ PjBĤ™ CÍP·PsPICÍ PjP°CÍCÍ,
C,P°PeCÍ CÍPe PíPµCĤC...PSC-PNë PePIP°PrCĤP°PSC, PíPµP»PëPePsPíPs CÍC-PrPSPëC±PSPsPíPs*

PjBTM C₁P·P° P°P±Ps P±C-C±PSCr C±P°C₁C,PëPSCr C₁C,PμPiPSP°.

P°PSC₁PsC₁P»C-

P°C-P°P₁P°P·PsPS PrPsP· P°P·C,C₁PμPsPSP°PjC₁C,P°PSPsPIPëC,CH PIC-Pr 1 PrPs 8 Pi PSP° PrPsP±C₁ C₁ C₁C-PiPSPs C₁PsP·P₁PsPrC-P»PμPSPëC... PrPsP·P°C.... P—PIPëC±P°PN₁PSP° PrPsP·P° C₁C,P°PSPsPIPëC,CH PIC-Pr 3 PrPs 4 Pi PSP° PrPsP±C₁. P°P°PëC₁PëPjP°P»CHPSP° C₁PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° B₁” 8 Pi PSP° PrPsP±C₁. P°P°P·C₁PIP°PSPSC₁ C,P° C₁PiPsC₁C-P± PIPiPμPrPμPSPSC₁ P₁PsPIPëPSPSC- PIPëP·PSP°C±P°C,PëC₁C₁ C±C₁C,P»PëPIC-C₁C,C₁ P·P±C₁PrPSPëPeC-PI, C,C₁PμP₁PeC-C₁C,C₁ C-PSC,,PμPeC₁C-C— C,P° C₁C,P°PSPsPj P₁P°C₁C-C”PSC,P°.

P PμPePsPjPμPSPPrPsPIP°PSC- PrPsP·Pë PrP»C₁ PrPsC₁PsC₁P»PëC...

P ₁ PëP ₁ C-PSC,,PμPeC ₁ C-C— ¹	P°P°P·C ₁ PIP°PSPSC ₁	P ₁ P°C ₁ C,PsC,P° (PiPsPrPëPSPë)	P ₁ P ₁ PsC ₁ C-P± PIPiPμPrPμPSPSC ₁
P ₁ PSC,,PμPeC ₁ C-C— C ₁ PμC±PsPIPëPIC-PrPSPëC... C ₁ P»C ₁ C...C-PI	500 PjPi P°P±Ps 1 Pi	8 P°P±Ps 12	PI/Pj P°P±Ps PI/PI
P°P°PSPsC ₁ PμC ₁ /C ₁ PëC ₁ C,PëC	1 Pi	PsPrPSP° PrPsP·P°	PI/Pj
P°P°P°P°P°PIC-C ₁ C ₁ PëPrPsP·	2 Pi	6B ₁ ”8	PI/PI
PμPsPjC-C ₁ PSPs C,C ₁ PμP ₁ PeC-C ₁ PëC ₁ C,PμPjPSC-C-PSC,,PμPeC ₁ C-C—	1 Pi P°P±Ps 2 Pi	8 P°P±Ps 12	PI/Pj P°P±Ps PI/PI
P ₁ C ₁ PμP ₁ PeC-C ₁ PëC ₁ C,PμPjPSC-C-PSC,,PμPeC ₁ C-C— P°P±Ps C-PSC,,PμPeC ₁ C-C—, C ₁ PμPeC-C ₁ C,P°PSPsPIP»C ₁ C,CH P·P°PiC ₁ PsP·C ₁ PrP»C ₁ P ₁ PëC,C,C ₁	2 Pi	6 P°P±Ps 8	PI/Pj P°P±Ps PI/PI
P ₁ PSCëC- C-PSC,,PμPeC ₁ C-C— P°P±Ps	1 Pi 2 Pi	8 12	PI/Pj P°P±Ps PI/PI PI/PI

¹ P₁PμC₁PμP· C,C₁PμP₁PePëPN₁ C...P°C₁P°PeC,PμC₁ C-PSC,,PμPeC₁C-PN₁, PIPëPeP»PëPeP°PSPëC... *Pseudomonas aeruginosa*, C₁PμPePsPjPμPSPPrC₁C,C₁CHC₁C₁ PrPsP·P° 2 Pi PePsP₁PSC- 6 P°P±Ps 8 PiPsPrPëPS, P₁C₁PëPSP°PN₁PjPSC- PrP»C₁ P₁PsC±P°C,PePsPIPsC— C,PμC₁P°P₁C-C— P₁C₁Pë C₁PëC₁C,PμPjPSPëC... C-PSC,,PμPeC₁C-C₁C..., PIPëPeP»PëPeP°PSPëC... C₁PëPj PjC-PëC₁PsPsC₁PiP°PSC-P·PjPsPj.

P°PSC₁C,C₁C-CëPSC₁PsPIPμPSPSPëPN₁ C₁PiPsC₁C-P± PIPiPμPrPμPSPSC₁ C₁PμPePsPjPμPSPPrC₁C,C₁CHC₁C₁ PrP»C₁ P₁P°C₁C-C”PSC,C-PI, C₁PμPeC-P₁PsC,C₁PμP±C₁C₁CH,C₁CH PsPrPSPsC₁P°P·PsPIPëC... PrPsP· P±C-P»CHCëPμ 1 Pi, P° C,P°PePsP₁ PrP»C₁ P₁P°C₁C-C”PSC,C-PI P· P±P°PeC,PμC₁C-P°P»CHPSPsC₁ C₁PμPiC,PëC₁PμPjC-C”C₁, P»PsPeP°P»C-P·PsPIP°PSPëPj P₁P°C₁PμPSC...C-PjP°C,PsP·PSPëPj P°P±C₁C₁PμC₁PsPj (PSP°P₁C₁PëPeP»P°Pr, PIPSC₁C,C₁C-CëPSC₁PsC±PμC₁PμPIPSPëPj P°P±C₁C₁PμC₁PsPj), P₁PμC₁PëC,PsPSC-C,PsPj, PjPμPSC-PSPiC-C,PsPj, C-PSCëPëPjPë C,C₁PμP₁PeCëPjPë C₁PëC₁C,PμPjPSPëPjPë C-PSC,,PμPeC₁C-C₁PjPë P°P±Ps C-PSC,,PμPeC₁C-C₁PjPë, C%₀Ps P·P°PiC₁PsP₁C₁C₁CH,P₁PëC,C,C₁.

P>C-C,PSC- PİP°C†C-C"PSC,Pë

PŸC,P°PS PSPëCĤPsPe C" PsCİPSPsPIPSpëPj C,,P°PeC,PsCĤPsPj, C%Ps PIPëP·PSP°C†P°C"
PrPsP·CİPİP°PSPSCİ PrP»Cİ P»CĤPrPµPNë P»C-C,PSCHbPsPiPs PIC-PeCİ; C†C-
PİP°C†C-C"PSC,Pë PjPsPİCİC,CHb PjP°C,Pë P·PSPëPİPµPSCİ C,,CİPSPeC†C-CĤ PSPëCĤPsPe.
PĤCĤPµP°C,PëPSC-PS CİPëCĤPsPIP°C,PePë PeCĤPsPIC- PSPµ PjPsPİPµ P±CİC,Pë C,PsC†PSPëPj
PİPsPeP°P·PSPëPePsPj CİC,P°PSCİ PSPëCĤPsPe. PŸPsPjCİ, CİPe C- PİCĤPë
P·P°CİC,PsCİCİPİP°PSPSC- PICİC-C... C-PSCëPëC... P°PSC,PëP±C-PsC,PëPeC-PI, C%Ps
PIPëPIPsPrCİC,CHbCİCİ PSPëCĤPeP°PjPë, CİP»C-Pr PIPëP·PSP°C†PëC,Pë PeP»C-CĤPµPSCİ
PeCĤPµP°C,PëPSC-PSCİ C,P°, PİCĤPë PSPµPsP±C...C-PrPSPsCİC,C-, PePsCĤPµPiCİPİP°C,Pë
PrPsP·Cİ.

P>C-C,PSC- PİP°C†C-C"PSC,Pë P·P°P·PIPëC†P°PNë PjP°CĤC,CHb PeP»C-CĤPµPSCİ
PeCĤPµP°C,PëPSC-PSCİ PİPsPSP°Pr 30 PjP»/C...PI, C,PsPjCİ PİPsPIPëPSPSC-
PsC,CĤPëPjCİPİP°C,Pë PSPsCĤPjP°P»CHbPSCİ CĤPµPePsPjPµPSPPrPsPIP°PSCİ PrPsP·Cİ.
PİPeC%Ps PeP»C-CĤPµPSCİ PeCĤPµP°C,PëPSC-PSCİ PSPëPİC†Pµ 30 PjP»/C...PI, CİC...PµPjCİ
PrPsP·CİPİP°PSPSCİ PSPµPsP±C...C-PrPSPs CİPePsCĤPµPiCİPİP°C,Pë (PrPëPI. CĤPsP·PrC-P»
B«PµPsCĤCİCëPµPSPSCİ C,,CİPSPeC†C-C— PSPëCĤPsPeB»).

PµPsCĤCİCëPµPSPSCİ C,,CİPSPeC†C-C— PSPëCĤPsPe

P'PëPIPµPrPµPSPSCİ P°P·C,CĤPµPsPSP°PjCİ C-P· CİPëCĤPsPIP°C,PePë PeCĤPsPIC- PjPsPİPµ
PİPsPrPsPIPİCİPİP°C,PëCİCĤ Cİ PİP°C†C-C"PSC,C-PI P· C,CĤP°PSP·PëC,PsCĤPSPsCĤ P°P±Ps
CİC,C-PNëPePsCĤ PSPëCĤPePsPIPsCĤ PSPµPrPsCİC,P°C,PSC-CİC,CĤ, C,PsPjCİ PİC-CİP»Cİ
P·PIPëC†P°PNëPSPsC— PİPsC†P°C,PePsPIPsC— PrPsP·Pë PrPsP·CİPİP°PSPSCİ
P°P·C,CĤPµPsPSP°PjCİ PSPµPsP±C...C-PrPSPs P·PjPµPSCëPëC,Pë PIPrPIC-C†C- PrP»Cİ
PİP°C†C-C"PSC,C-PI C-P· CĤC-PIPSµPj PeCĤPµP°C,PëPSC-PSCİ PIC-Pr 10 PrPs 30 PjP» / C...PI /
1,73 Pj².

PµP°C†C-C"PSC,P°Pj C-P· C,CİPİPµPePsCĤ PSPëCĤPePsPIPsCĤ PSPµPrPsCİC,P°C,PSC-CİC,CĤ
(PeP»C-CĤPµPSCİ PeCĤPµP°C,PëPSC-PSCİ PjPµPSCëPµ 10 PjP» / C...PI / 1,73 Pj²), C%Ps
P·PSP°C...PsPrCİC,CHbCİCİ PSP° PİPµPjPsPrC-P°P»C-P·C-, CİPİPsC†P°C,PeCİ CİP»C-Pr
PIIPsPrPëC,Pë P·PIPëC†P°PNëPSCİ PrPsP·Cİ. PµC-PrC,CĤPëPjCİCĤC†P° PrPsP·P° PjP°C"
CİC,P°PSPsPIPëC,Pë PsPrPSCİ C†PµC,PIPµCĤC,Cİ C†P°CİC,PëPSCİ P·PIPëC†P°PNëPSPsC—
PİPsC†P°C,PePsPIPsC— PrPsP·Pë, CİPeP° PİCĤPëP·PSP°C†P°C"C,CHbCİCİ P·C-
P·PIPëC†P°PNëPSPëPj C,,C-PeCİPsPIP°PSPëPj C-PSC,PµCĤPIP°P»PsPj 6, 8 P°P±Ps 12 PİPsPrPëPS.
P"P»Cİ CİPµCĤPNëPsP·PSPëC... C-PSC,,PµPeC†C-PNë P°P±Ps C-PSC,,PµPeC†C-PNë, C%Ps
P·P°PİCĤPsPİCİCĤC,CHb PİPëC,C,CĤ, PeCĤC-Pj PİC-PrC,CĤPëPjCİCĤC†PëC... PrPsP·,
PİC-CİP»Cİ PePsPİPSPsPiPs CİPµP°PSCİCİ PİPµPjPsPrC-P°P»C-P·Cİ CİP»C-Pr PIIPsPrPëC,Pë
PsPrPSCİ PİPsCİCĤPjCİ C†P°CİC,PëPSCİ PİPsC†P°C,PePsPIPsC— PrPsP·Pë.

PµPsCĤCİCëPµPSPSCİ C,,CİPSPeC†C-C— PİPµC†C-PSPePë

P"P»Cİ C,CĤPëPIP°P»PsPiPs P»C-PeCİPİP°PSPSCİ PİP°C†C-C"PSC,C-PI C-P·
C...CĤPsPSC-C†PSPëPjPë PİPsCĤCİCëPµPSPSCİPjPë C,,CİPSPeC†C-C— PİPµC†C-PSPePë P·
C†PëCĤPsP·PsPj CĤPµPePsPjPµPSPPrCİC"C,CHbCİCİ P·PjPµPSCëPëC,Pë PrPsP·Cİ PSP° 20BĤ"25
%, PsCİPSP±P»PëPIPs Cİ PIPëPİP°PrPeP°C... P°P»PePsPiPsP»CHbPSPsPiPs C†PëCĤPsP·Cİ C,P°
PePsP»Pë C,,CİPSPeC†C-Cİ PSPëCĤPsPe C,P°PePsPİ PİPsCĤCİCëPµPSP°.

P"C-C,Pë

P—PIPëC†P°PNëPSP° PrPsP·P° PrP»Cİ PrC-C,PµPNë PIC-PePsPj P±C-P»CHbCëPµ 1 C,PëPİPSCİ

БҲ” 30 PjPi/PePi PePsP¶PSC- 6 P°P±Ps 8 PiPsPrPëPS. Pj PIPëPïP°PrPeCf C,C¶P¶PePëC...
 C-PSC,,PµPeC†C-PNë PïP°C†C-C”PSC,P°Pj PIC-PePsPj PIC-Pr 2 CҲPsPeC-PI
 CҲPµPePsPjPµPSPrPsPIP°PSPs P·P°C†C,PsC†PsPICfPIP°C,Pë 50 PjPi/PePi PePsP¶PSC- 6 P°P±Ps 8
 PiPsPrPëPS. P PµPePsPjPµPSPrPsPIP°PSP° PrPsP·P° PrP»C¶ PIC†C-C... PïP°C†C-C”PSC,C-PI
 PïCҲPë P»C-PeCfPIP°PSPSC- C-PSC,,PµPeC†C-PNë, PIPëPeP»PëPeP°PSPëC... *P. aeruginosa*,
 C†C,P°PSPsPIPëC,CҲ 50 PjPi/PePi PePsP¶PSC- 6-8 PiPsPrPëPS.

PҲP°PeC†PëPjP°P»CHPSP° PrPsP±PsPIP° PrPsP·P° PrP»C¶ PrC-C,PµPNë PSPµ PïPsPIPëPSPSP°
 PïPµCҲPµPIPëC%oCfPIP°C,Pë PjP°PeC†PëPjP°P»CHPSCf CҲPµPePsPjPµPSPrPsPIP°PSCf PrPsP·Cf
 PrP»C¶ PrPsCҲPsC†P»PëC....

P†PSC,,PsCҲPjP°C†C-C¶ PïCҲPs PrPsP·CfPIP°PSPSC¶ PrP»C¶
 PSPsPIPSPSP°CҲPsPrP¶PµPSPëC... PIC-PePsPj PjPµPSC€Pµ 1 C,PëP¶PSC¶ PIC-PrC†CfC,PSC¶.

P’C-PrPSPsPIP»PµPSPSC¶

PµPsCҲPsC€PsPe PrP»C¶ CҲPsP·C†PëPSCf PrP»C¶ C-PSБҲ™C”PeC†C-PNë P°P±Ps
 C-PSC,,CfP·C-PNë P°P·C,CҲPµPsPSP°Pj 1 Pi PIPëPïCfC†PeP°C”C,CHC†C¶ Cf C,,P»P°PePsPSP°C...
 PïPs 20 PjP».

PµC-C†P»C¶ PrPsPrP°PIP°PSPSC¶ CҲPsP·C†PëPSPSPëPeP° PIPjC-C†C, C,,P»P°PePsPSP°
 C†P»C-Pr PSPµPïP°PNëPSPs C†PëP»CHPSPs C†C,CҲCfC†PëC,Pë.

PαP»P°PePsPSPë P· PIC-PrPSPsPIP»PµPSPëPj PïCҲPµPïP°CҲP°C,PsPj PïCҲPëP·PSP°C†PµPSC-
 C,C-P»CHPePë PrP»C¶ PsPrPSPsCҲP°P·PsPIPsPiPs PIPëPePsCҲPëC†C,P°PSPSC¶; P±CfPrCH-
 C¶PePëPNë P·P°P»PëC€PsPe CҲPsP·C†PëPSCf PïC-C†P»C¶ PIPµPrPµPSPSC¶ PsPrPSC-C”C—
 PrPsP·Pë PjP°C” P±CfC,Pë CfC,PëP»C-P·PsPIP°PSPëPNë.

P—P°P»PµP¶PSPs PIC-Pr C,PëPïCf C,P° PeC-P»CHPePsC†C,C- CҲPsP·C†PëPSPSPëPeP° CҲPќ
 PePsP»PëPIP°C”C,CHC†C¶ PIC-Pr 4,5 PrPs 7,5, P° PePsP»C-CҲ PjPsP¶Pµ PIP°CҲC-CHPIP°C,Pë
 PIC-Pr P±PµP·P±P°CҲPIPSPsPiPs PrPs P·P»PµPiPeP° P¶PsPIC,Ps-C†PsP»PsPjБҲ™C¶PSPsPiPs
 PePsP»CHPsCҲCf, C%oPs PjPsP¶Pµ PSP°P±CfC,Pë PSPµP·PSP°C†PSPsPiPs CҲPsP¶PµPIPsPiPs
 PIC-PrC,C-PSPeCf PïCҲPë PIC-PrC†C,PsCҲPIP°PSPSC-, PsPrPSP°Pe C†Pµ PSPµ PIPïP»PëPIP°C”
 PSP° PNëPsPiPs PµC,,PµPeC,PëPIPSC-C†C,CH.

P”P»C¶ PIPSCfC,CҲC-C€PSCҲPsPjБҲ™C¶P·PsPIPsC— C-PSБҲ™C”PeC†C-C—: PSP°
PePsP¶PSPëPNë PïCҲP°Pj P°P·C,CҲPµPsPSP°PjCf PrPsPrP°C,Pë PïCҲPëPSP°PNëPjPSC- 3 PjP»
PIPsPrPë PrP»C¶ C-PSБҲ™C”PeC†C-PNë P°P±Ps 0,9 % PSP°C,CҲC-CH C...P»PsCҲPëPrCf PrP»C¶
C-PSБҲ™C”PeC†C-C— C- PrPsP±CҲPµ C†C,CҲCfC†PëC,Pë.

<u>PαP»P°PePsPS P·</u>	<u>PҲP±БҲ™C”Pj CҲPsP·C†PëPSPSPëPeP°, C¶PePëPNë</u>
<u>PsPrPSPsCҲP°P·PsPIPsCҲ PrPsP·PsCҲ</u>	<u>C†P»C-Pr PrPsPrP°C,Pë</u>
0,5 Pi	1,5 PjP»
1,0 Pi	3,0 PjP»

P”P»C¶ PIPSCfC,CҲC-C€PSCҲPsPIPµPSPSPsC— C-PSБҲ™C”PeC†C-C—: PrPs PIPjC-C†C,Cf
C,,P»P°PePsPSP° PrPsPrP°C,Pë 6БҲ”10 PjP» PIPsPrPë PrP»C¶ C-PSБҲ™C”PeC†C-PNë C-
PrPsP±CҲPµ C†C,CҲCfC†PëC,Pë. PµPsPIC-P»CHPSPs PIPsPrPëC,Pë
P±PµP·PïPsC†PµCҲPµPrPSCҲPs Cf PIPµPSCf PïCҲPsC,C¶PiPsPj 3БҲ”5 C...PIPëP»PëPS.

P”P»C¶ PIPSCfC,CҲC-C€PSCҲPsPIPµPSPSPsC— C-PSC,,CfP·C-C—: PSP° PePsP¶PSPëPNë
PïCҲP°Pj P°P·C,CҲPµPsPSP°PjCf PrPsPrP°C,Pë PïCҲPëPSP°PNëPjPSC- 3 PjP» PIPsPrPë PrP»C¶
C-PSБҲ™C”PeC†C-PNë C- PrPsP±CҲPµ C†C,CҲCfC†PëC,Pë. PµPNë PIPëC...C-PrPSPëPNë

C₇H₅PsP·C₄P₆PS P_iPsC, C₇H₅C-P_±PSPs C₇H₅PsP·PIP_μC₁C, P₆ PIC-PrP_iPsPIC-PrPSP₆Pj
C-PSC,, C₁P·C-PN₆PSP₆Pj C₇H₅PsP·C₄P₆PSPsPj PrPs PeC-PSC₄P_μPIP₅C—
PePsPSC₄P_μPSC, C₇H₅P^oC₄C—, PjP_μPSC₆PsC— PSC-P_¶ 2 % PjP^oC₁./PsP_±.
(C_∞PsPSP^oPN₆PjP_μPSC₆P_μ 50 PjP» C₇H₅PsP·C₄P₆PSC₁ PSP^o PiC₇H₅P^oPj P^oP·C, C₇H₅P_μPsPSP^oPjC₁).
P₄PSC,, C₁P·C-C₇ C₁P»C-Pr PiC₇H₅PsPIP₅PrP₆C, P₆ PiC₇H₅PsC, C₁PiPsPj 20B₇“60 C...PIP₆P»P₆PS.

P'C-PrP_iPsPIC-PrPSC- C-PSC,, C₁P·C-PN₆PSC- C₇H₅PsP·C₄P₆PSP₆:

0,9 % C₇H₅PsP·C₄P₆PS PSP^oC, C₇H₅C-C₇ C...P»PsC₇H₅P₆PrC₁ PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆;

5 % C₇H₅PsP·C₄P₆PS PiP»C₇H₅PePsP·P₆ PrP»C₁ PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsC—
C-PSC,, C₁P·C-C—;

5 % P^oP_±Ps 10 % PjP^oPSC-C, PsP» PrP»C₁ PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsC—
C-PSC,, C₁P·C-C—;

P»P^oPeC, P^oC, PSP^oC, C₇H₅C-C₇ PrP»C₁ PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsC— C-PSC,, C₁P·C-C—;

0,9 %, 0,45 % P^oP_±Ps 0,2 % C₇H₅PsP·C₄P₆PS PSP^oC, C₇H₅C-C₇ C...P»PsC₇H₅P₆PrC₁ C, P^o 5 %
C₇H₅PsP·C₄P₆PS PiP»C₇H₅PePsP·P₆ PrP»C₁ PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsC—
C-PSC,, C₁P·C-C—;

C₇H₅PsP·C₄P₆PS P C-PSPi_μC₇H₅P^o PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆;

C₇H₅PsP·C₄P₆PS P”P^oC₇H₅C, PjP^oPSP^o PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆.

P₆P^oP_±C-C₇ PrP»C₁ C₇H₅P_μPiC₁P»C₇H₅PIP^oPSPSC₁ PsP_±B₇TMC”PjC₁ PIPiP_μPrP_μPSPSC₁ PjPsP_¶P_μ
PIP₆PePsC₇H₅P₆C₁C, PsPIC₁PIP^oC, P₆C₁C₁ PrP»C₁ PIPiP_μPrP_μPSPSC₁ PIP₆C...C-PrPSPsPiPs
C₇H₅PsP·C₄P₆PSC₁ P^oP·C, C₇H₅P_μPsPSP^oPjC₁ PI C₁C₁PjC-C₁PSP₆PN₆ C-PSC,, C₁P·C-PN₆PSP₆PN₆
C₇H₅PsP·C₄P₆PS. P₆PsP»P₆ P·P^oC₁C, PsC₁PsPIC₁C”C, C₇H₅C₁C₁ Y-C, C₇H₅C₁P_±P^o PrP»C₁
PIPiP_μPrP_μPSPSC₁, C₁P»C-Pr PiC₇H₅P₆PrC-P»C₁C, P₆ PsC₁PsP_±P»P₆PIC₁ C₁PIP^oPiC₁
C₇H₅PsP·C₇H₅P^oC...C₁PSP₆C₁ PsP_±B₇TMC”PjC₁ C₇H₅PsP·C₄P₆PSC₁ P^oP·C, C₇H₅P_μPsPSP^oPjC₁,
PSP_μPsP_±C...C-PrPSPsPiPs PrP»C₁ PIPiP_μPrP_μPSPSC₁ PIC₁C-C”C— PrPsP·P₆.

P'PSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSC- C-PSC,, C₁P·C-PN₆PSC- C₇H₅PsP·C₄P₆PSP₆
P^oP·C, C₇H₅P_μPsPSP^oPjC₁ PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆, PiC₇H₅P₆PiPsC, PsPIP^oPSC- P· 0,9 %
C₇H₅PsP·C₄P₆PSPsPj C...P»PsC₇H₅P₆PrC₁ PSP^oC, C₇H₅C-C₇ PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆ P^oP_±Ps 5 %
PiP»C₇H₅PePsP·PsC₇ PrP»C₁ PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsPiPs PIPiP_μPrP_μPSPSC₁, C₁
P_μP'P₁ P^oP_±Ps C₁P₆P»C₁PSC-PN₆ C, P^oC₇H₅C-, PrPs C₁P₆P₆C... PrPsPrP^oPIP^oP»P₆
PeP»C-PSP₁P^oPjC-C₄P₆PSC₁ C,, PsC₁C,, P^oC,, PiP_μPSC, P^oPjC-C₄P₆PSC₁ C₁C₁P»C₇H₅C,, P^oC,,
C, PsP_±C₇H₅P^oPjC-C₄P₆PSC₁ C₁C₁P»C₇H₅C,, P^oC, P^oP_±Ps C₄P_μC,, P^oP·PsP»C-PS PSP^oC, C₇H₅C-C₇ PI
PePsPSC₄P_μPSC, C₇H₅P^oC₄C-C₁C..., C₁P₆C- P·P^oP·PIP₆C₄P^oPN₆ P·P^oC₁C, PsC₁PsPIC₁C₇H₅C, C₇H₅C₁C₁
PeP»C-PSC-C₄PSPs, P·P_±P_μC₇H₅C-PiP^oC₇H₅C, C₇ C₁PIPsC₇ C₁C, P^oP_±C-P»C₇H₅PSC-C₁C, C₇H₅
PiC₇H₅PsC, C₁PiPsPj 24 PiPsPrP₆PS C₁ C...PsP»PsPrP₆P»C₇H₅PSP₆PeC₁ (2B₇“8 B°P₇). P₇C₁PjC-C₆
P^oPjP₁C-C₄P₆P»C-PSC₁ PSP^oC, C₇H₅C-C₇ P· P^oP·C, C₇H₅P_μPsPSP^oPjPsPj C₁ 0,9 % C₇H₅PsP·C₄P₆PSC-
C...P»PsC₇H₅P₆PrC₁ PSP^oC, C₇H₅C-C₇ PrP»C₁ C-PSB₇TMC”PeC₄C-PN₆ P·P_±P_μC₇H₅C-PiP^oC” C₁PIPsC₇
C₁C, P^oP_±C-P»C₇H₅PSC-C₁C, C₇H₅ PiC₇H₅PsC, C₁PiPsPj 24 PiPsPrP₆PS C₁
C...PsP»PsPrP₆P»C₇H₅PSP₆PeC₁ (2B₇“8 B°P₇); 5 % PiP»C₇H₅PePsP·P^o PrP»C₁
PIPSC₁C, C₇H₅C-C₆PSCH₅PsPIP_μPSPSPsPiPs PIPiP_μPrP_μPSPSC₁ P·P_±P_μC₇H₅C-PiP^oC” C₁PIPsC₇
C₁C, P^oP_±C-P»C₇H₅PSC-C₁C, C₇H₅ PiC₇H₅PsC, C₁PiPsPj 8 PiPsPrP₆PS C₁
C...PsP»PsPrP₆P»C₇H₅PSP₆PeC₁.

Pj C₇H₅P^oP·C-, C₁P₆C_∞Ps P^oP·C, C₇H₅P_μPsPSP^oPj C, P^o PjP_μC, C₇H₅PsPSC-PrP^oP·PsP» PjP^oC₇H₅C, C₇H₅

PIPëPePsCĤPëCíC,PsPICíPIP°C,PëCíCĬ CĤP°P·PsPj, C,Ps C—C... CíP»C-Pr PIPsPrPëC,Pë PsPeCĤPµPjPs, PsCíPeC-P»CHPePë PíC-CíP»CĬ P·P±PµCĤC-PiP°PSPSCĬ CĤPsP·C‡PëPSC-PI, C%Ps PjC-CíC,CĬC,CH PePsPjP±C-PSP°C†C-C— PrPIPsC... PíCĤPsPrCíPeC,C-PI, PIPëPSPëPeP°C” PIPëCëPSPµPIPs-C‡PµCĤPIPsPSPµ P·P°P±P°CĤPIP»PµPSPSCĬ.

P’CíPrCH-CĬPePëPNë PSPµPIPëPePsCĤPëCíC,P°PSPëPNë P»C-PeP°CĤCíCHPePëPNë P·P°CíC-P± P°P±Ps PIC-PrC...PsPrPë PjP°CĤC,CH P±CíC,Pë CíC,PëP»C-P·PsPIP°PSC- PIC-PrPíPsPIC-PrPSPs PrPs C‡PëPSPSPëC... PIPëPjPsPi.

P”C-C,Pë.

P”P°PSC- C%PsPrPs P±PµP·PíPµPePë C,P° PµC,,PµPeC,PëPIPsPsCíC,C- P°P·C,CĤPµPsPSP°PjCí PrP»CĬ PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... PIC-PePsPj PrPs 1 C,PëP¶PSCĬ PsP±PjPµP¶PµPSC-, C,PsPjCí PrPsC†C-P»CHPSC-CíC,CH P·P°CíC,PsCíCíPIP°PSPSCĬ P»C-PeP°CĤCíCHPePsPiPs P·P°CíPsP±Cí PĥP·PµPsPSP°Pj C,P°PePëPj PíP°C†C-C”PSC,P°Pj PíPsC,CĤPµP±CíC” CĤPµC,PµP»CHPSPsC— PsC†C-PSPëPë.

PµPµCĤPµPrPsP·C¿PIP°PSPSCĬ.

PÿPµCĤP°PíC-CĬ C-P· P·P°CíC,PsCíCíPIP°PSPSCĬPj P±PµC,P°-P»P°PeC,P°PjC-PI, PIPëP»CĤC‡P°CĤC‡Pë P°P·C,CĤPµPsPSP°Pj, PjPsP¶Pµ CíPíCĤPëC‡PëPSPëC,Pë PµPSC†PµC,,P°P»PsPíP°C,C-CĤ (PSP°PíCĤPëPeP»P°Pr, CíPíP»CíC,P°PSC-CíC,CH CíPIC-PrPsPjPsCíC,C-, PíPsCĤCíCëPµPSPSCĬ CíPIC-PrPsPjPsCíC,C-, PµPíC-P»PµPíCíC-CĬ, PíPsCĤCíCëPµPSPSCĬ CĤCíC...Cí), PsCíPsP±P»PëPIPs Cí PíP°C†C-C”PSC,C-PI C-P· PíPsCĤCíCëPµPSPSCĬPjPë C,,CíPSPeC†C-C— PSPëCĤPsPe C,P° PSP° C,P»C- PíPµCĤPµPrPsP·CíPIP°PSPSCĬ P±PµC,P°-P»P°PeC,P°PjC-PI.

PµCĤPs PIPëPíP°PrPePë PíPµCĤPµPrPsP·CíPIP°PSPSCĬ PSPµ PíPsPIC-PrPsPjP»CĬP»PsCíCĬ. PµCĤPë PSPµPsP±C...C-PrPSPsCíC,C- P°P·C,CĤPµPsPSP°Pj PjPsP¶Pµ P±CíC,Pë PIPëPrP°P»PµPSPëPNë C-P· CíPëCĤPsPIP°C,PePë PeCĤPsPIC- CëP»CĬC...PsPj PiPµPjPsPrC-P°P»C-P·Cí C,P°/P°P±Ps PíPµCĤPëC,PsPSPµP°P»CHPSPsPiPs PrC-P°P»C-P·Cí. PÿP°PePsP¶ P°P·C,CĤPµPsPSP°Pj PjPsP¶Pµ P±CíC,Pë PIPëPrP°P»PµPSPëPNë C-P· CíPëCĤPsPIP°C,PePë PeCĤPsPIC- CëP»CĬC...PsPj P±PµP·PíPµCĤPµCĤPIPsPSC— P°CĤC,PµCĤC-PsPIPµPSPsP·PSPsC— PiPµPjPsC,,C-P»CHC,CĤP°C†C-C—.

-

PµPsP±C-C‡PSC- CĤPµP°PeC†C-C—.

PµPsP±C-C‡PSC- CĤPµP°PeC†C-C— PSP°PIPsPrCĬC,CHCíCĬ P·P° CíPëCíC,PµPjP°PjPë PsCĤPiP°PSC-PI PIC-PrPíPsPIC-PrPSPs PrPs MedDRA [PĥPµPrPëC‡PSPëPNë CíP»PsPIPsPëPe PrP»CĬ CĤPµPiCíP»CĬC,PsCĤPSPsC— PrC-CĬP»CHPSPsCíC,C-]. B PşP°CíC,PsC,P° PIPëP·PSP°C‡P°C”C,CHCíCĬ P·P° C,P°PePëPjPë PeP°C,PµPiPsCĤC-CĬPjPë: PrCíP¶Pµ C‡P°CíC,Ps (≥1/10); C‡P°CíC,Ps (≥1/100 <1/10); PSPµC‡P°CíC,Ps (≥1/1000 <1/100); CĤC-PrPePs (≥1/10000 <1/1000); PrCíP¶Pµ CĤC-PrPePs (<1/10000); C‡P°CíC,PsC,P° PSPµPIC-PrPsPjP° (PSPµPjPsP¶P»PëPIPs PsC†C-PSPëC,Pë P·P° PSP°CĬPIPsPëPjPë PrP°PSPëPjPë).

PŸPëCíC,PµPjPë PsCĤPiP°PSC-PI P— P±PsPeCr PeCĤPsPIC- C,P° P»C-PjC,,P°C,PëC‡PSPsC— CíPëCíC,PµPjPë	P§P°CíC,PsC,P° P C-PrPePs	PŸPµCĤPjC-PS MedDRA PµP°PSC‡PëC,PsPiPµPSC-Cıı ¹ , C,CĤPsPjP±PsC‡PëC,PsPiPµPSC-Cıı, C,CĤPsPjP±PsC‡PëC,PµPjC-Cıı, P»PµPNëPePsC‡PëC,PsP·, PSPµPNëC,CĤPsPiPµPSC-Cıı, PµPsP·PëPSPsC,,C-P»C-Cıı, P°PSPµPjC-Cıı, PiPsPrPsPIP¶PµPSPSCıı PiCĤPsC,CĤPsPjP±C-PSPsPiPsPiPs C‡P°CíCí, PiPsPrPsPIP¶PµPSPSCıı P°PeC,PëPIPsPIP°PSPsPiPs C‡P°CíC,PePsPiPsPiPs C,CĤPsPjP±PsPiP»P°CíC,PëPSPsPiPsPiPs C‡P°CíCí, PiPsP·PëC,PëPIPSP° CĤPµP°PeC‡C-Cıı PµCíPjP±CíP° ¹
P— P±PsPeCr PsCĤPiP°PSC-PI CíP»CíC...Cí C,P° P»P°P±C-CĤPëPSC,Cí	P C-PrPePs	P'PµCĤC,PëPiPs, CëCíPj Cí PICíC...P°C...
P— P±PsPeCr PsCĤPiP°PSC-PI P·PsCĤCí	P C-PrPePs	P''PëPiP»PsPiC-Cıı
P— P±PsPeCr CëP»CíPSPePsPiPs- PePëCëPePsPiPs C,CĤP°PeC,Cí	P C-PrPePs P§P°CíC,PsC,P° PSPµPIC-PrPsPjP°	PëP»CíPSPePsPiPs-PePëCëPePsPIP° PeCĤPsPiPsC,PµC‡P°, PiCíPµPIPrPsPjPµPjP±CĤP°PSPsP·PSPëPNë PePsP»C-C, ¹ P·P°PiP°C... C-P· CĤPsC,P° P'C-P»CH Cí P¶PëPIPsC,C-, PIPëCĤP°P·PePë PI CĤPsC,C-, PSCíPrPsC,P°, P±P»CĤPIP°PSPSCıı, PrC-P°CĤPµCıı, P·PjC-PSP° CíPjP°PeCí
P— P°PiP°P»CHPSC- CĤPsP·P»P°PrPë C,P° CĤPµP°PeC‡C-C— Cí PjC-CíC‡C- PIPIPµPrPµPSPSCıı	P C-PrPePs P§P°CíC,PsC,P° PSPµPIC-PrPsPjP°	P'C-P»CH Cí PiCĤCíPrCııC..., PiC-PiPµCĤC,PµCĤPjC-Cıı, P°CíC,PµPSC-Cıı, PSPµP·PrCíP¶P°PSPSCıı P''PëCíPePsPjC,,PsCĤC, Cí PjC-CíC‡C- C-PSBĤ™C''PeC‡C-C—, CíP»P°P±PeC-CíC,CH, PiC-PrPIPëC%PµPSP° PiC-C,P»PëPIC-CíC,CH, P±C-P»CH Cí PjBĤ™CııP·P°C..., PiC-PrPIPëC%PµPSPSCıı C,PµPjPiPµCĤP°C,CíCĤPë C,C-P»P°, C,PëPjC‡P°CíPsPiPµ PiC-PrPIPëC%PµPSPSCıı CĤC-PIPSCıı PeCĤPµP°C,PëPSC-PSCí PI CíPëCĤPsPIP°C,C‡C- PeCĤPsPIC-
P— P±PsPeCr PiPµPiP°C,PsP±C-P»C-P°CĤPSPsC— CíPëCíC,PµPjPë	P C-PrPePs P§P°CíC,PsC,P° PSPµPIC-PrPsPjP°	P''PµPiP°C,PëC,, P¶PsPIC,CııPSPëC‡Cıı PµC-PrPIPëC%PµPSPSCıı CĤC-PIPSCıı C,CĤP°PSCíP°PjC-PSP°P·*, P·P±C-P»CHCëPµPSPSCıı CĤC-PIPSCıı P»CíP¶PSPsC— C,,PsCíC,,P°C,P°P·Pë PI PeCĤPsPIC-*
P‡PSC,,PµPeC‡C-C— C,P° C-PSPIP°P·C-C—	P C-PrPePs	P'P°PiC-PSC-C,, PIP°PiC-PSP°P»CHPSPëPNë PeP°PSPPrPëPrPsP·
P— P±PsPeCr C-PjCíPSPSPsC— CíPëCíC,PµPjPë	P§P°CíC,PsC,P° PSPµPIC-PrPsPjP°	PĤPSP°C,,C-P»P°PeC,PëC‡PSP° CĤPµP°PeC‡C-Cıı
P'PiP»PëPI PSP° CĤPµP·CíP»CHC,P°C,Pë PrPsCíP»C-PrP¶PµPSCH	P C-PrPePs	P—PjC-PSPë PSP° PµP»PµPeC,CĤPsPeP°CĤPrC-PsPiCĤP°PjC-

P— P±PsPeCf CÍPePμP»PμC,PSPsC— PjCfCÍPeCfP»P°C,CfCḡPë, CÍPiPsP»CfC†PSPsC— C,PεP°PSPëPSPë C— PeC—CÍC,PSPe	P C-PrPePs	PḡC-P°P»PiC-Cİİ
P— P±PsPeCf PSPμCḡPIPsPIPsC— CÍPëCÍC,PμPjPë	P C-PrPePs PḡP°CÍC,PsC,P° PSPμPIC-PrPsPjP°	PŸCfPrPsPjPë ¹ , PiP°CḡPμCÍC,PμP·C-Cİİ, P·P°PiP°PjPsCḡPsC†PμPSPSCİİ, PiPsP»PsPIPSPëPNε P±C-P»CHḡ P°PëCÍPiPμPIP·C-Cİİ P·PSC†PμC,,P°P»PsPiP°C,C-Cİİ (CÍPiP»CfC,P°PSC—CÍC,CHḡ CÍPIC-PrPsPjPsCÍC,C-, CÍC,P°PS P·PjC-PSPμPSPsC— CÍPIC-PrPsPjPsCÍC,C-, PμPiC-P»PμPiCÍC-Cİİ, PiPsCḡCfCεPμPSPSCİİ CḡCfC...Cf)
PμCÍPëC...C-C†PSC- CḡPsP·P»P°PrPë	P C-PrPePs	PŸPiP»CfC,P°PSC—CÍC,CHḡ CÍPIC-PrPsPjPsCÍC,C-, P±PμP·CÍPsPSPSCİİ
P— P±PsPeCf PSPëCḡPsPe C,P° CÍPμC†PsPIPëPrC-P»CHḡPSPsC— CÍPëCÍC,PμPjPë	PḡPμC†P°CÍC,Ps	PμC-PrPIPëC‰PμPSPSCİİ CḡC-PIPSCİİ PeCḡPμP°C,PëPSC-PSCf PI PeCḡPsPIC-
P— P±PsPeCf CḡPμPiCḡPsPrCfPeC,PëPIPSPsC— CÍPëCÍC,PμPjPë C,P° PjPsP»PsC†PSPëC... P·P°P»PsP·	P C-PrPePs	PḡP°PiCḡCfP±P°PSPSCİİ PjPsP»PsC†PSPëC... P·P°P»PsP·
P— P±PsPeCf PsCḡPiP°PSC-PI PrPëC...P°PSPSCİİ, PiCḡCfPrPSPsC— PeP»C-C,PePë C,P° CÍPμCḡPμPrPsCÍC,C-PSPSCİİ	P C-PrPePs PḡP°CÍC,PsC,P° PSPμPIC-PrPsPjP°	PİCḡPëPiPë, PrPëCÍPiPSPsPμ, C†C...P°PSPSCİİ, P·P°PeP»P°PrPμPSC—CÍC,CHḡ PSPsCÍP° P·CḡPsPSC...PsCÍPiP°P·Pj
P— P±PsPeCf CεPeC-CḡPë C,P° PiC-PrCεPeC-CḡPSPsC— PeP»C-C,PePsPIPëPSPë	PḡP°CÍC,PsC,P° PSPμPIC-PrPsPjP°	PŸPsPeCÍPëC†PSPëPNε PμPiC-PrPμCḡPjP°P»CHḡPSPëPNε PSPμPeCḡPsP»C-P· ¹ , P°PSPiC-PsPSPμPICḡPsC,PëC†PSPëPNε PSP°P±CḡCİİPe, PjCfP»CHḡC,PëC,,PsCḡPjPSP° PμCḡPëC,PμPjP°, PμPeCÍC,,PsP»C-P°C,PëPIPSPëPNε PrPμCḡPjP°C,PëC,, PiC-PiPμCḡPiC-PrCḡPsP·, PiPμC,PμC...C-C—, PiCfCḡPiCfCḡP°, PeCḡPsPiPëPiBḡ™ CİPSPeP°, PIPëCÍPëPiP°PSPSCİİ, CÍPIPμCḡP±C-P¶
P— P±PsPeCf CÍPμCḡC†PμPIPs- CÍCfPrPëPSPSPsC— CÍPëCÍC,PμPjPë	P C-PrPePs PḡP°CÍC,PsC,P° PSPμPIC-PrPsPjP°	P°C-PiPsC,PμPSP·C-Cİİ, PeCḡPsPIPsC,PμC†P° PαP»PμP±C-C,, C,CḡPsPjP±PsC,,P»PμP±C-C,, PiCḡPëPiP»PëPIPë

* P—P°P·PIPëC†P°PNε PsP±PsCḡPsC,PSPμ PiC-Pr C†P°CÍ C,PμCḡP°PiC-C— C,P° P±PμP·
CİİPIPSPëC... PsP·PSP°Pe P°P±Ps CÍPëPjPiC,PsPjC-PI PiPμPiP°C,PsP±C-P»C-P°CḡPSPsC—
PrPëCÍC,,CfPSPeC†C-C—.

¹ P°PëPI. CḡPsP·PrC-P» B«PḡCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCfPiP°PSPSCİİB».

PμPsPIC-PrPsPjP»PμPSPSCİİ PiCḡPsB PiPsP±C-C†PSC- CḡPμP°PeC†C-C—

$$\begin{aligned} & \text{P}_{\text{u}}\text{Ps } 1 \text{ P}_{\text{i}} \text{ P}_{\text{i}}\text{C}_{\text{H}}\text{P}_{\text{u}}\text{P}_{\text{i}}\text{P}^{\circ}\text{C}_{\text{H}}\text{P}^{\circ}\text{C}, \text{C}_{\text{r}} \text{ C}_{\text{r}} \text{ C}_{\text{I}}\text{P}_{\text{e}}\text{P} \gg \text{C}_{\text{I}}\text{PSPsP}_{\text{j}}\text{C}_{\text{r}} \text{ C}_{\text{,,}}\text{P} \gg \text{P}^{\circ}\text{P}_{\text{e}}\text{PsPSC-}, \text{C}_{\text{\%}}\text{Ps} \\ & \text{P-P}^{\circ}\text{P}_{\text{e}}\text{C}_{\text{H}}\text{P}_{\text{e}}\text{PIP}^{\circ}\text{C}^{\circ}\text{C}, \text{C}_{\text{H}}\text{C}_{\text{I}}\text{C}_{\text{I}} \text{ P}_{\text{i}}\text{C}_{\text{r}}\text{P}_{\text{j}}\text{PsPIP}_{\text{s}}\text{C}_{\text{H}} \text{ P}_{\text{i}}\text{C}_{\text{H}}\text{PsP}_{\pm}\text{P}_{\text{e}}\text{PsC}_{\text{H}} \text{ C}, \text{P}^{\circ} \text{ P}^{\circ}\text{P} \gg \text{C}_{\text{H}}\text{P}_{\text{j}}\text{C-PSC-C}^{\circ}\text{PIP}_{\text{e}}\text{P}_{\text{j}} \end{aligned}$$

PePsPIPI°C‡PePsPj C-P· PePsPjPīPsPSPμPSC,PsPj B«C,,P»C-Pī-PsC,,B», PīPs PsPrPSPsPjCř
C,,P»P°PePsPSCř PI PePsCĤPsP±C†C-.

PљP°C,PμPiPsCĤC-CĬ PIC-PrPīCřCĬPeCř. P—P° CĤPμC†PμPīC,PsPj.

B

P’PëCĤPsP±PSPëPe.

"P’PμPSCřCĬ P PμPjPμPrC-CĬ P>C-PjC-C,PμPr".

**PњC-CĬC†PμP·PSP°C...PsPrP¶PμPSPSCĬ PIPëCĤPsP±PSPëPeP° C,P° P°PrCĤPμCĬP°
PjC-CĬC†CĬ PīCĤPsPIP°PrP¶PμPSPSCĬ P№PsPiPs PrC-CĬP»CHъPSPsCĬC,C-.**

PĬC-P» PŷPsPī P†PSPrCřCĬC,CĤC-P°P» P·CĬC,PμPNєC,, P”P¶P°CĤPjP°PrP¶P°CĤC-, P·P P†P
PαP°P·Pμ-1 (P·PeCĬC,PμPS.), P’P°C,PsP»C- PљP°P»P°PS, P’P°PrPrC-, P”C-CĬC,.. PŷPsP»P°PS,
PĬC-PjP°C‡P°P» PıCĤP°PrPμC€, 173205, P†PSPrC-CĬ.

P—P°CĬPIIPSPëPe.

PĥPSP°PSC,P° PњPμPrC-PePμP°CĤ P>C,Pr.

PњC-CĬC†PμP·PSP°C...PsPrP¶PμPSPSCĬ P·P°CĬPIIPSPëPeP°.

PŸCHъCHъC, 1, 2 PŸC,PμPNєC€PS PљPsCĤC,, P†PjPīPμCĤC-P°P» P’P°CĤC,,, PŷP°CřPSPjPμPr
P PsP°Pr, PαCřP»C...P°Pj, P>PsPSPrPsPS, P’PμP»PëPeP° P’CĤPëC,P°PSC-CĬ.