

PαP°CḡPjP°PePsP»PsPiC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-.

PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°.

P•CÍC†PëC,P°P»PsPíCḡP°Pj бḡ“ C†Pμ CÍPμP»PμPeC,PëPIPsPëPNë C-PSPiC-P±C-C,PSCḡ
P·PIPsCḡPsC,PSPsPiPs P·P°C...PsPíP»PμPSPSCÍ CÍPμCḡPsC,PSPSC-PSCr (PŸP†P—P—PŸ), C%Ps
C...P°CḡP°PeC,PμCḡPëP·CÍC”C,CHCÍCÍ PIPëCÍPSPePsCḡ P°C,,C-PSPSC-CÍC,Cḡ PrPs
PsCÍPSPsPIPsPSPsPiPs P·PIбḡ™ CÍP·CÍCḡC‡PsPiPs CÍP°PNëC,Cr. P’C-PS C,P°PePsP¶
P·PIбḡ™ CÍP·CÍC”C,CHCÍCÍ P· P°P»PsCÍC,PμCḡPëC‡PSPëPj CÍP°PNëC,PSPj
C,CḡP°PSCÍPíPsCḡC,PμCḡP° CÍPμCḡPsC,PSPSC-PSCr, PíCḡPë C†CHPsPjCr
P°C,,C-PSPSC-CÍC,CH PrPs C†C-C”C— PrC-P»CÍPSPePë Cr

1000 CḡP°P·C-PI PSPëP¶C‡P°.

P•CÍC†PëC,P°P»PsPíCḡP°Pj PSPμ PjP°C” P·PsPICÍC-Pj P°P±Ps PjP°C” PrC†P¶Pμ CÍP»P°P±PeC†
P·PrP°C,PSC-CÍC,CH P·PIбḡ™ CÍP·CÍPIP°C,PëCÍCÍ P· PSPëP·PePsCḡ CḡPμC†PμPíC,PSCḡC-PI,
PIPeP»CḡC‡P°CḡC‡Pë CÍPμCḡPsC,PSPSC-PSPsPIC- 5-HT_{1Ph}, 5-HT₂-CḡPμC†PμPíC,PSCḡPë,
PrPsC,,P°PjC-PSPsPIC- D₁- C- D₂-CḡPμC†PμPíC,PSCḡPë, α₁-, α₂-, β-P°PrCḡPμPSPμCḡPiC-C‡PSC-
CḡPμC†PμPíC,PSCḡPë, PiC-CÍC,P°PjC-PSPsPIC- H₁-, Pḡ-C...PsP»C-PSPsCḡPμC†PμPíC,PSCḡPë,
P±PμPSP·PsPrC-P°P·PμPíC-PSPsPIC- C,P° PsPíC-P°C,PSC- CḡPμC†PμPíC,PSCḡPë.

P†PSPiC-P±C†PIP°PSPSCÍ P·PIPsCḡPsC,PSPsPiPs P·P°C...PsPíP»PμPSPSCÍ 5-HT C”
C”PrPëPSPëPj PjPsP¶P»PëPIPëPj PjPμC...P°PSC-P·PjPsPj PrC-C—, CÍPePëPNë PjPsP¶Pμ
PíPsCÍCÍPSCḡPIP°C,Pë C,,P°CḡPjP°PePsP»PsPiC-C‡PSC- C,P° PeP»C-PSC-C‡PSC- PμC,,PμPeC,Pë
PμCÍC†PëC,P°P»PsPíCḡP°PjCr.

PαP°CḡPjP°PePsPrPëPSP°PjC-C‡PSC- PμC,,PμPeC,Pë

P’ PsPrPSPsPjCr PíPsPrPIC-PNëPSPs CÍP»C-PíPsPjCr PíP»P°C†PμP±Ps-
PePsPSC,CḡPsP»CHPsPIP°PSPsPjCr PrPsCÍP»C-PrP¶PμPSPSC- PíPsPeP°P·PSPëPeC-PI P•PḡP” Cr
P·PrPsCḡPsPIPëC... PsCÍC-P± PíPsPrPsPIP¶PμPSPSCÍ C-PSC,PμCḡPIP°P»C† Qtc
(CÍPePsCḡPëPíPsPIP°PSPsPiPs P·P° C,,PsCḡPjCrP»PsCḡ PαCḡC-PrPμCḡC-PeP°) PIC-Pr
PIPëC...C-PrPSPsPiPs P·PSP°C‡PμPSPSCÍ CÍC,P°PSPsPIPëP»Ps 4,3 PjCÍ (90 % P”P†
(PrPsPIC-CḡC‡PëPNë C-PSC,PμCḡPIP°P»): 2,2, 6,4) PíCḡPë P·P°CÍC,PSCÍC†PIP°PSPSC-
P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±C† Cr PrPsP·C- 10 PjPi/PrPsP±C† C,P° 10,7 PjCÍ (90 %
P”P†: 8,6, 12,8) PíCḡPë P·P°CÍC,PSCÍC†PIP°PSPSC- PrPsP·Pë, PIPëC%PsC— P·P°
C,PμCḡP°PíPμPIC,PëC‡PSCr, бḡ“ 30 PjPi/PrPsP±C† (PrPëPI. CḡPsP·PrC-P»Pë
B«PμCḡPsC,PëPíPsPeP°P·P°PSPSCÍB», B«PḡCÍPsP±P»PëPIPsCÍC,C-
P·P°CÍC,PSCÍC†PIP°PSPSCÍB», B«P’P·P°C”PjPsPrC-CÍ P· C-PSC€PëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—B», B«PμPμCḡPμPrPsP·C†PIP°PSPSCÍB»).

PḡP»C-PSC-C‡PSP° PμC,,PμPeC,PëPIPsC-CÍC,CH

P’PμP»PëPeC- PrPμPíCḡPμCÍPëPIPsC- PμPíC-P·PsPrPë

P·C,,PμPeC,PëPIPsC-CÍC,CH PμCÍC†PëC,P°P»PsPíCḡP°PjCr Cr P»C-PeC†PIP°PSPSC-
PIPμP»PëPePëC... PrPμPíCḡPμCÍPëPIPsPëC... PμPíC-P·PsPrC-PI Cr PíPsCÍC,CḡPëPNë
PíPμCḡC-PsPr P±C†P»P° PíPsPeP°P·P°PSP° Cr 3 P· 4 PíPsPrPIC-PNëPSPs CÍP»C-PíPëC...,
PíP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC..., PePsCḡPsC,PePsCÍC,CḡPsPePsPIPëC... (8-
C,PëP¶PSPμPIPëC...) PrPsCÍP»C-PrP¶PμPSCH. Pj PrPsPIPiPsCÍC,CḡPsPePsPIPsPjCr

PrPsCfP»C-PrP¶PµPSPSC- PiC¶PsC,,C-P»P°PeC,PëPePë C¶PµC†PëPrPëPICr 274
PiP°C†C-C"°PSC,Pë, C¶PeC- PiC-Pr C†P°Cf PiPsC†P°C,PePsPIPsC— 8-C,PëP¶PSPµPIPsC—
PIC-PrPeC¶PëC,PsC— C,,P°P·Pë PrPsCfP»C-PrP¶PµPSPSC¶ PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeCfPIP°PSPSC¶ PµCfC†PëC,P°P»PsPiC¶P°PjPsPj Cr PrPsP·C- 10 P°P±Ps 20 PjPi/PrPsP±Cr,
P±CrP»Pë C¶P°PSPPrPsPjC-P·PsPIP°PSC- PrP»C¶ PiC¶PsPrPsPIP¶PµPSPSC¶ PiC¶PëPNëPsPjCr
PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr C,C-PNë CfP°PjC-PNë PrPsP·C- P°P±Ps PiP»P°C†PµP±Ps
PiC¶PsC,C¶PiPsPj PiPµC¶C-PsPrCr PrPs 36 C,PëP¶PSC-PI. Pj C†CHbPsPjCr
PrPsCfP»C-PrP¶PµPSPSC- Cr PiP°C†C-C"°PSC,C-PI, C¶PeC- PiC¶PsPrPsPIP¶CfPIP°P»Pë
PsC,C¶PëPjCrPIP°C,Pë PµCfC†PëC,P°P»PsPiC¶P°Pj, CfPiPsCfC,PµC¶C-PiP°PICfC¶
CfC,P°C,PëCfC,PëC†PSPs P·PSP°C†CfC%Ps P±C-P»CHbC C,C¶PëPIP°P»PëPNë PiPµC¶C-PsPr
C†P°CfCr PrPs PIPëPSPëPePSPµPSPSC¶ C¶PµC†PëPrPëPICr Cr PjPµP¶P°C...
PSP°CfC,CrPiPSPëC... 36 C,PëP¶PSC-PI Cr PiPsC¶C-PIPSCLIPSPSC- P· C,PëPjPë
PiP°C†C-C"°PSC,P°PjPë, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë PiP»P°C†PµP±Ps.

P¶PsC†C-P°P»CHbPSPëPNë C,C¶PëPIPsP¶PSPëPNë C¶PsP·P»P°Pr

P·CfC†PëC,P°P»PsPiC¶P°Pj PIPëC¶PIPëPICfC¶ PµC,,PµPeC,PëPIPSPëPj PrP»C¶
P»C-PeCfPIP°PSPSC¶ CfPsC†C-P°P»CHbPSPsPiPs C,C¶PëPIPsP¶PSPsPiPs C¶PsP·P»P°PrCr C¶Pe
Cr C,C¶CHbPsC... PePsC¶PsC,PePsCfC,C¶PsPePsPIPëC... (12-C,PëP¶PSPµPIPëC...)
PrPsCfP»C-PrP¶PµPSPSC¶C..., C,P°Pe C- Cr 6-PjC-CfC¶C†PSPsPjCr
PrPsCfP»C-PrP¶PµPSPSC-B PiC¶PsC,,C-P»P°PeC,PëPePë C¶PµC†PëPrPëPICr. Pj 24-
C,PëP¶PSPµPIPsPjCr PrPsCfP»C-PrP¶PµPSPSC- PsPiC,PëPjP°P»CHbPSPsC— PrPsP·Pë P±CrP»P°
PiC¶PsPrPµPjPsPSCfC,C¶PsPIP°PSP° PµC,,PµPeC,PëPIPSC-CfC,CHb
PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr PrPsP·P°C... 5, 10 C,P° 20 PjPi.

P°PµPSPµC¶P°P»C-P·PsPIP°PSPëPNë C,C¶PëPIPsP¶PSPëPNë C¶PsP·P»P°Pr

P·CfC†PëC,P°P»PsPiC¶P°Pj Cr PrPsP·P°C... 10 C,P° 20 PjPi/PrPsP±Cr P±CrPI
PµC,,PµPeC,PëPIPSPëPj Cr 4 P· 4 PiP»P°C†PµP±Ps-PePsPSC,C¶PsP»CHbPsPIP°PSPëC...
PrPsCfP»C-PrP¶PµPSPSCb.

P—PiC-PrPSPs P· PsP±b¶™ C"PrPSP°PSPëPjPë PrP°PSPëPjPë C,C¶CHbPsC...
PrPsCfP»C-PrP¶PµPSPSCb P· PiPsPrC-P±PSPëPj PrPëP·P°PNëPSPsPj, PI C¶PePëC... P·P°PiP°P»PsPj
PIP·C¶PI CrC†P°CfC,CHb 421 PiP°C†C-C"°PSC,, C¶PeC- P»C-PeCfPIP°P»PëCfC¶
PµCfC†PëC,P°P»PsPiC¶P°PjPsPj, C,P° 419 PiP°C†C-C"°PSC,C-PI, C¶PeC- PsC,C¶PëPjCrPIP°P»Pë
PiP»P°C†PµP±Ps, PSP° P»C-PeCfPIP°PSPSC¶ PIC-PrPiPsPIC-P»Pë 47,5 % C,P° 28,9 %
PiP°C†C-C"°PSC,C-PI PIC-PrPiPsPIC-PrPSPs, P° C¶PµPjC-CfC-C¶ PSP°CfC,P°P»P° Cr 37,1 % C,P°
20,8 % PiP°C†C-C"°PSC,C-PI PIC-PrPiPsPIC-PrPSPs. P¶C,C-PNëPePëPNë PµC,,PµPeC,
CfPiPsCfC,PµC¶C-PiP°PICfC¶ P· PiPµC¶C¶PsPiPs C,PëP¶PSC¶ P»C-PeCfPIP°PSPSC¶.

PµC-PrC,C¶PëPjCrC¶C†PëPNë PµC,,PµPeC, PµCfC†PëC,P°P»PsPiC¶P°PjCr Cr PrPsP·C- 20
PjPi/PrPsP±Cr P±CrPI PiC¶PsPrPµPjPsPSCfC,C¶PsPIP°PSPëPNë Cr

24b¶"76-C,PëP¶PSPµPIPsPjCr C¶P°PSPPrPsPjC-P·PsPIP°PSPsPjCr PrPsCfP»C-PrP¶PµPSPSC-
PiC-PrC,C¶PëPjCrC¶C†PsPiPs PµC,,PµPeC,Cr P»C-PeCfPIP°PSPSC¶, PI C¶PePsPjCr PIP·C¶P»Pë
CrC†P°CfC,CHb 373 PiP°C†C-C"°PSC,Pë, C%Ps PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeP°C¶CfCHbPePëPNë P·P°CfC-P± PiC-Pr C†P°Cf PiPsC†P°C,PePsPIPsPiPs 12-
C,PëP¶PSPµPIPsPiPs P»C-PeCfPIP°PSPSC¶ Cr PIC-PrPeC¶PëC,PsPjCr C¶PµP¶PëPjC-.

P¶P±CfPµCfPëPIPSPs-PePsPjPiC¿P»CHbCfPëPIPSPëPNë C¶PsP·P»P°Pr

Pj C¶P°PSPPrPsPjC-P·PsPIP°PSPsPjCr PiPsPrPIC-PNëPSPs CfP»C-PiPsPjCr PeP»C-PSC-C†PSPsPjCr

PrPsCfP»C-PrP¶PµPSPSC- PµCfC†PëC,P°P»PsPïCfP°Pj Cr PrPsP·C- 20 PjPi/PrPsP±Cf
PïCfPµPrPµPjPsPSCfC,CfCfPïP°PI PIC-PrPjC-PSPSC-CfC,Ch PIC-Pr PïP»P°C†PµP±Ps P·P°
P·P°PïP°P»ChPSPsCf PeC-P»ChPeC-CfC,Cf P±P°P»C-PI P·P° C¶PeP°P»PsCf Y-BOCS
(PëPeP°P»P° PrP»C¶ PsC†C-PSPePë PsP±CfPµCfPëPIPSPs-PePsPjPïCfP»ChCfPëPIPSPsPiPs
CfPµP·P»P°PrCf P™C”P»ChCfChPePsPiPs C- P’CfP°CfPSC-PICfChPePsPiPs
CfPSC-PIPµCfCfPëC,PµC,C-PI, Yale-Brown Obsessive Compulsive Scale) C†PµCfPµP· 12
C,PëP¶PSC-PI P»C-PeCfPïP°PSPSC¶. P\$PµCfPµP·

24 C,PëP¶PSC- PIC-PrPjC-C†P°P»PëCfC¶ PïPµCfPµPIP°PïPë P·P°CfC,PsCfCfPïP°PSPSC¶
PµCfC†PëC,P°P»PsPïCfP°PjCf C¶Pe Cr PrPsP·C- 10 PjPi/PrPsP±Cf, C,P°Pe C- Cr PrPsP·C- 20
PjPi/PrPsP±Cf Cr PïPsCfC-PIPSC¶PSPSC- P· PïP»P°C†PµP±Ps.

P·C,,PµPeC,PëPIPSC-CfC,Ch P»C-PeP°CfCfChPePsPiPs P·P°CfPsP±Cf Cr
PïCfPµC,,C-P»P°PeC,PëC†C- CfPµC†PëPrPëPIC-PI P±CfP»P°
PïCfPµPrPµPjPsPSCfC,CfPµPIP°PSP° PrP»C¶ PµCfC†PëC,P°P»PsPïCfP°PjCf Cr PrPsP·P°C... 10
C- 20 PjPi/PrPsP±Cf Cr PïP°C†C-C”PSC,C-PI, C¶PeC- PIC-PrPïPsPIC-P»Pë PSP°
PµCfC†PëC,P°P»PsPïCfP°Pj Cr

16-C,PëP¶PSPµPIPsPjCf PIC-PrPeCfPëC,PsPjCf PïPµCfC-PsPrC- C,P° P±CfP»Pë
PIPeP»ChC†PµPSC- Cr 24-C,PëP¶PSPµPIPëPNë CfP°PSPPrPsPjC-P·PsPIP°PSPëPNë
PïPsPrPIC-PNëPSPs CfP»C-PïPëPNë PïP»P°C†PµP±Ps-PePsPSC,CfPµP»ChPsPIP°PSPëPNë
PïPµCfC-PsPr.

PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.

PfP±CfPsCfP±C†C-C¶ PïCfP°PeC,PëC†PSPs PïPsPIPSP° C- PSPµ P·P°P»PµP¶PëC,Ch PIC-Pr
PïCfPëPNëPsPjCf C—P¶C-. P¶P°PeCfPëPjP°P»ChPSP° PePsPSC†PµPSC,CfP°C†C-C¶ Cr
PïP»P°P·PjC- PeCfPµPIC- PrPsCfC¶PïP°C”C,ChCfC¶ C†PµCfPµP· 4 PïPsPrPëPSPë PïC-CfP»C¶
PïCfPëPNëPsPjCf. PïPe C- PrP»C¶ CfP°C†PµPjC-C†PSPsPiPs C†PëC,P°P»PsPïCfP°PjCf,
P°P±CfPsP»ChC,PSP° P±C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
PsC†C-PeCfC”C,ChCfC¶ PSP° CfC-PIPSC- PïCfPëP±P»PëP·PSPs 80 %.

P PsP·PïPsPrC-P»

PjC¶PIPSPëPNë PsP±b¶™C”Pj CfPµP·PïPsPrC-P»Cf (Vd, β/F) PïC-CfP»C¶
PïPµCfPµCfP°P»ChPSPsPiPs P·P°CfC,PsCfCfPïP°PSPSC¶ CfC,P°PSPsPIPëC,Ch PIC-Pr 12 PrPs
26 P»/PePi. P’C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
CfC,P°PSPsPIPëC,Ch PïCfPëP±P»PëP·PSPs 80 %. P—Pib¶™C¶P·CfPïP°PSPSC¶
PµCfC†PëC,P°P»PsPïCfP°PjCf C,P° PNëPsPiPs PsCfPSPsPIPSPëC... PjPµC,P°P±PsP»C-C,C-PI P·
P±C-P»PeP°PjPë PeCfPµPIC- PjPµPSC¶Pµ 80 %.

P’C-PsC,CfP°PSCfC,,PsCfPjP°C†C-C¶

Pj PïPµC†C-PSC†C- CfC,PIPsCfCfCfC,ChCfC¶ PjPµC,P°P±PsP»C-C,Pë, C‰Ps
PrPµPjPµC,PëP»ChCfC,ChCfC¶ C,P° PrPëPrPµPjPµC,PëP»ChCfC,ChCfC¶ C- C”
C,,P°CfPjP°PePsP»PsPiC-C†PSPs P°PeC,PëPIPSPëPjPë. PïPe P°P»ChC,PµCfPSP°C,PëPIP°
PjPsP¶P»PëPIPµ PsPePëCfPSPµPSPSC¶ P°P·PsC,Cf P· CfC,PIPsCfPµPSPSC¶Pj N-
PsPeCfPëPrPSPsPiPs PjPµC,P°P±PsP»C-C,Cf. PïPe PjPµC,P°P±PsP»C-C,Pë, C,P°Pe C-
PIPëC...C-PrPSP° CfPïPsP»CfPeP° C†P°CfC,PePsPIPs PIPëPIPsPrC¶C,ChCfC¶ Cr C,,PsCfPjC-
PiP»ChPeCfCfPµPSC-PrC-PI. PµC-CfP»C¶ P±P°PiP°C,PsCfP°P·PsPIPsPiPs
P·P°CfC,PsCfCfPïP°PSPSC¶ CfPµCfPµPrPSC¶ PePsPSC†PµPSC,CfP°C†C-C¶ PrPµPjPµC,PëP»-
C,P° PrPëPrPµPjPµC,PëP»PjPµC,P°P±PsP»C-C,C-PI P·P°P·PIPëC†P°PNë CfC,P°PSPsPIPëC,Ch

PIC-PrPⁱPsPIC-PrPSPs 28-31 % C, P° < 5 % PIC-Pr PePsPSC†PμPSC, C₇P°C†C-C—
PμC†C†PëC, P°P»PsPⁱC₇P°PjC_r. P'C-PsC, C₇P°PSC†C,, PsC₇PjP°C†C-C†
PμC†C†PëC, P°P»PsPⁱC₇P°PjC_r PI PrPμPjPμC, PëP»CHbPsPIP°PSPëPN₂ PjPμC, P°P±PsP»C-C,
PIC-PrP±C†PIP°C"C, CHbC†C† PⁱPsP»PsPIPSPëPj C†PëPSPsPj P·P° PrPsPⁱPsPjPsPⁱPsC₇
C†PëC, PsC...C₇PsPjC_rB CYP2C19. P₇PsP¶P»PëPIP° PSPμP·PSP°C†PSP° C_rC†P°C†C, CHb C_r
PⁱC₇PsC†PμC†C- C-P·PsC,, PμC₇PjPμPSC, C-PI CYP3A4 C, P° CYP2D6.

P·P»C-PjC-PSP°C†C-C†

PμPμC₇C-PsPr PSP°PⁱC-PIPIPëPIPμPrPμPSPSC† (T_{1/2β}) P»C-PeP°C₇C†CHbPePsPⁱPs P·P°C†PⁱPsP±C_r
C†C, P°PSPsPIPëC, CHb PⁱC₇PëP±P»PëP·PSPs 30 PⁱPsPrPëPS. P₇P»C-C₇PμPSC† (Cl_{oral}) PⁱC₇Pë
PⁱPμC₇PsC₇P°P»CHbPSPsPjC_r PⁱC₇PëPN₂PsPjC- C†C, P°PSPsPIPëC, CHb PⁱC₇PëP±P»PëP·PSPs 0,6
P»/C...PI. P' PsC†PSPsPIPSPëC... PjPμC, P°P±PsP»C-C, C-PI PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPëPIPμPrPμPSPSC† PrPsPICëPëPN₂. P·C†C†PëC, P°P»PsPⁱC₇P°Pj C, P° PN₂PsPⁱPs
PsC†PSPsPIPSC- PjPμC, P°P±PsP»C-C, Pë PIPëPⁱPsPrC†C, CHbC†C† PⁱPμC†C-PSPePsC₇
(PjPμC, P°P±PsP»C-C†PSPëPN₂ CëP»C†C...) C- PSPëC₇PeP°PjPë. P'C-P»CHbCëP° C†P°C†C, PëPSP°
PrPsP·Pë PIPëPⁱPsPrPëC, CHbC†C† C_r PIPëPⁱP»C†P^rC- PjPμC, P°P±PsP»C-C, C-PI C-P·
C†PμC†PμC₇.

P>C-PSC-PN₂PSC-C†C, CHb

P₇C-PSPμC, PëPeP° PμC†C†PëC, P°P»PsPⁱC₇P°PjC_r P»C-PSC-PN₂PSP°. P C-PIPSPsPIP°P¶PSP°
PePsPSC†PμPSC, C₇P°C†C-C† PrPsC†C†PⁱP°C"C, CHbC†C† PⁱC₇PëP±P»PëP·PSPs C†PμC₇PμP·

1 C, PëP¶PrPμPSC₇. P₇PμC₇PμPrPSC† C₇C-PIPSPsPIP°P¶PSP° PePsPSC†PμPSC, C₇P°C†C-C† 50
PSPjPsP»CHb/P» (PIC-Pr 20 PrPs 125 PSPjPsP»CHb/P») PrPsC†C†PⁱP°C"C, CHbC†C† PⁱC₇Pë
PrPsP±PsPIC-PN₂ PrPsP·C- 10 PjPi.

PμP°C†C-C"PSC, Pë P»C-C, PSCHbPsPⁱPs PIC-PeC₂

Pj PⁱP°C†C-C"PSC, C-PI P»C-C, PSCHbPsPⁱPs PIC-PeC_r (PIC-Pr 65 C₇PsPeC-PI)
PμC†C†PëC, P°P»PsPⁱC₇P°Pj PIPëPⁱPsPrPëC, CHbC†C† PⁱPsPIC-P»CHbPSC-CëPμ, PSC-P¶ C_r
PjPsP»PsPrPëC... PⁱP°C†C-C"PSC, C-PI. P₇PëC†C, PμPjPSP° PμPeC†PⁱPsP·PëC†C-C† (AUC) C_r
PsC†C-P± P»C-C, PSCHbPsPⁱPs PIC-PeC_r PSP° 50 % PIPëC%₀P°, PSC-P¶ C_r PjPsP»PsPrPëC...
P·PrPsC₇PsPIPëC... PrPsP±C₇PsPIPSP»CHbC†C-PI (PrPëPI. C₇PsP·PrC-P» B«P₇PⁱPsC†C-P±
P·P°C†C, PsC†C†PIP°PSPSC† C, P° PrPsP·PëB»).

PμPμC†C-PSPePsPIP° PSPμPrPsC†C, P°C, PSC-C†C, CHb

Pj PⁱP°C†C-C"PSC, C-PI P· PⁱPsC₇C_rCëPμPSPSC†Pj C,, C_rPSPeC†C-C— PⁱPμC†C-PSPePë
P»PμPⁱPePsPⁱPs P°P±Ps C†PμC₇PμPrPSCbPsPⁱPs C†C, C_rPⁱPμPSC† C, C†P¶PePsC†C, C-
(PeP»P°C†Pë P₇ C- P' P·P° P₇P°PN₂P»PrPsPj-PμB₇TM C₇) PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPëPIPμPrPμPSPSC† P±C†PI C_r PrPIP° C₇P°P·Pë PrPsPICëPëPj, P°
PμPeC†PⁱPsP·PëC†C-C† PSP° 60 % PIPëC%₀PsC₇, PSC-P¶ PI PsC†C-P± C-P·
PSPsC₇PjP°P»CHbPSPsC₇ C,, C_rPSPeC†C-C"C₇ PⁱPμC†C-PSPePë (PrPëPI. C₇PsP·PrC-P»
B«P₇PⁱPsC†C-P± P·P°C†C, PsC†C†PIP°PSPSC† C, P° PrPsP·PëB»).

PkPëC₇PePsPIP° PSPμPrPsC†C, P°C, PSC-C†C, CHb

Pj PⁱP°C†C-C"PSC, C-PI P·C- P·PSPëP¶PμPSPsC₇ C,, C_rPSPeC†C-C"C₇ PSPëC₇PsPe (CL_{cr} 10-53
PjP»/C...PI) PⁱC₇Pë P·P°C†C, PsC†C†PIP°PSPSC- C₇P°C†PμPjC-C†PSPsPⁱPs
C†PëC, P°P»PsPⁱC₇P°PjC_r C†PⁱPsC†C, PμC₇C-PⁱP°PIC†C† PrPsPICëPëPN₂ PⁱPμC₇C-PsPr
PSP°PⁱC-PIPIPëPIPμPrPμPSPSC† C, P° PrPμC%₀Ps P±C-P»CHbCëP° PμPeC†PⁱPsP·PëC†C-C†.

РлPsPSC†PμPSC, CтP°C†C-Cl PjPμC, P°P±PsP»C-C, C-PI Cр PīP»P°P·PjC- PeCтPsPIC- PSPμ
PrPsC†P»C-PrP¶PμPSP°, P°P»Pμ PjPsP¶Pμ P±CрC, Pē PīC-PrPIPēC%oPμPSPsCт (PrPēPI.
CтPsP·PrC-P» B«PŸPīPsC†C-P± P·P°C†C, PsC†CрPIP°PSPSC† C, P° PrPsP·PēB»).

PμPsP»C-PjPsCтC,,C-P·Pj

PμP°C†C-C”PSC, Pē P·C- C†P»P°P±PePsCт PjPμC, P°P±PsP»C-C†PSPsCт C,,CрPSPeC†C-C”Cт
CYP2C19 PjP°P»Pē PIPrPIC-C†C- PIPēC%oC- PePsPSC†PμPSC, CтP°C†C-C—
PμC†C†PēC, P°P»PsPīCтP°PjCр Cр PīP»P°P·PjC- PeCтPsPIC-, PSC-P¶ PīP°C†C-C”PSC, Pē P·
PSPsCтPjP°P»CтPSPsCт C,,CрPSPeC†C-C”Cт CYP2C19. P—PSP°C†PSPēC... P·PjC-PS
PμPeC†PīPsP·PēC†C-C— PīCтPē P·PSPēP¶PμPSC-PNē C,,CрPSPeC†C-C— CYP2D6 PSPμ
PIC-PrP·PSP°C†P°P»PsC†C† (PrPēPI. CтPsP·PrC-P» B«PŸPīPsC†C-P±
P·P°C†C, PsC†CрPIP°PSPSC† C, P° PrPsP·PēB»).

РлP»C-PSC-C†PSC- C...P°CтP°PeC, PμCтPēC†C, PēPePē.

PμPsPeP°P·P°PSPSC†.

P>C-PeCрPIP°PSPSC† PIPμP»PēPePēC... PrPμPīCтPμC†PēPIPSPēC... PμPīC-P·PsPrC-PI,
PīP°PSC-C†PSPēC... CтPsP·P»P°PrC-PI P· P°P±Ps P±PμP· P°PīPsCтP°C,,PsP±C-C—,
C†PsC†C-P°P»CтPSPēC... C, CтPēPIPSP¶PSPēC... CтPsP·P»P°PrC-PI (C†PsC†C-P°P»CтPSP°
C,,PsP±C-Cl), PīPμPSPμCтP°P»C-P·PsPIP°PSPēC... C, CтPēPIPSP¶PSPēC... CтPsP·P»P°PrC-PI,
PsP±C†PμC†PēPIPSPs-PePsPjPīCр»CтC†PēPIPSPēC... CтPsP·P»P°PrC-PI.

PμCтPsC, PēPīPsPeP°P·P°PSPSC†.

PμC-PrPIPēC%oPμPSP° C†CрC, P»PēPIC-C†C, Cт PrPs PμC†C†PēC, P°P»PsPīCтP°PjCр P°P±Ps PrPs
C-PSCēPēC... PePsPjPīPsPSPμPSC, C-PI P»C-PeP°CтC†CтPePsPīPs P·P°C†PsP±Cр;
PsPrPSPsC†P°C†PSPμ P»C-PeCрPIP°PSPSC† PSPμC†PμP»PμPeC, PēPIPSPēPjPē
PSPμPsP±PsCтPsC, PSPēPjPē C-PSPiC-P±C-C, PsCтP°PjPē PjPsPSPsP°PjC-PSPsPeC†PēPrP°P·Pē
(C-PSPiC-P±C-C, PsCтPē PтPтPт) PīCтPsC, PēPīPsPeP°P·P°PSPμ C†PμCтPμP· CтPēP·PēPe
CтPsP·PIPēC, PeCр C†PμCтPsC, PsPSC-PSPsPīPsPīPs C†PēPSPrCтPsPjCр P·C-
P·P±CрPrP¶PμPSPSC†Pj, C, CтPμPjPsCтPsPj, PiC-PīPμCтC, PμCтPjC-C”Cт C, PsC%oPs (PrPēPI.
CтPsP·PrC-P» B«P·P·P°C”PjPsPrC-Cl P· C-PSCēPēPjPē P»C-PeP°CтC†CтPePēPjPē
P·P°C†PsP±P°PjPē C, P° C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»); PePsPjP±C-PSP°C†C-Cl
PμC†C†PēC, P°P»PsPīCтP°PjCр P· PsP±PsCтPsC, PSPēPjPē C-PSPiC-P±C-C, PsCтP°PjPē PтPтPт-Pт
(PSP°PīCтPēPeP»P°Pr, PjPsPeP»PsP±PμPjC-PrPsPj) P°P±Ps PsP±PsCтPsC, PSPēPj
PSPμC†PμP»PμPeC, PēPIPSPēPj C-PSPiC-P±C-C, PsCтPsPj PтPтPт P»C-PSPμP·PsP»C-PrPsPj
PīCтPsC, PēPīPsPeP°P·P°PSP° C†PμCтPμP· CтPēP·PēPe PIPēPSPēPePSPμPSPSC†
C†PμCтPsC, PsPSC-PSPsPīPsPīPs C†PēPSPrCтPsPjCр (PrPēPI. CтPsP·PrC-P»
B«P·P·P°C”PjPsPrC-Cl P· C-PSCēPēPjPē P»C-PeP°CтC†CтPePēPjPē P·P°C†PsP±P°PjPē C, P°
C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»).

P·C†C†PēC, P°P»PsPīCтP°Pj PīCтPsC, PēPīPsPeP°P·P°PSPēPNē PīP°C†C-C”PSC, P°Pj C-P·
PIC-PrPsPjPēPj PīPsPrPsPIP¶PμPSPSC†Pj C-PSC, PμCтPIP°P»Cр QT P°P±Ps PICтPsPrP¶PμPSPēPj
C†PēPSPrCтPsPjPsPj PīPsPrPsPIP¶PμPSPsPīPs C-PSC, PμCтPIP°P»Cр QT;
PμC†C†PēC, P°P»PsPīCтP°Pj PīCтPsC, PēPīPsPeP°P·P°PSPēPNē CтP°P·PsPj C-P·
P»C-PeP°CтC†CтPePēPjPē P·P°C†PsP±P°PjPē, ClPeC-, ClPe PIC-PrPsPjPs,

$P_k P_\mu P_s P \pm P_s C \bar{H} P_s C, P S P \ddot{e} P N_2$ $C \bar{I}' P_\mu P \gg P_\mu P_e C, P \ddot{e} P I P S P \ddot{e} P N_2$ $C - P S P i C - P \pm C - C, P_s C \bar{H} P_h P_h P_h C, P \ddot{e} P i C \acute{e}$
 P' ($C \bar{I}' P_\mu P \gg P_\mu P_i C - P \gg C - P S$).

$P_\mu P_s P_j P \pm C - P S P^\circ C \dagger C - C \bar{I} C - P \cdot C \bar{I}' P_\mu P \gg P_\mu P_i C - P \gg C - P S P_s P_j$ ($P S P_\mu P_s P \pm P_s C \bar{H} P_s C, P S P \ddot{e} P N_2$
 $C - P S P i C - P \pm C - C, P_s C \bar{H} P_h P_h P_h C, P \ddot{e} P i C \acute{e} P'$) $P I P \ddot{e} P_j P^\circ P_i P^\circ C''$ $P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S P_s C \bar{I}' C, C -$
 $C \dagger P_\mu C \bar{H} P_\mu P \cdot C \bar{H} P \ddot{e} P \cdot P \ddot{e} P_e C \bar{H} P_s P \cdot P I P \ddot{e} C, P_e C \bar{r} C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_s P I P_s P_i P_s$
 $C \bar{I}' P \ddot{e} P S P r C \bar{H} P_s P_j C \bar{r}$.

$P \check{Y} P_\mu P \gg P_\mu P_i C - P \gg C - P S$ $C \bar{r} P r P_s P \cdot P^\circ C \dots P r P_s$ $10 P_j P_i / P r P_s P \pm C \bar{r} P I P_e P \gg C \bar{H} C \dagger P S P_s,$
 $P \pm P_\mu P \cdot P_i P_\mu C \dagger P S P_s P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' P_s P i C \bar{r} P I P^\circ P i C \bar{I}' C \bar{I} C \bar{I} C \bar{H} P^\circ P \cdot P_s P_j C - P \cdot C \bar{H} P^\circ C \dagger P_\mu P_j C - C \dagger P S P \ddot{e} P_j$
 $C \dagger P \ddot{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j P_s P_j$.

$P_\mu P_s P r P_s P I P \bar{I} P_\mu P S P S C \bar{I} C - P S C, P_\mu C \bar{H} P I P^\circ P \gg C \acute{e} Q T$.

$P \propto P^\circ C \bar{H} P_j P^\circ P_e P_s P_e C - P S P_\mu C, P \ddot{e} C \dagger P S C - C, P^\circ C,$ $P^\circ C \bar{H} P_j P^\circ P_e P_s P r P \ddot{e} P S P^\circ P_j C - C \dagger P S C -$
 $P r P_s C \bar{I}' P \gg C - P r P \bar{I} P_\mu P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \ddot{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} P I P_e P_s P_j P \pm C - P S P^\circ C \dagger C - C - P \cdot$
 $C - P S C \bar{e} P \ddot{e} P_j P \ddot{e} P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \ddot{e} P_j P \ddot{e} P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \ddot{e}, C \bar{I} P_e C - P_i P_s P r P_s P I P \bar{I} C \bar{r} C \bar{H} C, C \bar{H}$
 $C - P S C, P_\mu C \bar{H} P I P^\circ P \gg Q T, P S P_\mu P_i C \bar{H} P_s P_i P_s P r P \ddot{e} P \gg P \ddot{e}.$ $P_k P_\mu P_j P_s P \bar{I} P S P^\circ P I P \ddot{e} P_e P \gg C \bar{H} C \dagger P^\circ C, P \ddot{e} B$
 $P I P \ddot{e} P S P \ddot{e} P_e P S P_\mu P S P S C \bar{I} C P^\circ P r P \ddot{e} C, P \ddot{e} P I P S P_s P_i P_s P_\mu C,, P_\mu P_e C, C \bar{r} P i C - P r C \bar{I}' C \bar{r} P_j C - C \bar{I}' P S P_s P_i P_s$
 $P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P I P^\circ P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \ddot{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} C - C \dagger P \ddot{e} C \dots$
 $P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \ddot{e} C \dots P \cdot P^\circ C \bar{I}' P_s P \pm C - P i.$ $P \check{Y} P_s P_j C \bar{r} P_s P r P S P_s C \dagger P^\circ C \bar{I}' P S P_\mu$
 $P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P I P^\circ P S P S C \bar{I} C P_\mu C \bar{I}' C \dagger P \ddot{e} C, P^\circ P \gg P_s P i C \bar{H} P^\circ P_j C \bar{r} P \cdot P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \ddot{e} P_j P \ddot{e}$
 $P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \ddot{e}, C \bar{I} P_e C - P_i P_s P r P_s P I P \bar{I} C \bar{r} C \bar{H} C, C \bar{H} C - P S C, P_\mu C \bar{H} P I P^\circ P \gg Q T, C, P^\circ P_e P \ddot{e} P_j P \ddot{e} C \bar{I} P_e$
 $P^\circ P S C, P \ddot{e} P^\circ C \bar{H} P \ddot{e} C, P_j C - C \dagger P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e} P_e P \gg P^\circ C \bar{I}' C \bar{r} P \dagger P_h C -$
 $P \dagger P \dagger P \dagger, P^\circ P S C, P \ddot{e} P i C \bar{I}' P \ddot{e} C \dots P_s C, P \ddot{e} P_e P \ddot{e} (P S P^\circ P i C \bar{H} P \ddot{e} P_e P \gg P^\circ P r P_i P_s C \dots C - P r P S C -$
 $C,, P_\mu P S P_s C, C - P^\circ P \cdot P \ddot{e} P S C \bar{r}, P i C - P_j P_s P \cdot P \ddot{e} P r, P_i P^\circ P \gg P_s P i P_\mu C \bar{H} P \ddot{e} P r P_s P \gg), C, C \bar{H} P \ddot{e} C \dagger P \ddot{e} P_e P \gg C - C \dagger P S C -$
 $P^\circ P S C, P \ddot{e} P r P_\mu P i C \bar{H} P_\mu C \bar{I}' P^\circ P S C, P \ddot{e}, P r P_\mu C \bar{I} P_e C - P i C \bar{H} P_s C, P \ddot{e} P_j C - P_e C \bar{H} P_s P \pm P S C -$
 $P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e} (P S P^\circ P i C \bar{H} P \ddot{e} P_e P \gg P^\circ P r C \bar{I}' P_i P^\circ C \bar{H} C,, P \gg P_s P_e C \bar{I}' P^\circ C \dagger P \ddot{e} P S,$
 $P_j P_s P_e C \bar{I}' P \ddot{e} C,, P \gg P_s P_e C \bar{I}' P^\circ C \dagger P \ddot{e} P S, P_\mu C \bar{H} P \ddot{e} C, C \bar{H} P_s P_j C - C \dagger P \ddot{e} P S B P r P \gg C \bar{I} C$
 $P I P S C \bar{r} C, C \bar{H} C - C \bar{e} P S C \bar{H} P_s P I P_\mu P S P S P_s P_i P_s P I P_i P_\mu P r P_\mu P S P S C \bar{I} C, P_i P_\mu P S C, P^\circ P_j C - P r P \ddot{e} P S,$
 $P i C \bar{H} P_s C, P \ddot{e} P_j P^\circ P \gg C \bar{I} C \bar{H} C - P N_2 P S C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e}, P \cdot P_s P_e C \bar{H} P_\mu P_j P^\circ P_i P^\circ P \gg P_s C,, P^\circ P S C, C \bar{H} P \ddot{e} P S),$
 $P_i P_\mu P I P S C - P^\circ P S C, P \ddot{e} P i C - C \bar{I}' C, P^\circ P_j C - P S P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e}$
 $(P^\circ C \bar{I}' C, P_\mu P_j C - P \cdot P_s P \gg, P i C - P r C \bar{H} P_s P_e C \bar{I}' P \ddot{e} P \cdot P \ddot{e} P S, P_j C - P \cdot P_s P \gg P^\circ C \bar{I}' C, P \ddot{e} P S),$
 $P i C \bar{H} P_s C, P \ddot{e} P_i P_s P_e P^\circ P \cdot P^\circ P S P_\mu$.

$P_\mu P_s P_j P \pm C - P S P^\circ C \dagger C - C - , C \% P_s P_i P_s C, C \bar{H} P_\mu P \pm C \bar{r} C \bar{H} C, C \bar{H} P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S P_s C \bar{I}' C, C - .$

$P \check{Y} P_\mu C \bar{H} P_s C, P_s P S C - P S P_\mu C \bar{H} P_i C - C \dagger P S C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e}.$

$P_h P r P S P_s C \dagger P^\circ C \bar{I}' P S P_\mu P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P I P^\circ P S P S C \bar{I} C - P \cdot$
 $C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_\mu C \bar{H} P_i C - C \dagger P S P \ddot{e} P_j P \ddot{e} P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \ddot{e} P_j P \ddot{e} P \cdot P^\circ C \bar{I}' P_s P \pm P^\circ P_j P \ddot{e},$
 $P S P^\circ P i C \bar{H} P \ddot{e} P_e P \gg P^\circ P r P \cdot P_s P i C - P_s C - P r P^\circ P_j P \ddot{e} (P I P_e P \gg C \bar{H} C \dagger P^\circ C \bar{H} C \dagger P \ddot{e} C, C \bar{H} P^\circ P_j P^\circ P r P_s P \gg) C, P^\circ$
 $C, C \bar{H} P \ddot{e} P i C, P^\circ P S P^\circ P_j P \ddot{e} (P I P_e P \gg C \bar{H} C \dagger P^\circ C \bar{H} C \dagger P \ddot{e} C \bar{I}' C \bar{r} P_j P^\circ C, C \bar{H} P \ddot{e} P i C, P^\circ P S), P_j P_s P \bar{I} P_\mu$
 $P i C \bar{H} P \ddot{e} P \cdot P I P_\mu C \bar{I}' C, P \ddot{e} P r P_s C \bar{H} P_s P \cdot P I P \ddot{e} C, P_e C \bar{r} C \bar{I}' P_\mu C \bar{H} P_s C, P_s P S C - P S P_s P I P_s P_i P_s$
 $C \bar{I}' P \ddot{e} P S P r C \bar{H} P_s P_j C \bar{r}$.

$P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e C - P \cdot P^\circ C \bar{I}' P_s P \pm P \ddot{e}, C \% P_s P \cdot P S P \ddot{e} P \bar{I} C \acute{e} C \bar{H} C, C \bar{H} C \bar{I}' C \acute{e} P r P_s P_j P S P \ddot{e} P N_2$
 $P_i P_s C \bar{H} C - P_i$.

$P \check{Y} P \dagger P - P - P \check{Y} P_j P_s P \bar{I} C \bar{r} C, C \bar{H} P \cdot P S P \ddot{e} P \bar{I} C \bar{r} P I P^\circ C, P \ddot{e} C \bar{I}' C \bar{r} P r P_s P_j P S P \ddot{e} P N_2 P_i P_s C \bar{H} C - P_i$
 $P P_\mu P_e P_s P_j P_\mu P S P r C \bar{r} C'' C, C \bar{H} C \bar{I}' C \bar{I} C P_s P \pm P_\mu C \bar{H} P_\mu P \bar{I} P S C - C \bar{I}' C, C \bar{H} P i C \bar{H} P \ddot{e}$
 $P_s P r P S P_s C \dagger P^\circ C \bar{I}' P S P_s P_j C \bar{r} P \cdot P^\circ C \bar{I}' C, P_s C \bar{I}' C \bar{r} P I P^\circ P S P S C - P \gg C - P_e P^\circ C \bar{H} C \bar{I}' C \bar{H} P_e P \ddot{e} C \dots$

$P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$ $P \cdot P S P \ddot{P} P \P C \Gamma C \overline{H} C, C \overline{H}$ $C \Gamma C \Gamma P r P s P j P S P \ddot{P} P N_{\circ}$ $P i P s C \overline{H} C - P i$,
 $P S P^{\circ} P i C \overline{H} P \ddot{P} P e P \gg P^{\circ} P r$ $P^{\circ} P S C, P \ddot{P} P r P \mu P i C \overline{H} P \mu C \Gamma P^{\circ} P S C, C - P I$ ($C, C \overline{H} P \ddot{P} C \Gamma P \ddot{P} P e P \gg C - C \ddagger P S C -$,
 $P \ddot{Y} P \Gamma P - P - P \ddot{Y}$), $P S P \mu P N_{\circ} C \overline{H} P s P \gg P \mu P i C, P \ddot{P} P e C - P I$ ($C, P \mu P S P s C, C - P^{\circ} P \cdot P \ddot{P} P S P \ddot{P}$,
 $C, C - P s P e C \Gamma P^{\circ} P S C, P \mu P S P \ddot{P}$, $P \pm C \Gamma C, P \ddot{P} C \overline{H} P s C, P \mu P S P s P S P \ddot{P}$), $P j P \mu C, P \gg P s C \dots C - P S C \Gamma$,
 $P \pm C \Gamma P i C \overline{H} P s P i C - P s P S C \Gamma$ $C - C, C \overline{H} P^{\circ} P j P^{\circ} P r P s P \gg C \Gamma$.

$P \gg C - C, C - P N_{\circ}, C, C \overline{H} P \ddot{P} P i C, P s C, P^{\circ} P S$.

$P \overline{h} C \Gamma P e C - P \gg C \overline{H} P e P \ddot{P}$ $P \cdot P^{\circ} C \overline{H} P \mu C'' C \Gamma C, C \overline{H} P s P i P^{\circ} P S P s$ $P i P \ddot{P} P i P^{\circ} P r P e P \ddot{P}$ $P i P s C \Gamma P \ddot{P} P \gg P \mu P S P S C \P$
 $P r C - C - P i C \overline{H} P \ddot{P}$ $C \Gamma C \Gamma P j C - C \Gamma P S P s P j C \Gamma$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C - P \ddot{Y} P \Gamma P - P - P \ddot{Y}$ $C - P \gg C - C, C - C \overline{H}$
 $P^{\circ} P \pm P s$ $C, C \overline{H} P \ddot{P} P i C, P s C, P^{\circ} P S C \Gamma$, $C \overline{H} P \mu P e P s P j P \mu P S P r C \Gamma C'' C, C \overline{H} C \Gamma C \P$ P .
 $P s P \pm P \mu C \overline{H} P \mu P \P P S C - C \Gamma C, C \overline{H}$ $P i C \overline{H} P \ddot{P} P \cdot P S P^{\circ} C \ddagger P^{\circ} C, P \ddot{P}$ $C \Gamma C - P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e C - P \cdot P^{\circ} C \Gamma P s P \pm P \ddot{P}$
 $P s P r P S P s C \ddagger P^{\circ} C \Gamma P S P s$.

$P - P I C - C \overline{H} P s P \pm C - P N_{\circ}$.

$P \overline{h} P r P S P s C \ddagger P^{\circ} C \Gamma P S P \mu$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \ddot{Y} P \Gamma P - P - P \ddot{Y}$ C, P° $C \overline{H} P s C \Gamma P \gg P \ddot{P} P S P S P \ddot{P} C \dots$
 $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$ $P j C - C \Gamma C, C \P C, C \overline{H}$ $P \cdot P I C - C \overline{H} P s P \pm C - P N_{\circ}$, $P j P s P \P P \mu$ $P i C \overline{H} P \ddot{P} P \cdot P i P \mu C \Gamma C, P \ddot{P}$
 $P r P s$ $P i C - P r P i P \ddot{P} C \% P \mu P S P S C \P$ $C \ddagger P^{\circ} C \Gamma C, P s C, P \ddot{P}$ $P i P s P \pm C - C \ddagger P S P \ddot{P} C \dots$ $C \overline{H} P \mu P^{\circ} P e C \Gamma C - P N_{\circ}$.

$P \overline{h} P S C, P \ddot{P} P e P s P^{\circ} P i C \acute{z} P \gg C \P P S C, P \ddot{P}$.

$P \overline{h} P s P \P P \gg P \ddot{P} P i P^{\circ}$ $P \cdot P j C - P S P^{\circ}$ $P \mu C, P \mu P e C, C - P I$ $P i P \mu C \overline{H} P s C \overline{H} P^{\circ} P \gg C \overline{H} P S P \ddot{P} C \dots$
 $P^{\circ} P S C, P \ddot{P} P e P s P^{\circ} P i C \Gamma P \gg C \P P S C, C - P I$ $C \Gamma P S P^{\circ} C \Gamma P \gg C - P r P s P e$ $P s P r P S P s C \ddagger P^{\circ} C \Gamma P S P s P i P s$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \cdot P \mu C \Gamma C \Gamma P \ddot{P} C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j P s P j$. $P \mu P^{\circ} C \Gamma C - C'' P S C, P^{\circ} P j$, $C \P P e C -$
 $P i C \overline{H} P \ddot{P} P N_{\circ} P j P^{\circ} C \overline{H} C, C \overline{H}$ $P i P \mu C \overline{H} P s C \overline{H} P^{\circ} P \gg C \overline{H} P S C - P^{\circ} P S C, P \ddot{P} P e P s P^{\circ} P i C \Gamma P \gg C \P P S C, P \ddot{P}$,
 $P S P \mu P s P \pm C \dots C - P r P S P s$ $P i C \overline{H} P s P i P \mu C \Gamma C, P \ddot{P}$ $C \overline{H} P \mu C, P \mu P \gg C \overline{H} P S P \ddot{P} P N_{\circ}$ $P j P s P S C - C, P s C \overline{H} P \ddot{P} P S P i$
 $C \Gamma P \ddot{P} C \Gamma C, P \mu P j P \ddot{P}$ $P \cdot P i P s C \overline{H} C, P^{\circ} P S P S C \P$ $P e C \overline{H} P s P i C - P i P \mu C \overline{H} P \mu P r$ $C - P i C - C \Gamma P \gg C \P$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P \mu C \Gamma C \Gamma P \ddot{P} C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j C \Gamma$ ($P r P \ddot{P} P i$. $C \overline{H} P s P \cdot P r C - P \gg$
 $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} P i P s C \Gamma C, C - P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P \overline{h} P r P S P s C \ddagger P^{\circ} C \Gamma P S P \mu$ $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P$ $P S P \mu C \Gamma C, P \mu C \overline{H} P s C - P r P S P \ddot{P} C \dots$
 $P i C \overline{H} P s C, P \ddot{P} P \cdot P^{\circ} P i P^{\circ} P \gg C \overline{H} P S P \ddot{P} C \dots$ $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$ $P j P s P \P P \mu$ $P i P s C \Gamma P \ddot{P} P \gg P \ddot{P} C, P \ddot{P}$
 $C \Gamma C \dots P \ddot{P} P \gg C \overline{H} P S C - C \Gamma C, C \overline{H}$ $P r P s$ $P e C \overline{H} P s P i P s C, P \mu C \ddagger C -$ ($P r P \ddot{P} P i$. $C \overline{H} P s P \cdot P r C - P \gg$
 $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} P i P s C \Gamma C, C - P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P \overline{h} P \gg P e P s P i P s P \gg C \overline{H}$.

$P \cdot C \Gamma C \Gamma P \ddot{P} C, P^{\circ} P \gg P s P i C \overline{H} P^{\circ} P j$ $P S P \mu$ $P i C \Gamma C, C \Gamma P i P^{\circ} C''$ $C \Gamma C, P^{\circ} C \overline{H} P j P^{\circ} P e P s P r P \ddot{P} P S P^{\circ} P j C - C \ddagger P S C \Gamma$
 $P^{\circ} P \pm P s$ $C, P^{\circ} C \overline{H} P j P^{\circ} P e P s P e C - P S P \mu C, P \ddot{P} C \ddagger P S C \Gamma$ $P i P \cdot P^{\circ} C'' P j P s P r C - C \overline{H}$ $P \cdot P^{\circ} P \gg P e P s P i P s P \gg P \mu P j$.
 $P \overline{h} P r P S P^{\circ} P e$, $C \P P e$ $C - P \cdot C - P S C \ddot{P} P \ddot{P} P \ddot{P}$ $P i C \Gamma P \ddot{P} C \dots P s C, C \overline{H} P s P i P S P \ddot{P} P j P \ddot{P}$
 $P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e P \ddot{P} P j P \ddot{P}$ $P \cdot P^{\circ} C \Gamma P s P \pm P^{\circ} P j P \ddot{P}$, $P e P s P j P \pm C - P S P^{\circ} C \Gamma C - C \P$ $P \cdot P^{\circ} P \gg P e P s P i P s P \gg P \mu P j$
 C'' $P S P \mu P \pm P^{\circ} P \P P^{\circ} P S P s C \overline{H}$.

$P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e C - P \cdot P^{\circ} C \Gamma P s P \pm P \ddot{P}$, $C \% P s$ $C \Gamma P i C \overline{H} P \ddot{P} C \ddagger P \ddot{P} P S C \P C \overline{H} C, C \overline{H}$
 $P i C - P i P s P e P^{\circ} P \gg C - C'' P j C - C \overline{H} / P i C - P i P s P j P^{\circ} P i P S C - C'' P j C - C \overline{H}$.

$P \acute{K} P \mu P s P \pm C \dots C - P r P S P^{\circ}$ $P s P \pm P \mu C \overline{H} P \mu P \P P S C - C \Gamma C, C \overline{H}$ $P i C \overline{H} P \ddot{P}$ $C \Gamma C \Gamma P i C \Gamma C, P S C \overline{H} P s P j C \Gamma$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C - P \gg C - P e P^{\circ} C \overline{H} C \Gamma C \overline{H} P e P \ddot{P} C \dots$ $P \cdot P^{\circ} C \Gamma P s P \pm C - P I$, $C \% P s$
 $C \Gamma P i C \overline{H} P \ddot{P} C \ddagger P \ddot{P} P S C \P C \overline{H} C, C \overline{H}$ $P i C - P i P s P e P^{\circ} P \gg C - C'' P j C - C \overline{H} / P i C - P i P s P j P^{\circ} P i P S C - C'' P j C - C \overline{H}$,
 $P s C \Gamma P e C - P \gg C \overline{H} P e P \ddot{P}$ $C \ddagger P \mu$ $P i C - P r P i P \ddot{P} C \% C \Gamma C''$ $C \overline{H} P \ddot{P} P \cdot P \ddot{P} P e$ $P i P \ddot{P} P S P \ddot{P} P e P S P \mu P S P S C \P$
 $P \cdot P \gg P s C \P P e C - C \Gamma P S P s C - P^{\circ} C \overline{H} P \ddot{P} C, P j C - C -$ ($P r P \ddot{P} P i$. $C \overline{H} P s P \cdot P r C - P \gg$ $B \langle P \overline{h} C \Gamma P s P \pm P \gg P \ddot{P} P i P s C \Gamma C, C -$
 $P \cdot P^{\circ} C \Gamma C, P s C \Gamma C \Gamma P i P^{\circ} P S P S C \P B \rangle$).

$P\alpha P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PeC\sharp PSC-PIP\cdot P^{\circ}C''PjPsPrC-C-$.

$P'PiP\gg PePI\ C-PSC\epsilon PeC... P\cdot P^{\circ}C\tilde{I}PsP\pm C-PI\ PSP^{\circ}\ C,,P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PePeC\acute{e}$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{e}$. $P\hbar P\mu C,P^{\circ}P\pm PsP\gg C-P\cdot Pj\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}$
 $PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj\ PsPiPsC\tilde{I}P\mu C\tilde{H}P\mu PrPePsPIP^{\circ}PSP\acute{e}PN_{\acute{e}}\ CYP2C19, P^{\circ}P\gg P\mu\ PI$
 $PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot PjC- C,P^{\circ}PePsP\P\ P\cdot P^{\circ}PrC-Cl\IPSC- CYP3A4\ C- CYP2D6, C...PsC\sharp P^{\circ}\ C-$
 $PjP\mu PSC\epsilon PsC\tilde{H}\ PjC-C\tilde{H}PsC\tilde{H}$. $P\S P^{\circ}C\tilde{I}C,PePsPIP\acute{e}Pj\ PeP^{\circ}C,P^{\circ}P\gg C-P\cdot P^{\circ}C,PsC\tilde{H}PsPj$
 $PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot PjC\acute{r}\ PsC\tilde{I}PSPsPIPSPsPiPs\ PjP\mu C,P^{\circ}P\pm PsP\gg C-C,C\acute{r}\ S-DCT$
 $(PrP\mu PjP\mu C,PeP\gg C\hbar PsPIP^{\circ}PSPsPiPs\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r})\ PIPiP^{\circ}P\P P^{\circ}C''C,C\hbar C\tilde{I}C\tilde{I}$
 $C-P\cdot PsC,,P\mu C\tilde{H}PjP\mu PSC, CYP2D6$.

$P\check{Y}C\acute{r}PjC-C\tilde{I}PSP\mu\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C,P^{\circ}$
 $PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg C\acute{r}\ 30\ PjPi\ 1\ C\tilde{H}P^{\circ}P\cdot\ PSP^{\circ}\ PrPsP\pm C\acute{r}\ (CYP2C19\ C-PSPiC-P\pm C-C,PsC\tilde{H}P^{\circ})$
 $PiC\tilde{H}P\acute{e}P\cdot PIPsPrPeC,C\hbar\ PrPs\ PiPsPjC-C\tilde{H}PSPsPiPs\ (PiC\tilde{H}P\acute{e}P\pm P\gg PeP\cdot PSPs\ PSP^{\circ}\ 50\ %)$
 $PiC-PrPIP\acute{e}C\%P\mu PSPSC\tilde{I}\ PePsPSC\sharp P\mu PSC,C\tilde{H}P^{\circ}C\sharp C-C- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C\acute{r}$
 $PiP\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC-$.

$P\check{Y}C\acute{r}PjC-C\tilde{I}PSP\mu\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C,P^{\circ}$
 $C\sharp PePjP\mu C,PePrPePSC\acute{r}\ 400\ PjPi\ 2\ C\tilde{H}P^{\circ}P\cdot Pe\ PSP^{\circ}\ PrPsP\pm C\acute{r}\ (PiPsPjC-C\tilde{H}PSP\acute{e}PN_{\acute{e}}\ P\cdot P^{\circ}PiP^{\circ}P\gg C\hbar PSP\acute{e}PN_{\acute{e}}\ C-PSPiC-P\pm C-C,PsC\tilde{H}\ C,,P\mu C\tilde{H}PjP\mu PSC,C-PI)\ PiC\tilde{H}P\acute{e}P\cdot PIP\mu P\gg Ps\ PrPs$
 $PiPsPjC-C\tilde{H}PSPsPiPs\ (PiC\tilde{H}P\acute{e}P\pm P\gg PeP\cdot PSPs\ PSP^{\circ}\ 70\ %)\ P\cdot P\pm C-P\gg C\hbar C\epsilon P\mu PSPSC\tilde{I}$
 $PePsPSC\sharp P\mu PSC,C\tilde{H}P^{\circ}C\sharp C-C- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C\acute{r}\ PiP\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC-$
 $P\ P\mu PePsPjP\mu PSP\acute{r}C\acute{r}C''C,C\hbar C\tilde{I}C\tilde{I}\ P\pm C\acute{r}C,Pe\ PsP\pm P\mu C\tilde{H}P\mu P\P PSP\acute{e}Pj\ PiC\tilde{H}P\acute{e}$
 $PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ C-P\cdot$
 $C\sharp PePjP\mu C,PePrPePSPsPj\ P\hbar PsP\P P\gg PePIP^{\circ}\ PePsC\tilde{H}P\mu PeC\sharp C-Cl\ PrPsP\cdot Pe\ (PrPePI.\ C\tilde{H}PsP\cdot PrC-P\gg$
 $B\langle PhC\tilde{I}PsP\pm P\gg PePIPsC\tilde{I}C,C- P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC\tilde{I}B\rangle$).

$P\check{Y}P^{\circ}PePePj\ C\sharp PePSPsPj, PiC\tilde{H}P\acute{e}\ PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC-$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P\cdot C-PSPiC-P\pm C-C,PsC\tilde{H}P^{\circ}PjPe\ CYP2C19\ (PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr$
 $PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, P\mu P\cdot PsPjP\mu PiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, C,,P\gg C\acute{r}PePsPSP^{\circ}P\cdot PsP\gg PsPj,$
 $C,,P\gg C\acute{r}PIPsPeC\tilde{I}P^{\circ}PjC-PSPsPj, P\gg P^{\circ}PSC\tilde{I}PsPiC\tilde{H}P^{\circ}P\cdot PsP\gg PsPj, C,PePeP\gg PsPiC-PrPePSPsPj)$
 $P^{\circ}P\pm Ps\ C-P\cdot C\sharp PePjP\mu C,PePrPePSPsPj\ C\tilde{I}P\gg C-Pr\ P\pm C\acute{r}C,Pe\ PsP\pm P\mu C\tilde{H}P\mu P\P PSP\acute{e}PjPe,$
 $PiC\tilde{H}P\acute{e}P\cdot PSP^{\circ}C\sharp P^{\circ}C\tilde{H}C\sharp Pe\ PIP\mu C\tilde{H}C...PSC- PiC\tilde{H}P^{\circ}PSP\acute{e}C\sharp PSC- PrPsP\cdot Pe$
 $P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P-PSP\acute{e}P\P P\mu PSPSC\tilde{I}\ PrPsP\cdot Pe\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}$
 $PjPsP\P P\mu\ P\pm C\acute{r}C,Pe\ PSP\mu PsP\pm C...C-PrPSP\acute{e}Pj\ P\cdot P^{\circ}P\gg P\mu P\P PSPs\ PIC-Pr\ PeP\gg C-PSC-C\sharp PSPsC-$
 $PsC\sharp C-PSPePe$.

$P'PiP\gg PePI\ P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{e}\ PSP^{\circ}\ C,,P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PePeC\acute{e}\ C-PSC\epsilon PeC...$
 $P\cdot P^{\circ}C\tilde{I}PsP\pm C-PI. P\cdot C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}Pj\ C''\ C-PSPiC-P\pm C-C,PsC\tilde{H}PsPj\ P\mu PSP\cdot PePjC\acute{r}$
 $CYP2D6$.

$P\ P\mu PePsPjP\mu PSP\acute{r}C\acute{r}C''C,C\hbar C\tilde{I}C\tilde{I}\ PsP\pm P\mu C\tilde{H}P\mu P\P PSC-C\tilde{I}C,C\hbar\ PiC\tilde{H}P\acute{e}$
 $PsPrPSPsC\sharp P^{\circ}C\tilde{I}PSPsPjC\acute{r}\ P\cdot P^{\circ}C\tilde{I}C,PsC\tilde{I}C\acute{r}PIP^{\circ}PSPSC- P\mu C\tilde{I}C\sharp PeC,P^{\circ}P\gg PsPiC\tilde{H}P^{\circ}PjC\acute{r}\ P\cdot$
 $P\gg C-PeP^{\circ}C\tilde{H}C\tilde{I}C\hbar PePePjPe\ P\cdot P^{\circ}C\tilde{I}PsP\pm P^{\circ}PjPe, C\%Ps\ PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot C\acute{r}C\tilde{H}C,C\hbar C\tilde{I}C\tilde{I}$
 $PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj\ C\sharp PePj\ P\mu PSP\cdot PePjPsPj\ C- PjP^{\circ}C\tilde{H}C,C\hbar\ PIC\acute{r}P\cdot C\hbar PePePN_{\acute{e}}$
 $C,P\mu C\tilde{H}P^{\circ}PiP\mu PIC,PeC\sharp PSP\acute{e}PN_{\acute{e}}\ C-PSPrP\mu PeC\tilde{I}, PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr\ P\cdot$
 $C,,P\gg P\mu PeP^{\circ}C-PSC-PrPsPj, PiC\tilde{H}PsPiP^{\circ}C,,P\mu PSPsPSPsPj\ C- PjP\mu C,PsPiC\tilde{H}PsP\gg PsP\gg PsPj\ (PiC\tilde{H}P\acute{e}$
 $C\tilde{I}P\mu C\tilde{H}C\sharp P\mu PIC-PN_{\acute{e}}\ PSP\mu PrPsC\tilde{I}C,P^{\circ}C,PSPsC\tilde{I}C,C-), P^{\circ}P\pm Ps\ P\cdot PrP\mu Cl\IPePePjPe$
 $P\cdot P^{\circ}C\tilde{I}PsP\pm P^{\circ}PjPe, C\%Ps\ PIPiP\gg PePIP^{\circ}C\tilde{H}C,C\hbar\ PSP^{\circ}\ C\sharp P\mu PSC,C\tilde{H}P^{\circ}P\gg C\hbar PSC\acute{r}\ PSP\mu C\tilde{H}PIP\acute{r}C\acute{r}$
 $C\tilde{I}PeC\tilde{I}C,P\mu PjC\acute{r}\ C,P^{\circ}\ PjP\mu C,P^{\circ}P\pm PsP\gg C-P\cdot C\acute{r}C\tilde{H}C,C\hbar C\tilde{I}C\tilde{I}\ PiPsP\gg PsPIPSP\acute{e}Pj\ C\sharp PePSPsPj$
 $CYP2D6, PSP^{\circ}PiC\tilde{H}P\acute{e}PeP\gg P^{\circ}Pr\ C,P^{\circ}PePePjPe\ P^{\circ}PSC,PePrP\mu PiC\tilde{H}P\mu C\tilde{I}P^{\circ}PSC,P^{\circ}PjPe\ Cl\IPe$
 $PrP\mu P\cdot PePiC\tilde{H}P^{\circ}PjC-PS, PeP\gg PsPjC-PiC\tilde{H}P^{\circ}PjC-PS\ C- PSPsC\tilde{H}C,C\tilde{H}PePiC,PeP\gg C-PS, C,P^{\circ}PePePjPe$

Р°РSC,РёРiСГРёС...РsС,РёРёР°РјРё СiРё СГРёСГРiРµСГРёРРРsРS, С,С-РsСГРёРёРРР°Р·РёРS С-РiР°Р°»РsРiРµСГРёРёРРРsР». РёРsРР¶Р»РёРiР° РёРsСГРµРµСГС-Сi РРРsР·Рё.

РёРsРјР±С-РSP°СГС-Сi Р· РРµРµР·РёРiСГР°РјС-РSPsРј Р°Р±Рs РјРµС,РsРiСГРsР»РsР»РsРј РiСГРёР·РiРsРРРёР»° РРРs РРiРsСГР°Р·Р·РiРs РiС-РРiРiРёС%РµРSPSCi СГС-РiРSCi СР РiР»Р°Р·РјС- РёСГРsРiС- СГРёС... РРiРsС... СГСР±СГС,СГР°С,С-Рi СРР2D6.

Рј РРРsСГР»С-РРР¶РµРSPSCiС... *in vitro* Р±СРР»Рs РiСГРsРРРµРјРјРsРSCГС,СГРsРiР°РSPs, С%Рs РµСГСГРёС,Р°Р»»РsРiСГР°Рј СГРiСГРёСГРёСГРёРSCiС" СГР»Р°Р±РµРµ РiСГРёРiРsС-СГРµРSPSCi СРР2С19. Р РµРёРsРјРµРSPРiСГС"С,СёСГСi РsР±РµРµРµР¶РµРSPSC-СГС,Сё РiСГРё РsРРSPsСГР°СГРsРјСР Р·Р°СГС,РsСГСРiР°РSPSC- Р· Р»С-РёР°СГСГРёСРёРёРё Р·Р°СГРsР±Р°РјРё, С%Рs РјРµС,Р°Р±РsР»С-Р·СРiСГС,СёСГСi СРР2С19.

РёСГРsР±Р»РёРiРsСГС,С- Р·Р°СГС,РsСГСГРiР°РSPSCi.

РёРёР¶СГРµРµР°РµР·Р°РµРSP°СГРµРSC- РsСГРsР±Р»РёРiРsСГС,С- Р·Р°СГС,РsСГСРiР°РSPSCi СГС,РsСГСРiСГС,СёСГСi С,РµСГР°РiРµРiС,РёСГРSPs— РiСГСРiРё СГРµР»»РµРёС,РёРiРSPёС... С-РSPiС-Р±С-С,РsСГС-Рi Р·РiРsСГРsС,РSPsРiРs Р·Р°С...РsРiР»РµРSPSCi СГРµСГРsС,РsРSC-РSCР (РёРРР—Р—Рё).

РµР°СГР°РРРsРёСГР°Р»СГРSP° С,СГРёРiРsР¶РSC-СГС,Сё. Рј РРµСiРёРёС... РiР°СГС-С"РSC,С-Рi Р· РiР°РSC-СГРSPёРјРё СГРsР·Р»»РРР°РјРё РSP° РiРsСГР°С,РёСР Р»С-РёСРiР°РSPSCi Р°РSC,РёРРРµРiСГРµРµСГР°РµРSP°С,Р°РјРё РјРsР¶РµСГРiР»РSPSCi С,СГРёРiРsР¶РSPsСГС,С-. РµРsРРС-Р±РSP° РiР°СГР°РРРsРёСГР°Р»СГРSP° СГРµРµР°СГС-Сi Р·Р°Р·РiРёСГР°РµР Р·РSPёРёР°С" РiСГРsС,СiРiРsРј РРiРsС... С,РёР¶РSC-Рi Р»С-РёСРiР°РSPSCi. Р©РsР± Р·РјРµРSCёРёС,Рё С-РјРsРiС-СГРSC-СГС,Сё РiРёРSPёРёРSPµРSPSCi Р°РSPёСГС-РsРiРµРSPSPsРiРs РµС,,РµРёС,СР, СГРµРёРsРјРµРSPРiСГС,СёСГСi РSPёР·СёРёС- РiРsСГР°С,РёРsРiС- РРРsР·Рё (РРёРi. СГРsР·РС-Р» Р»РёРiРsСГС-Р± Р·Р°СГС,РsСГСРiР°РSPSCi С,Р° РРРsР·РёР»).

РёСГРiРsРјРSC- РSP°РiР°РРё. РёРµРµРsР±С...С-РРSPs РiС-РРјС-РSPёС,Рё Р»С-РёР°СГСГРёСРёРёРµ Р·Р°СГС-Р± СР СГР°Р·С-, СiРёС%Рs СР РiР°СГС-С"РSC,Р° РiРiРµСГРёС РµСГРiРiРsР·РiРiРsРiСГСi СГСРРРsРјРSPёРµ РSP°РiР°РР Р°Р±Рs СiРёС%Рs РSP°РiР°РРё СГР°СГС,С-СёР°СГС,Сё (СР РiР°СГС-С"РSC,С-Рi Р·С- РiСГС,Р°РSPsРiР»РµРSPёР РРС-Р°РiРSPsР·РsРј РµРiС-Р»РµРiСГС-С). РёР»С-РР СРSPёРёР°С,Рё Р·Р°СГС,РsСГСРiР°РSPSCi РёРРР—Р—Рё РiР°СГС-С"РSC,Р°Рј Р· РSPµСГС,Р°Р±С-Р»СГРSPsС РµРiС-Р»РµРiСГС-С"С, Р° РiР°СГС-С"РSC,Р°Рј Р· РёРsРSC,СГРsР»СГРsРiР°РSPsС РµРiС-Р»РµРiСГС-С"С Р»" Р·Р°Р±РµРµРµРiРµС,Рё РiРёР»СГРSPёРµ РSP°РiР»СiРР.

РёР°РSC-С—. РёРРР—Р—Рё СГР»С-РР Р· РsР±РµСГРµРµР¶РSC-СГС,Сё Р·Р°СГС,РsСГРsРiСРiР°Р°С,Рё РРР»Сi Р»С-РёСРiР°РSPSCi РiР°СГС-С"РSC,С-Рi Р· РјР°РSC-С"С/РiС-РiРsРјР°РSC-С"С Рi Р°РSP°РјРSPµР·С-. РµСГРё РiРsСiРiС- РјР°РSC-Р°РёР°Р»СГРSPsРiРs СГС,Р°РSCР РёРРР—Р—Рё СГР»С-РР РiС-РРјС-РSPёС,Рё.

РiСГРёСГРiРiРёРµ РРС-Р°Р±РµС,, Рј РiР°СГС-С"РSC,С-Рi С-Р· СГСРёСГРsРiРiРё РРС-Р°Р±РµС,РsРј Р»С-РёСРiР°РSPSCi РёРРР—Р—Рё РјРsР¶Рµ Р·РјС-РSCРiР°С,Рё РiР»С-РёРµРµРјС-СГРSPёРµ РёРsРSC,СГРsР»Сё. Р"РsР·СРiРiР°РSPSCi С-РSCГСР»С-РSCР С,Р°Р°Р±Рs РiРµСГРsСГР°Р»СГРSPs РiС-РiРsРiР»С-РёРµРµРјС-СГРSPsРiРs Р·Р°СГРsР±СР

PjPsP¶Pµ PīPsC, CĤPµP±CřPIP°C, Pē PePsCĤPµPeC†C-C—.

PŸCžC—C†PēPr, CĤCžC—C†PēPrP°P»CHPSC- PrCžPjPePē P°P±Ps PeP»C-PSC-C†PSPµ
PīPsPiC-CĤC€PµPSPSCĬ. P°PµPīCĤPµCĤC-CĬ PīPsPIBĤ™ CĬP·P°PSP° P· CĤPēP·PēPePsPj
CĤCřC—C†PēPrP°P»CHPSPēC... PrCřPjPsPe, CĤP°PjPsC, CĤP°PIPjCřPIP°PSPSCĬ C, P°
CĤCřC—C†PēPrCř. PjPµPNē CĤPēP·PēPe C-CĤPSCřC” P°P¶ PrPs PrPsCĤCĬPiPSPµPSPSCĬ
CĤC, C-PNēPePsC— CĤPµPjC-CĤC-C—. PhCĤPeC-P»CHPePē PīPsPeCĤP°C%PµPSPSCĬ
CĤC, P°PSCř PjPsP¶Pµ P±CřC, Pē PSPµ PrPsCĤCĬPiPSCřC, Pµ PīCĤPsC, CĬPiPsPj PīPµCĤC€PēC...
C, PēP¶PSC-PI P»C-PeCřPIP°PSPSCĬ P°P±Ps P±C-P»CHC€Pµ, CĤP»C-Pr CĤPµC, PµP»CHPSPs
CĤPiPsCĤC, PµCĤC-PiP°C, Pē P·P° PīP°C†C-C”PSC, P°PjPē PrPs PīPsPeCĤP°C%PµPSPSCĬ
C—C...PSCĤPsPiPs CĤC, P°PSCř. P°C-PrPsPjPs, C%Ps CĤPēP·PēPe CĤCřC—C†PēPrCř PjPsP¶Pµ
PīC-PrPIPēC%CřPIP°C, PēCĤCĬ PSP° CĤP°PSPSC-C... CĤC, P°PrC-CĬC... PsPrCřP¶P°PSPSCĬ.

P†PSC€C- CĤC, P°PSPē, PīCĤPē CĬPePēC... P·P°CĤC, PsCĤPsPICřCĤC, CH
PµCĤC†PēC, P°P»PsPīCĤP°Pj, C, P°PePsP¶ PjPsP¶CřC, CH P±CřC, Pē PīPsPIBĤ™ CĬP·P°PSC- P·
CĤPēP·PēPePsPj CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē. PĤCĤC-Pj C, PsPiPs,
C, P°PeC- CĤC, P°PSPē PjPsP¶CřC, CH P±CřC, Pē PePsPjPsCĤP±C-PrPSPēPjPē P· PIPµP»PēPePēPj
PrPµPīCĤPµCĤPēPIPSPēPj CĤPsP·P»P°PrPsPj. PjC- P·P°CĤC, PµCĤPµP¶PµPSPSCĬ
CĤC, PsCĤCřCĤC, CHCĤCĬ C, P°PePsP¶ P»C-PeCřPIP°PSPSCĬ PīP°C†C-C”PSC, C-PI P·
C-PSC€PēPjPē PīCĤPēC...C-C†PSPēPjPē CĤPsP·P»P°PrP°PjPē.

PµP°C†C-C”PSC, Pē P· P°PSP°PjPSPµP·PsPj CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē
C%Pµ PrPs PīPsC†P°C, PeCř P»C-PeCřPIP°PSPSCĬ PjP°CĤC, CH PSP°PNēPIPēC%PēPNē
CĤPēP·PēPe CĤCřC—C†PēPrP°P»CHPSPēC... PrCřPjPsPe P°P±Ps CĤCřC—C†PēPrP°P»CHPSPēC...
CĤPīCĤPsP± C- PīPsC, CĤPµP±CřCĤC, CH PīPēP»CHPSPsPiPs CĤPīPsCĤC, PµCĤPµP¶PµPSPSCĬ
PīCĤPsC, CĬPiPsPj P»C-PeCřPIP°PSPSCĬ. PĤPµC, P°P°PSP°P»C-P· PrPsCĤP»C-PrP¶PµPSCĤ P·
PIPēPePsCĤPēCĤC, P°PSPSCĬPj PµCĤC†PēC, P°P»PsPīCĤP°PjCř PIPēCĬPIPēPI
PīC-PrPIPēC%PµPSPēPNē CĤPēP·PēPe CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē
CĤPµCĤPµPr PīP°C†C-C”PSC, C-PI PIC-PePsPj PrPs 25 CĤPsPeC-PI, CĬPeC- PīCĤPēPNēPjP°P»Pē
P°PSC, PēPrPµPīCĤPµCĤP°PSC, Pē, PīPsCĤC-PIPSCĬPSPs P· C, PēPjPē, CĬPeC- PīCĤPēPNēPjP°P»Pē
PīP»P°C†PµP±Ps. PµPēP»CHPSPēPNē PSP°PiP»CĬPr P·P° PīP°C†C-C”PSC, P°PjPē P·
PIPēCĤPsPePēPj CĤPēP·PēPePsPj PsCĤPsP±P»PēPIPs PSPµPsP±C...C-PrPSPēPNē PSP°
PīPsC†P°C, PeCř P»C-PeCřPIP°PSPSCĬ C, P° PīCĤPē P·PjC-PSC- PrPsP·Pē.

PµP°C†C-C”PSC, C-PI C, P° PsCĤC-P±, CĬPeC- P·P° PSPēPjPē PrPsPiP»CĬPrP°CĤC, CH, CĤP»C-Pr
PīPsPīPµCĤPµPrPēC, Pē PīCĤPs PSPµPsP±C...C-PrPSC-CĤC, CH CĤPīPsCĤC, PµCĤPµP¶PµPSPSCĬ
C%PsPrPs P±CřPrCH-CĬPePsPiPs PīPsPiC-CĤC€PµPSPSCĬ CĤC, P°PSCř,
CĤCřC—C†PēPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePē P°P±Ps PrCřPjPsPe C-
PSPµP·PIPēC†PSPēC... P·PjC-PS Cř PīPsPIPµPrC-PSC†C-, P° C, P°PePsP¶ PīCĤPs
PSPµPsP±C...C-PrPSC-CĤC, CH PSPµPīP°PNēPSPsPiPs P·PIPµCĤPSPµPSPSCĬ PrPs
P»C-PeP°CĤCĬ Cř CĤP°P·C- CĤPsP·PIPēC, PeCř C†PēC... CĤPēPjPīC, PsPjC-PI.

PhPeP°C, PēP·C-CĬ/PīCĤPēC...PsPjPsC, PsCĤPSPµ P·P±CžPrP¶PµPSPSCĬ.
P—P°CĤC, PsCĤCřPIP°PSPSCĬ PŸP†P—P—PŸ/PŸP†P—P—PŸPř PīPsPIBĤ™ CĬP·P°PSPµ P·
CĤPsP·PIPēC, PePsPj P°PeP°C, PēP·C-C— BĤ” CĤC, P°PSCř, C%Ps
C...P°CĤP°PeC, PµCĤPēP·CřC”C, CHCĤCĬ PSPµPīCĤPēC”PjPSPēPj PIPēCĤPSP°P¶P»PēPIPēPj
PIC-PrC†CřC, C, CĬPj PSPµCĤPīPsPePsCĤ C, P° PīPsC, CĤPµP±PsCĤ CĤCřC...P°C, PēCĤCĬ C-
C†P°CĤC, Ps CĤCřPīCĤPsPIPsPrP¶CřC”C, CHCĤCĬ PSPµP·PrP°C, PSC-CĤC, CĤ CĤPēPrC-C, Pē
P°P±Ps CĤC, PsCĬC, Pē PSP° PsPrPSPsPjCř PjC-CĤC†C-. PŸP°PePēPNē CĤC, P°PS
PSP°PNēP±C-P»CHC€ C-PjPsPIC-CĤPSPēPNē PīCĤPsC, CĬPiPsPj PīPµCĤC€PēC...
PeC-P»CHPePsC... C, PēP¶PSC-PI P»C-PeCřPIP°PSPSCĬ. P—P±C-P»CHC€PµPSPSCĬ PrPsP·Pē
PjPsP¶Pµ PīPsPiC-CĤC€PēC, Pē CĤC, P°PS PīP°C†C-C”PSC, C-PI, Cř CĬPePēC...

$P''C-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-ClI. P''C-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-ClI, PjPsP\Pi P \gg P\ddot{e}PIPs,$
 $PiPsPiB\bar{H}^{\text{TM}} ClIP \cdot P^{\circ}PSP^{\circ} P \cdot PiPsC\bar{H}CrC\bar{E}P\mu PSPSC\bar{I}Pj Cl'P\mu PeC\bar{H}P\mu CtC-C-$
 $P^{\circ}PSC, P\ddot{e}PrC-CrC\bar{H}P\mu C, P\ddot{e}C\ddagger PSPsPiPs PiPsC\bar{H}PjPsPSCr' (P\bar{h}P''P''), PSP^{\circ} C, P \gg C- PiC\bar{H}P\ddot{e}PN\ddot{e}PsPjCr'$
 $P\ddot{Y}P\ddagger P-P-P\ddot{Y} PIP\ddot{e}PSP\ddot{e}PeP^{\circ}C'' C\bar{H}C-PrPePs C- P \cdot P^{\circ}P \cdot PIP\ddot{e}C\ddagger P^{\circ}PN\ddot{e} P \cdot PSP\ddot{e}PeP^{\circ}C'' PiC-Cl'P \gg ClI$
 $PIC-PrPjC-PSP\ddot{e} C, P\mu C\bar{H}P^{\circ}PiC-C-. P\ddot{Y}P\ddagger P-P-P\ddot{Y} Cl'P \gg C-Pr PiC\bar{H}P\ddot{e}P \cdot PSP^{\circ}C\ddagger P^{\circ}C, P\ddot{e} P \cdot$
 $PsP \pm P\mu C\bar{H}P\mu P\Pi PSC-Cl'C, C\bar{H} PiP^{\circ}C\ddagger C-C''PSC, P^{\circ}Pj PiC\bar{H}Cr'PiP\ddot{e} C\bar{H}P\ddot{e}P \cdot P\ddot{e}PeCr' (P \gg C-C, PSC-PN\ddot{e}$
 $PIC-Pe, PSP^{\circ}ClIPIPS-Cl'C, C\bar{H} CtP\ddot{e}C\bar{H}PsP \cdot Cr' PiP\mu CtC-PSPeP\ddot{e} P^{\circ}P \pm Ps PsPrPSPsC\ddagger P^{\circ}Cl'PSP\mu$
 $P \gg C-PeCr'PIP^{\circ}PSPSC\bar{I} P \gg C-PeP^{\circ}C\bar{H}Cl'CHPeP\ddot{e}PjP\ddot{e} P \cdot P^{\circ}Cl'PsP \pm P^{\circ}PjP\ddot{e}, C\%Ps$
 $Cl'PiC\bar{H}P\ddot{e}C\ddagger P\ddot{e}PSC\bar{I}C\bar{H}C, C\bar{H} PiC-PiPsPSP^{\circ}C, C\bar{H}C-C''PjC-C\bar{H}).$

$P \cdot P\check{Y}P\check{y}$ ($P_{\mu}P \gg P_{\mu}PeC, C\check{H}PsC\check{I}C\acute{z}PrPsPjPSP^{\circ} C, P_{\mu}C\check{H}P^{\circ}PiC-C\check{I}$). $P_{\check{y}}P \gg C-PSC-C\ddagger PSP\check{e}PN_{\check{e}}$
 $PrPsC\check{I}PIC-Pr PsPrPSPsC\ddagger P^{\circ}C\check{I}PSPsPiPs P \cdot P^{\circ}C\check{I}C, PsC\check{I}C\acute{r}PiP^{\circ}PSPSC\check{I} P\check{Y}P\ddagger P-P-P\check{Y} C, P^{\circ} P \cdot P\check{Y}P\check{y}$
 $PsP\pm PjP_{\mu}P\Pi P_{\mu}PSP\check{e}PN_{\check{e}}, C, PsPjC\acute{r} C\check{H}P_{\mu}PePsPjP_{\mu}PSP\check{r}C\acute{r}C''C, CHC\check{I}C\check{I}$
 $PsP\pm P_{\mu}C\check{H}P_{\mu}P\Pi PSC-C\check{I}C, CH.$

*PŸPµCŤPsC,PsPSC-PSPsPIPëPNë CÍPëPSPrCŤPsPj. P PµPePsPjPµPSPrCíC”C,ChCÍCŤ
PsP±PµCŤPµPŤPSC-CÍC,Ch PíCŤPë PsPrPSPsC±P°CÍPSPsPjCí P·P°CÍC,PsCÍCíPíP°PSPSC-
PµCÍC†PëC,P°P»PsPíCŤP°PjCí P·P»C-PeP°CŤCÍChPePëPjPë P·P°CÍPsP±P°PjPë, C%oPs
C±PëPSCŤC,Ch CÍPµCŤPsC,PsPSC-PSPµCŤPiC-C±PSCí PrC-CŤ, C,P°PePëPjPë CŤPe
C,CŤPëPíC,P°PSPë (PIPeP»CŤC±P°CŤC±Pë CÍCíPjP°C,CŤPëPíC,P°PS), B PsPíC-PsC—PrPë
(PIPeP»CŤC±P°CŤC±PëB C,CŤP°PjP°PrPsP») C- C,CŤPëPíC,PsC,,P°PS.*

Pj PīP°C†C-C°PSC,C-PI, C‡PpEC- PīC‡PēPNēPjP°C‡C,C‡ PŸP†P—P—PŸ PsPrPSPsC†P°C†PSPs C-P·
C†PμC‡PsC,PsPSC-PSPμC‡PiC-C†PSPēPjPē P»C-PeP°C‡C†C‡PePePēPjPē P·P°C†PsP±P°PjPē, C†
PiPsPsPrPēPSPsPePēC... PIPēPīP°PrPeP°C... PjPsP¶Pμ C‡PsP·PIPēPSC†C,PēC†C‡
C†PμC‡PsC,PsPSC-PSPsPIPēPNē C†PēPSPrC‡PsPj. PkPμPsP±C...C-PrPSPs P·
PsP±PμC‡PμP¶PSC-C†C,C‡ P·P°C†C,PsC†PsPIC†PIP°C,Pē PμC†C†PēC,P°P»PsPīC‡P°Pj
PsPrPSPsC†P°C†PSPs P· P»C-PeP°C‡C†C‡PePePēPjPē P·P°C†PsP±P°PjPē, C‰Ps C†PēPSC‡C,C‡

СГРµСГПсС,PsPSC-PSРµСГРµС-С±PSCr PrC-СГ. РкР° РNеPsPiPs СГПсР·PIPёC,PsPe PjPsP¶Pµ
PIPeP°P·CrPIP°C,Pe PePsPjP±C-PSР°C†C-Сµ C,Р°PePёC... СГРёPjPiC,PsPjC-PI СµPe
Р°P¶PёC,Р°C†C-Сµ, C,СГРµPjPsСГ, PjC-PsPeP»PsPSCrCГ, PiC-PiPµСГC,РµСГPjC-Сµ. P¶PeC%Ps
PIPePSPёPeP»Р° C,Р°PeP° СГРёC,СrР°C†C-Сµ, C,Ps PŸP†P—P—PŸ C-
СГРµСГПсС,PsPSC-PSРµСГРµС-С±PSC- P»C-PeP°СГСГСГPeC- P·Р°СГРсP±Pe
PSРµPsP±C...C-PrPSPs C,РµСГPjC-PSPsPIPs PIC-PrPjC-PSPёC,Pe C- PiСГPёP·PSP°C±PeC,Pe
СГРёPjPiC,PsPjP°C,PeC±PSРµ P»C-PeCrPIP°PSPSCµ.

P—PIC-СГПсP±C-PNе. PhPrPSPsC±Р°СГPSРµ P·Р°СГC,PsCГCГPIP°PSPSCµ PŸP†P—P—PŸ C,Р°
СГПсСГР»PёPSPSPёC... P·Р°СГРсP±C-PI, C%Ps PjC-СГC,СµC,СГ P·PIC-СГПсP±C-PNе, PjPsP¶Pµ
PiСГPёP·PIPµCГC,Pe PrPs PiC-PrPIPёC%PµPSPSCµ C±Р°СГC,PsC,Pe PiPsP±C-С±PSPёC...
СГРµP°PeC†C-PNе (PrPёPI. СГПсP·PrC-P» B«P'P·Р°C"PjPsPrC-Сµ P· C-PSCёPёPjPe
P»C-PeP°СГСГСГPePёPjPe P·Р°СГРсP±P°PjPe C,Р° C-PSCёC- PIPёPrPё PIP·Р°C"PjPsPrC-PNеB»).

PŸPёPjPiC,PsPjPe PIC-PrPjC-PSPё. PŸPёPjPiC,PsPjPe PIC-PrPjC-PSPё PiСГPё
P·Р°PeC-PSC±PµPSPSC- P»C-PeCrPIP°PSPSCµ, PsCГРсP±P»PёPIPs СГC-P·PePsPjCr, C"
PiPsCёPёСГPµPSPёPjPe. P'C-PrPsPjPs, C%Ps Cr PrPsCГР»C-PrP¶PµPSPSCµC... PiСГPё
PiСГPёPiPёPSPµPSPSC- P»C-PeCrPIP°PSPSCµ PiPsP±C-С±PSC- PµC,,PµPeC,Pe
PIPePSPёPeP°P»Pe PiСГPёP±P»PёP·PSPs Cr 25 % PiP°C†C-C"PSC,C-PI, СµPeC-
PiСГPёPNеPjP°P»Pe PµCГC†PeC,Р°P»PsPiСГP°Pj, C,Р° Cr 15 % PiP°C†C-C"PSC,C-PI, СµPeC-
PiСГPёPNеPjP°P»Pe PiP»P°C†PµP±Ps. P PёP·PёPe СГРёPjPiC,PsPjC-PI PIC-PrPjC-PSPё PjPsP¶Pµ
P·Р°P»PµP¶P°C,Pe PIC-Pr PeC-P»СГPePsC... C,,P°PeC,PsСГC-PI, Cr C,, C±. PIC-Pr
C,СГPёPIP°P»PsCГC,C- C,Р° PrPsP·Pe, CёPIPёPrPePsCГC,C- P·PSPёP¶PµPSPSCµ PrPsP·Pe.
P—P°PiP°PjPsСГPсC±PµPSPSCµ, СГРµPSCГРсСГPсC- PiPsСГCёPµPSPSCµ (Cr C,, C±.
PiP°СГРµCГC,РµP·C—, PIC-PrC±CrC,C,Сµ CrPrP°СГCГ СГC,СГCГPjPsPj), СГПсP·P»P°PrPё
СГPSCr (Cr C,, C±. P±PµP·CГРсPSPSCµ, СµCГPeСГP°PIC- СГPSPsPIPёPrC-PSPSCµ),
P·P±CrPrP¶PµPSPSCµ P°P±Ps C,СГPёPIPsP¶PSC-СГC,СГ, PSCrPrPsC,Р° C,Р°/Р°P±Ps
P±P»СГPIP°PSPSCµ, C,СГРµPjPsСГ, СГPiP»CrC,Р°PSC-СГC,СГ СГPIC-PrPsPjPsCГC,C-,
PiC-PrPIPёC%PµPSPµ PiPsC,PsPIPёPrC-P»PµPSPSCµ, PiPsP»PsPIPSPёPNе P±C-P»СГ,
PrC-P°СГРµCµ, PiPsCГPёP»PµPSPµ СГРµСГC†PµP±PeC,C,Сµ, РµPjPsC†C-PNеPSP°
PSРµCГC,Р°P±C-P»СГPSC-СГC,СГ, PrСГP°C,C-PIP»PёPIC-СГC,СГ C- PiPsСГCёPµPSPSCµ
P·PsСГCГ C" PSP°PNеC±Р°СГC,C-СёPёPjPe СГРµP°PeC†C-СµPjPe. P—P°P·PIPёC±P°PNе C†C-
СГРёPjPiC,PsPjPe C" P»PµPiPePёPjPe P°P±Ps СГРµСГРµPrPSC-PjPe P·Р° C,СµP¶PeC-СГC,СГ,
Р°P»Pµ Cr PrPµCµPePёC... PiP°C†C-C"PSC,C-PI PjPsP¶CГC,СГ P±CrC,Pe C,СµP¶C±PёPjPe.
P'PsPSPё P·Р°P·PIPёC±P°PNе PIPёPSPёPeP°СГC,СГ PiСГPsC,СµPiPsPj PiPµСГCёPёC...
PeC-P»СГPePsC... PrC-P± PiC-СГР»Cµ PiСГPёPiPёPSPµPSPSCµ P»C-PeCrPIP°PSPSCµ, Р°P»Pµ
P±CrP»Pe PrCrP¶Pµ СГC-PrPeC-СГPSC- PiPsPIC-PrPsPjP»PµPSPSCµ PiСГPs PiPsPrC-P±PSC-
СГРёPjPiC,PsPjPe Cr PiP°C†C-C"PSC,C-PI, СµPeC- PIPёPiP°PrPePsPIPs PiСГPsPiCГCГC,PeP»Pe
PrPsP·Cr. P¶Pe PiСГP°PIPёP»Ps, СГРёPjPiC,PsPjPe PIC-PrPjC-PSPё PjPёPSP°СГC,СГ
PiСГPsC,СµPiPsPj 2 C,PeP¶PSC-PI, PsPrPSP°Pe Cr PrPµCµPePёC... PiP°C†C-C"PSC,C-PI
PjPsP¶CГC,СГ C,СГPёPIP°C,Pe P±C-P»СГCёPµ (2-3 PjC-СГCµC†C- Р°P±Ps P±C-P»СГCёPµ).
PŸP°PePёPj C±PёPSPsPj, СГРµPePsPjPµPSPrCrC"С,СГCГCµ PiPsCГC,СrPiPsPIPµ
PiСГPёPiPёPSPµPSPSCµ P»C-PeCrPIP°PSPSCµ PµCГC†PeC,Р°P»PsPiСГP°PjPsPj CёP»CµC...PsPj
P·PSPёP¶PµPSPSCµ PrPsP·Pe PiСГPsC,СµPiPsPj PeC-P»СГPePsC... C,PeP¶PSC-PI Р°P±Ps
PjC-СГCµC†C-PI, P·Р°P»PµP¶PSPs PIC-Pr CГC,Р°PSCr PiP°C†C-C"PSC,Р° (PrPёPI. СГПсP·PrC-P»
B«PŸPiPsCГC-P± P·Р°СГC,PsCГCГPIP°PSPSCµ C,Р° PrPsP·PeB»).

PŸPµPeCГCзP°P»СГPSP° PrPёCГC,,CзPSPeC†C-Сµ. PŸP†P—P—PŸ/P†P—P—PŸPк PjPsP¶CГC,СГ
СГPiСГPёC±PёPSCµC,Pe СГРёPjPiC,PsPjPe СГРµPeCГCГP°P»СГPSPsC—
PrPёCГC,,CзPSPeC†C-C— (PrPёPI. СГПсP·PrC-P» B«PµPsP±C-С±PSC- СГРµP°PeC†C-C—B»).
P'CrP»Pe PiPsPIC-PrPsPjP»PµPSPSCµ PiСГPs C,СГPёPIP°P»C- СГРµPeCГCГP°P»СГPSC-

$$\begin{aligned} & \text{PrP}\ddot{\text{e}}\text{C}\acute{\text{r}}\text{C}\text{'}\text{,C}\acute{\text{r}}\text{PSPeC}\dagger\text{C-C—, PrP}_{\mu} \text{ B C}\acute{\text{r}}\text{P}\ddot{\text{e}}\text{PjP}\ddot{\text{i}}\text{C},\text{PsPjP}\ddot{\text{e}} \text{P}\ddot{\text{i}}\text{C}\text{H}\text{PsPrPsPIP}\P\text{C}\acute{\text{r}}\text{PIP}^{\circ}\text{P}\rangle\text{P}\ddot{\text{e}}\text{C}\acute{\text{r}}\text{C}\text{C}\text{I} \\ & \text{P}\ddot{\text{i}}\text{C-C}\acute{\text{r}}\text{P}\rangle\text{C}\text{C}\text{I} \text{P}\ddot{\text{i}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{P}\ddot{\text{i}}\text{P}\ddot{\text{e}}\text{PSP}_{\mu}\text{PSPSC}\text{C}\text{I} \text{P}\rangle\text{C-PeC}\acute{\text{r}}\text{PIP}^{\circ}\text{PSPSC}\text{C}\text{I} \text{P}\ddot{\text{Y}}\text{P}\dagger\text{P-P-P}\ddot{\text{Y}} / \text{P}\dagger\text{P-P-P}\ddot{\text{Y}}\text{P}\acute{\text{K}}. \end{aligned}$$

$P \vdash C \in P_{\mu} P_j C - C \nmid P S P^{\circ} \quad C \dots P I P s C \bar{H} P s P \pm P^{\circ} \quad C \bar{I} P_{\mu} C \bar{H} C \vdash C \bar{I} I. \quad P \quad P_{\mu} P e P s P_j P_{\mu} P S P r C r C'' C, C \bar{H} C \bar{I} C \bar{I} \quad P \cdot$
 $P s P \pm P_{\mu} C \bar{H} P_{\mu} P \bar{I} P S C - C \bar{I} C, C \bar{H} \quad P i C \bar{H} P \bar{e} P \cdot P S P^{\circ} C \nmid P^{\circ} C, P \bar{e} \quad P \gg C - P e P^{\circ} C \bar{H} C \bar{I} C \bar{H} P e P \bar{e} P N_{\circ}$
 $P \cdot P^{\circ} C \bar{I} C - P \pm \quad P \bar{i} P^{\circ} C \vdash C - C'' P S C, P^{\circ} P_j \quad P \cdot \quad C - C \in P_{\mu} P_j C - C \nmid P S P s C \bar{H} \quad C \dots P I P s C \bar{H} P s P \pm P s C \bar{H}$
 $C \bar{I} P_{\mu} C \bar{H} C \vdash C \bar{I} \quad C \nmid P_{\mu} C \bar{H} P_{\mu} P \cdot \quad P s P \pm P_j P_{\mu} P \bar{I} P_{\mu} P S P \bar{e} P N_{\circ} \quad P e P \gg C - P S C - C \nmid P S P \bar{e} P N_{\circ} \quad P r P s C \bar{I} P I C - P r.$

PμPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cé QT. P'PëC¶IPIP»PμPSPs, C%oPs
PμCÍC†PëC,P°P»PsPiC¶P°Pj CÍPíC¶PëC‡PëPSC¶IC” PrPsP·PsP·P°P»PμP¶PSPμ
PiPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cr QPÿ. PJ
PiC-CÍP»C¶C¶PμC”CÍC,C¶P°C†C-PNëPSPëPNë PiPμC¶JC-PsPr PiPsPIC-PrPsPjP»C¶IP»PsCÍC¶
PiC¶Js PIPëPiP°PrPePë PiPsPrPsPIP¶PμPSPSC¶C-PSC,PμC¶HIP°P»Cr QT C,P°
CèP»CrPSPsC‡PePsPIPëC... P°C¶PëC,PjC-PNë, Cr C,PsPjCr C‡PëCÍP»C- PiPsP»C-PjPsC¶JC,,PSPsC—
*CèP»CrPSPsC‡PePsPIPsC— C,P°C...C-PeP°C¶JPrC-C— (*torsade de pointes*), PiPμC¶JPμIP°P¶PSPs*
Cr PiP°C†C-C”PSC,C-PI P¶IC-PSPsC‡PsC— CÍC,P°C,C- P· PiC-PiPsPeP°P»C-C”PjC-C”C¶ P°P±Ps
C¶P°PSC-CèPμ C-CÍPSCrC¶C‡PëPj PiPsPrPsPIP¶PμPSPSC¶Pj C-PSC,PμC¶HIP°P»Cr QT, P°P±Ps
C-PSCèPëPjPë CÍPμC¶JC†PμIPëPjPë P·P°C...PIPsC¶JC¶HIP°PSPSC¶PjPë (PrPëPI. C¶PsP·PrC-P»Pë
B«PμC¶JsC,PëPiPsPeP°P·P°PSPSC¶IB», B«P’P·P°C”PjPsPrC-C¶ P· C-PSCèPëPjPë
P»C-PeP°C¶CÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSCèC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PμPsP±C-C‡PSC- C¶PμP°PeC†C-C—B», B«PμPμC¶JPμPrPsP·CrPIP°PSPSC¶IB» C,P°
B«PαP°C¶PjP°PePsPrPëPSP°PjC-PeP°B»).

P P_μP_eP_sP_jP_μPSP_rCrC''C,CHClCΠ P· PsP±P_μCT_μP_μPΠPSC-Cl'C,CT P·P°Cl'C,PsCl'PsPICrPIP°C,Pë
P»C-PeP°CT_μCl'CHPePëP_μ P·P°Cl'C-P± PiP°C†C-C''PSC,P°P_j P·C- P·PSP°C‡PSPsCT
P±CT_μP°PrPëPeP°CT_μPrC-C''CT P°P±Ps PiP°C†C-C''PSC,P°P_j C-P· PSP_μC%₀₀PsPrP°PIPSPs
PiP_μCT_μP_μPSP_μCl'P_μPSPëP_j PiPsCl'C,CT_μPëP_j C-PSC,,P°CT_μPeC,PsP_j P_jC-PsPeP°CT_μPrP° P°P±Ps
PSP_μPePsP_jPiP_μPSCl'PsPIP°PSPsCT Cl'P_μCT_μ‡P_μPIPsCT PSP_μPrPsCl'C,P°C,PSC-Cl'C,CT.

$P \cdot P \gg P_{\mu}PeC, C_{\overline{H}}PsP \gg C-C, PSC- C_{\overline{H}}PsP \cdot P \gg P^{\circ}PrP\ddot{e}, C, P^{\circ}PeC- C_{\overline{H}}Pe \quad PiC-PiPsPeP^{\circ}P \gg C-C''PjC-C_{\overline{H}} \quad C, P^{\circ}PiC-PiPsPjP^{\circ}PiPSC-C''PjC-C_{\overline{H}}, PiC-PrPIP\ddot{e}C\%CrC_{\overline{H}}C, C_{\overline{H}}C_{\overline{H}}P\ddot{e}P \cdot P\ddot{e}Pe \quad PiP\ddot{e}PSP\ddot{e}PePSP_{\mu}PSPSC_{\overline{H}}P \cdot P \gg PsC_{\overline{H}}PeC-C_{\overline{H}}PSP\ddot{e}C... \quad P^{\circ}C_{\overline{H}}P\ddot{e}C, PjC-PM_{\overline{e}}, C- C-C... \quad C_{\overline{H}}P \gg C-Pr \quad PePsC_{\overline{H}}P\ddot{e}PiCrPIP^{\circ}C, P\ddot{e} \quad PrPs \quad PiPsC_{\overline{H}}P^{\circ}C, PeCr \quad P \gg C-PeCrPIP^{\circ}PSPSC_{\overline{H}} \quad P_{\mu}C_{\overline{H}}C_{\overline{H}}P\ddot{e}C, P^{\circ}P \gg PsPiC_{\overline{H}}P^{\circ}PjPsPj.$

PJ PiP°C†C-C"PS C,C-PI C-P· P·P°C...PIPsC₇C₇PIP°PSPSC₇PjPë CÍP_μC₇C†C₇ P·C-CÍC₇,P°P±C-P»CH₃PSPëPj PiP_μC₇P_μP±C-PiPsPj PrPs PiPsC†P°C,PeCr P»C-PeCrPIP°PSPSC₇ CÍP»C-P₇ PiP_μC₇P_μPiP»C₇PSCÍC₇,Pë P·P₇P".

$\text{P}\ddot{\text{P}}\text{eC}\%_{\text{O}}\text{Ps} \quad \text{P}\ddot{\text{C}}-\text{Pr} \quad \text{C}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{I}} \quad \text{P}\gg\text{C}-\text{PeCrPIP}^{\circ}\text{PSPSC}\dot{\text{U}} \quad \text{P}_{\mu}\text{C}\dot{\text{I}}\text{C}\ddot{\text{P}}\ddot{\text{C}},\text{P}^{\circ}\text{P}\gg\text{PsP}\ddot{\text{C}}\dot{\text{H}}\text{P}^{\circ}\text{PjPsPj}$
 $\text{PIP}\ddot{\text{P}}\text{PSP}\ddot{\text{P}}\text{PeP}^{\circ}\text{C}\dot{\text{H}}\text{C},\text{CH}\text{PsP}\cdot\text{PSP}^{\circ}\text{PeP}\ddot{\text{P}} \quad \text{C}\dot{\text{I}}\text{P}_{\mu}\text{C}\dot{\text{H}}\text{C}\ddot{\text{P}}\text{P}_{\mu}\text{PIP}\text{S}\text{C}- \quad \text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}\ddot{\text{C}},\text{PjC}-\text{C}-, \quad \text{C}\dot{\text{I}}\text{P}\gg\text{C}-\text{Pr}$
 $\text{P}\ddot{\text{C}}\dot{\text{H}}\text{P}\ddot{\text{P}}\text{P}\ddot{\text{P}}\ddot{\text{P}}\text{PSP}\ddot{\text{C}},\text{P}\ddot{\text{P}} \quad \text{P}\gg\text{C}-\text{PeCrPIP}^{\circ}\text{PSPSC}\dot{\text{U}} \quad \text{C}- \quad \text{P}\cdot\text{C}\dot{\text{H}}\text{PsP}\pm\text{P}\ddot{\text{C}},\text{P}\ddot{\text{P}} \quad \text{P}\cdot\text{P}\dot{\text{L}}\text{P}^{\circ}.$

$P \rightarrow P^{\circ}PeC\overline{H}P\overline{P}eC, PsPeC\overline{C}C, PsPIP^{\circ}PiP \gg P^{\circ}C\overline{C}PePsPjP^{\circ}. P\overline{Y}P \vdash P \rightarrow P \rightarrow P\overline{Y}, CrC, PsPjCrC \vdash P\overline{P}eC\overline{C}P \gg C -$
 $P_{\mu}C\overline{C}C \vdash P\overline{P}eC, P^{\circ}P \gg PsP\overline{C}H\overline{H}P^{\circ}Pj, PjPsP\overline{P}CrC, CH\overline{H}PIP \gg P\overline{P}ePIP^{\circ}C, P\overline{P}PSP^{\circ}C\overline{H}PsP \cdot PjC - C\overline{H}P \cdot C - PSP\overline{P}eC \vdash C -,$
 $C\%Ps\overline{P}iC\overline{H}PsC\overline{C}PIP \gg C\overline{C}C''C, CH\overline{C}C\overline{C}C\overline{C}PjC - PrC\overline{H}C - P^{\circ}P \cdot PsPj. P \rightarrow C - C\overline{C}PIPSPiPsP \pm PsPeCr,$
 $C\overline{H}PsP \cdot C\overline{P}eC\overline{H}P_{\mu}PSPSC\overline{C}P \cdot C - PSP\overline{P}eC \vdash C - PjPsP\overline{P}P_{\mu}P \cdot CrPjPsPIP \gg CHPIP^{\circ}C, P\overline{P}P \cdot PICrP\overline{P}P_{\mu}PSPSC\overline{C}$
 $PeCrC, P^{\circ}PsPeP^{\circ}C -, C\overline{C}PePSP^{\circ}C\overline{C}P \gg C - PrPsPe, P\overline{C}C - PrPIP\overline{P}eC\%CrPIP^{\circ}C, P\overline{P}$
 $PIPSCrC, C\overline{H}C - C\overline{P}SCHPsPsC \vdash PSP\overline{P}eN\overline{C}C, P\overline{P}eC\overline{C}PeC, P^{\circ}P\overline{C}H\overline{H}PsPIPSPeCrPIP^{\circ}C, P\overline{P}$
 $P \cdot P^{\circ}PeC\overline{H}P\overline{P}eC, PsPeCrC, PsPICrPiP \gg P^{\circ}CrPePsPjCr, PsC\overline{C}PsP \pm P \gg P\overline{P}eIPsCrC\overline{C}C...P\overline{P} \gg CH\overline{H}PSP\overline{P}eC...$
 $PrPsC \vdash CH\overline{H}PsPiPsP\overline{P}iP^{\circ}C \vdash C - C''PSC, C - PI. P\overline{Y}PsPjCrP_{\mu}C\overline{C}C \vdash P\overline{P}eC, P^{\circ}P \gg PsP\overline{C}H\overline{H}P^{\circ}PjC\overline{C}P \gg C - PrP \cdot$
 $PsP \pm P_{\mu}C\overline{H}P_{\mu}P\overline{P}PSC - C\overline{C}C, CH\overline{H}P \cdot P^{\circ}C\overline{C}C, PsC\overline{C}PsPICrPIP^{\circ}C, P\overline{P}P\overline{P}iP^{\circ}C \vdash C - C''PSC, P^{\circ}PjC - P \cdot$
 $P \cdot P^{\circ}PeC\overline{H}P\overline{P}eC, PsPeCrC, PsIPsCH\overline{H}PiP \gg P^{\circ}CrPePsPjPsCH\overline{H}P^{\circ}P \pm PsPiP \gg P^{\circ}CrPePsPjPsCH\overline{H}PI$

P°PSP°PjPSPµP·C-.

P°PsPiPsPjC-P°PSC- CḡPµC±PsPIPëPSPë. P|PµPNë P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P±
PjC-CíC,PëC,Cḡ PjPµPSC€Pµ 1 PjPjPsP»Cḡ PSP°C,CḡC-Cḡ (23 PjPi), C,PSP±C,PSP
PíCḡP°PeC,PëC±PSPs PIC-P»CḡPSPëPNë PIC-Pr PSP°C,CḡC-Cḡ.

P—P°CíC,PSCíC±PIP°PSPSCḡ C± PíPµCḡC-PsPr PIP°PiC-C,PSPSCíC,C- P°P±Ps
PiPsPrC±PIP°PSPSCḡ PiCḡC±PrPrCḡ.

P°P°PiC-C,PSC-CíC,Cḡ. PḡP»C-PSC-C±PSC- PrP°PSC- C%PsPrPs P·P°CíC,PSCíC±PIP°PSPSCḡ
PµCíC±PëC,P°P»PsPíCḡP°PjCí PíCḡPë P»C-PeCíPIP°PSPSC- PIP°PiC-C,PSPëC...
PsP±PjPµP°PµPSC-.

P°C-PrPsPjPs, C%Ps PrPsCíP»C-PrP°PµPSPSCḡ PSP° C,PIP°CḡPëPSP°C... PíPsPeP°P·P°P»Pë
CḡPµPíCḡPsPrCíPeC,PëPIPSCí C,PSPeCíPëC±PSC-CíC,Cḡ.

P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P± P·CíC±PëC,P°Pj^B PḡCíC-PSPs
PíCḡPsC,PëPíPsPeP°P·P°PSPëPNë PIP°PiC-C,PSPëPj, P·P° PIPëPSCḡC,PePsPj PIPëPíP°PrPeC-PI,
PePsP»Pë PíC-CíP»Cḡ CḡPµC,PµP»CḡPSPsPiPs CḡPsP·PiP»CḡPrCí PICíC-C...
PSPµPrPsP»C-PeC-PI C- PíPµCḡPµPIP°Pi P±CíP»P° C±C-C,PePs PrPsPIPµPrPµPSP°
PSPµPsP±C...C-PrPSC-CíC,Cḡ PíCḡPëP·PSP°C±PµPSPSCḡ P»C-PeP°CḡCíCḡPePsPiPs
P·P°CíC±P±Cí.

P PµPePsPjPµPSPPrCíC°C,CḡCíCḡ CḡPµC,PµP»CḡPSPµ PsP±CíC,PµP°PµPSPSCḡ
PSPsPiPsPSP°CḡPsPrP°PµPSPëC..., PjP°C,PµCḡC- CḡPePëC... PíCḡPëPNëPjP°P»Pë
P»C-PeP°CḡCíCḡPePëPNë P·P°CíC-P± P·CíC±PëC,P°Pj^B PḡCíC-PSPs PíCḡPsC,CḡPiPsPj
PIP°PiC-C,PSPSCíC,C-, PsCíC±P»PëPíPs PI P±P±P± C,CḡPëPjPµCíC,CḡC-.
PḡPµPsP±C...C-PrPSPs CíPSPëPeP°C,Pë CḡP°PiC,PSPiPsPiPs PíCḡPëPíPëPSPµPSPSCḡ
P·P°CíC,PSCíC±PIP°PSPSCḡ P»C-PeP°CḡCíCḡPePsPiPs P·P°CíC±P±Cí Cí PíPµCḡC-PsPr
PIP°PiC-C,PSPSCíC,C-.

Pj PSPsPiPsPSP°CḡPsPrP°PµPSPëC..., PjP°C,PµCḡC- CḡPePëC... PíCḡPëPNëPjP°P»Pë
PŸP±P—P—PŸ/PŸP±P—P—PŸPḡ PSP° PíC-P·PSC-C... CíC,P°PrC-CḡC... PIP°PiC-C,PSPSCíC,C-
PjPsP°P»PëPíPµ PIPëPSPëPePSPµPSPSCḡ C,P°PePëC... CíPëPjPiC,PsPjC-PI:
CḡPµCíPíC-CḡP°C,PsCḡPSPëPNë PrPëCíC,CḡPµCí, C±C-P°PSPsP·, P°PíPSPsPµ, CíCíPrPsPjPë,
PePsP»PëPIP°PSPSCḡ C,PµPjPiPµCḡP°C,CíCḡPë C,C-P»P°, PíCḡPsP±P»PµPjPë PíC-Pr C±P°Cí
PiPsPrCíPIP°PSPSCḡ, P±P»CḡPIP°PSPSCḡ, PiC-PíPsPiP»C-PePµPjC-Cḡ, PiC-PíPµCḡC,PsPSC-Cḡ
P°P±Ps PiC-PíPsC,PsPSC-Cḡ, PiC-PíPµCḡCḡPµC,,P»PµPeCíC-Cḡ, C,CḡPµPjPsCḡ,
PSPµCḡPiPsPiPµ P·P±CíPrP°PµPSPSCḡ, PrCḡP°C,C-PIP»PëPIC-CíC,Cḡ, P°PíP°C,C-Cḡ,
PíPsCíC,C-PNëPSPëPNë PíP»P°C±, CíPsPSP»PëPIC-CíC,Cḡ C- C,CḡCíPrPSPsC%C- P·C-
CíPSPsPj. PíC- CíPëPjPiC,PsPjPë PjPsP°CíC,Cḡ CḡPsP·PIPëPSCíC,PëCíCḡ PIPSP°CíP»C-PrPsPe
CḡPe CíPµCḡPsC,PsPSC-PSPµCḡPiC-C±PSPëC... PµC,,PµPeC,C-PI, C,P°Pe C- P±CíC,Pë
PsP·PSP°PeP°PjPë CíPëPSPrCḡPsPjCí PIC-PrPjC-PSPë. Pj P±C-P»CḡC€PsCíC,C-
PIPëPíP°PrPeC-PI PíCḡPsCḡPIPë CíCíPeP»P°PrPSPµPSCḡ PIPëPSPëPeP°CḡC,Cḡ PsPrCḡP°P·Cí
P°P±Ps C±PµCḡPµP· PSPµP·PSP°C±PSPëPNë C±P°Cí (< 24 PiPsPrPëPs) PíC-CíP»Cḡ
PíPsP»PsPiC-PI.

P·PiC-PrPµPjC-PsP»PsPiC-C±PSC- PrP°PSC- PíPsPeP°P·P°P»Pë, C%Ps
P·P°CíC,PSCíC±PIP°PSPSCḡ PŸP±P—P—PŸ PIP°PiC-C,PSPëPj PjPsP°Pµ PíC-PrPIPëC%CíPIP°C,Pë
CḡPëP·PëPe CíC,C-PNëPePsC— P»PµPiPµPSPµPiPsC— PiC-PíPµCḡC,PµPSP·C-C— Cí

PSPsPIPsPSP°CḡPsPrP¶PµPSPëC... (PrPs 5 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC...). PJ P·P°PiP°P»CHbPSC-PNḡ PïPsPïCíP»CḷC†C-C— PIPëPSPëPeP°C” PIC-Pr 1 PrPs 2 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC....

PµPµCḡC-PsPr PiPsPrC¿PIP°PSPSCḷ PiCḡC¿PrPrCḡ. PḡCíPeC-P»CHbPePë PµCíC†PëC,P°P»PsPïCḡP°Pj PiCḡPsPSPëPeP°C” Cí PiCḡCíPrPSPµ PjPsP»PsPePs, PïCḡPsC,CḷPiPsPj P»C-PeCíPIP°PSPSCḷ PSPµ CḡPµPePsPjPµPSPPrCíC”C,CHbCíCḷ PiPsPrCíPIP°PSPSCḷ PiCḡCíPrPrCḡ.

P”P°PSC- CíPïPsCíC,PµCḡPµP¶PµPSCḡ PIPeP°P·CíCḡC,CHb PSP° PïC-PrPIPëC%PµPSPëPNḡ CḡPëP·PëPe (PjPµPSC€ PSC-P¶ Cí 2 CḡP°P·Pë) PïC-CíP»CḷPiPsP»PsPiPsPIPsC— PeCḡPsPIPsC,PµC†C- PïC-CíP»Cḷ PIPïP»PëPICí PŸP†P—P—PŸ/PŸP†P—P—PŸPḡ PïCḡPsC,CḷPiPsPj PjC-CíCḷC†Cḷ PïC-CíP»Cḷ PSP°CḡPsPrP¶PµPSPSCḷ (PrPëPI. CḡPsP·PrC-P»Pë B«PḡCíPsP±P»PëPIPsCíC,C- P·P°CíC,PScíCíPIP°PSPSCḷB» C,P° B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C—B»).

PḡPµCḡC,PëP»CHbPSC-CíC,CHb. P”PµCḷPeC- PŸP†P—P—PŸ PjPsP¶CíC,CHb PIPïP»PëPIP°C,Pë PSP° CḷPeC-CíC,CHb CíPïPµCḡPjPë. PµPsPIC-PrPsPjP»PµPSPSCḷ PïCḡPs P·P°CíC,PScíCíPIP°PSPSCḷ PrPµCḷPePëC... PŸP†P—P—PŸ PïPsPeP°P·P°P»Pë, C%Ps PIPïP»PëPI PSP° CḷPeC-CíC,CHb CíPïPµCḡPjPë Cí P»CḡPrPëPSPë C” PsP±PsCḡPsC,PSPëPj. P’PïP»PëPI PSP° C,,PµCḡC,PëP»CHbPSC-CíC,CHb Cí P»CḡPrPëPSPë PrPsCíC- PSPµ CíPïPsCíC,PµCḡC-PiP°PICíCḷ.

P—PrP°C,PSC-CíC,CHb PIPïP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CíC,CHb CḡPµP°PeC†C-C— PïCḡPë PePµCḡC¿PIP°PSPSC- P°PIC,PSc,CḡP°PSCíPïPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

P—P°PiP°P»PsPj PµCíC†PëC,P°P»PsPïCḡP°Pj PSPµ PIPïP»PëPIP°C” PSP° C-PSC,PµP»PµPeC,CíP°P»CHbPSC- C,,CíPSPeC†C-C— P°P±Ps PïCíPëC...PsPjPsC,PScḡPSC- CḡPµP°PeC†C-C—, P°P»Pµ CíP»C-Pr PICḡP°C...PsPICíPIP°C,Pë, C%Ps P±CíPrCHb-CḷPePëPNḡ PïCíPëC...PsP°PeC,PëPIPSPëPNḡ P·P°CíC-P± PjPsP¶Pµ PïPsCḡCíC€CíPIP°C,Pë PSP°PIPëC†PePë P°P±Ps P·PrP°C,PSC-CíC,CHb CḡPsP·CíCíPrP»PëPIPsPiPs PjPëCíP»PµPSPSCḷ. PŸP»C-Pr PïPsPïPµCḡPµPrPëC,Pë PïP°C†C-C”PSC,C-PI PïCḡPs PïPsC,PµPSC†C-PNḡPSPëPNḡ CḡPëP·PëPe PIPïP»PëPICí PSP° PePµCḡCíPIP°PSPSCḷ P°PIC,PSc,CḡP°PSCíPïPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.

PŸPïPsCíC-P± P·P°CíC,PScíC¿PIP°PSPSCḷ C,P° PrPsP·Pë.

P’PµP·PïPµPeP° P·P°CíC,PScíCíPIP°PSPSCḷ PrPsP· PïPsPSP°Pr 20 PjPi PSP° PrPsP±Cí PSPµ P±CíP»P° PICíC,P°PSPsPIP»PµPSP°.

P·CíC†PëC,P°P»PsPïCḡP°Pj P·P°CíC,PScíCíPsPICíPIP°C,Pë PrPsCḡPsCíP»PëPj PIPSCíC,CḡC-C€PSCḡPs 1 CḡP°P· PSP° PrPsP±Cí PSPµP·P°P»PµP¶PSPs PIC-Pr PïCḡPëPNḡPsPjCí C—P¶C-.

P’PµP»PëPePëPNḡ PrPµPïCḡPµCíPëPIPSPëPNḡ PµPïC-P·PsPr.

P—P°P·PIPëC†P°PNḡ CíP»C-Pr PïCḡPëP·PSP°C†P°C,Pë 10 PjPi 1 CḡP°P· PSP° PrPsP±Cí. P—P°P»PµP¶PSPs PIC-Pr C-PSPPrPëPIC-PrCíP°P»CHbPSPsC— C†CíC,P»PëPIPsCíC,C-

РіР°С†С-С"РSC,Р° РrPsP±PsPICr РrPsP·Сr РjPsP¶PSP° Р·Р±С-Р»СНCЄРёC,Рё РrPs
РjР°РeСГРёРjР°Р»СНPSPsC— вґ" 20 РjPi.

РґPSC,РёРrРµPиPиСГРёPиСГРёPиPSPёPNё РµC,,РµPеC, Р·Р°Р·PиPёC±Р°PNё PSP°СГC,Р°С" С±РµСГРµP·
2-4 C,РёP¶PSC-. РµC-СГР»C¶ Р·PSPёРePSPµPSPSC¶ СГРёРjРiC,PsPjC-PI Р»C-РeСrPиP°PSPSC¶
PSPµPsP±C...C-РrPSPs PиСГРPsPpPиPиCГРiP°C,Рё PиСГРPsC,C¶PiPsPj 6 РjC-СГC¶C†C-PI Р·
РjРµC,PsСґ Р·РjC-С†PSPµPSPSC¶ РµC,,РµPеC,Сr.

РµР°PSC-С±PSC- СГРPsP·Р»Р°РrРё Р· Р°PiPsСГР°C,,PsP±C-С"Сґ Р°Р±Ps Р±РµP· PSPµC—.

РµСГРPsC,C¶PiPsPj PиPиСГРёCєPsPiPs C,РёP¶PSC¶ СГРµPµPµPsPjРµPSPrСrС"С,СНCГC¶
PиPsC±Р°C,РePsPиP° РrPsP·Р° 5 РjPi PSP° РrPsP±Сr, PиC-СГР»C¶ С±PsPiPs РrPsP·Сr РjPsP¶PSP°
Р·Р±С-Р»СНCЄРёC,Рё РrPs 10 РjPi PSP° РrPsP±Сr. Р"PsP·Р° РjPsP¶Pµ Р±СrС,Рё Сr
PиPsPpР°Р»СНCЄРёPsPjСr Р·Р±С-Р»СНCЄРµPµPSP° РrPs РjР°РeСГРёРёРjР°Р»СНPSPsC— вґ" 20 РjPi
PSP° РrPsP±Сr вґ" Р·Р°Р»РµP¶PSPs PIC-Рr C-PSPrPёPIC-РrСrР°Р»СНPSPsC—
С±СrС,Р»PёPиPsСГC,C- PиР°С†C-С"РSC,Р°.

РґР°РeСГРёРёРjР°Р»СНPSPёPNё РµC,,РµPеC, PиСГРёPё Р»C-РeСrPиP°PSPSC- PиР°PSC-С±PSPёC...
СГРPsP·Р»Р°РrC-PI РrPsСГC¶PиP°С"С,СНCГC¶ С±РµСГРµPµP· 3 РjC-СГC¶C†C-. PґPµСГРjC-PS
Р»C-РeСrPиP°PSPSC¶ СГC,Р°PSPsPиPёC,Сґ РrРµPеC-Р»СНPеР° РjC-СГC¶C†C-PI C-
Р·Р°Р»РµP¶PёC,Сґ PIC-Рr C,C¶P¶PеPsСГC,C- Р·Р°C...PиPsСГРґPиP°PSPSC¶.

РґРPsC†C-Р°Р»СНPSC- C,СГРPёPиPsP¶PSC- СГРPsP·Р»Р°РrРё (СГРPsC†C-Р°Р»СНPSP°
C,,PsP±C-C¶).

Р—Р°Р·PиPёC±Р°PNё СГР»C-Рr PиСГРёPёP·PSP°С±Р°C,Рё 10 РjPi 1 СГРР°P· PSP° РrPsP±Сr.
РµPsP»PµPиCєPµPSPSC¶ СГРёРjРiC,PsPjC-PI, C¶Pе PиСГР°PиPёP»Ps,
PIC-РrP±СrPиP°С"С,СНCГC¶ С±РµСГРµPµP· 2-4 C,РёP¶PSC- Р»C-РeСrPиP°PSPSC¶.
Р—Р°Р»РµP¶PµP¶PSPs PIC-Рr C-PSPrPёPIC-РrСrР°Р»СНPSPsC— СГРµPµР°PеC†C-C—
PиР°С†C-С"РSC,Р° РrPsP·Сr Сr PиPsPpР°Р»СНCЄРёPsPjСr РjPsP¶PSP° Р·РjРµPSCєРёC,Рё РrPs 5
РjPi/РrPsP±Сr Р°Р±Ps PиC-РrPиPёC%PёC,Рё РrPs РjР°РeСГРёРёРjР°Р»СНPSPsC— вґ" 20
РjPi/РrPsP±Сr.

РґСГРёC-Р»СНPеPё СГРPsC†C-Р°Р»СНPSPёPNё C,СГРPёPиPsP¶PSPёPNё СГРPsP·Р»Р°Рr С"
Р·Р°C...PиPsСГРґPиP°PSPSC¶Pj C...СГРPsPSC-С±PSPsPiPs PиPµСГРµPµP±C-PиCr,
СГРµPµPµPsPjРµPSPrСrС"С,СНCГC¶ PиСГРPsPpPиPиPёC,Рё Р»C-РeСrPиP°PSPSC¶
PиСГРPsC,C¶PiPsPj 12 C,РёP¶PSC-PI РrP»C¶ Р·Р°РeСГРC-PиP»PµPSPSC¶
РrPsСГC¶PиPиPSCrC,PsPiPs РµC,,РµPеC,Сr.

Р"PsPиPiPsC,СГРPёPиP°P»Pµ Р»C-РeСrPиP°PSPSC¶ PиСГРPsC,C¶PiPsPj 6 РjC-СГC¶C†C-PI
PиСГРёPёP·PSP°С±Р°C,Рё Р· РjРµC,PsСґ Р·Р°PиPsP±C-PиP°PSPSC¶ СГРµC†PёPpPиCr,
PиСГР°C...PsPICrСґC±Pё C-PSPrPёPIC-РrСrР°Р»СНPSC- PиСГРPsC¶PиPё
Р·Р°C...PиPsСГРґPиP°PSPSC¶; СГРµPµPиCрP»C¶CГРPSPs PsC†C-PSCґСґ,Сґ
РµC,,РµPеC,РёPиPSC-СГC,Сґ Р»C-РeСrPиP°PSPSC¶.

РґРPsC†C-Р°Р»СНPSPёPNё C,СГРPёPиPsP¶PSPёPNё СГРPsP·Р»Р°Рr вґ" C†Pµ С±C-C,РePs
PиPёP·PSP°С±PµPSPёPNё РrC-Р°PiPSPsСГC,РёC±PSPёPNё C,РµСГРjC-PS РrP»C¶
PиPsP·PSP°С±PµPSPSC¶ СГРPиPµC†PёC,,C-С±PSPsPiPs СГРPsP·Р»Р°РrСr, C¶PеPёPNё PSPµ
СГР»C-Рr PиP»СrС,Р°C,Рё Р· PSP°РrPjC-СГРPSPsСґ СГРPsСГРPsPjвґ" C¶P·P»PёPIC-СГC,Сґ.
РґPµPpPёPеР°РjРµPSC,PsP·PSP° C,РµСГРP°PиC-C¶ PиPsPеР°Р·Р°PSP° Р»PёCєPµ PI C,PsPjСr
СГРР°C-, C¶PеC%Ps СГРPsP·Р»Р°Рr Р·PSP°С±PSPs Р·Р°PиP°P¶P°С" PиСГРPsC,,PµСГC-PNёPSC-PNё
РrC-C¶P»СНPSPsСГC,C- C,Р° СГРPsC†C-Р°Р»СНPSC-PNё Р°PеC,РёPиPSPsСГC,C-.

Pj C₇H₅P°P·C- PSP°C₁PIPS₅C₁C,C- PSPëC₇PePsPIPsC— PSP_μPrPsC₁C,P°C,PSPsC₁C,C- P»P_μPiPePsPiPs C,P° P_iPsPjC-C₇H₅PSPsPiPs C₁C,C₁P_iP_μPSC₁ PSP_μPsP±C...C-PrPSPsC₁C,C- C₁PePsC₇PëPiC₁PIP°PSPSC- PrPsP·Pë PSP_μPjP°C". P— PsP±P_μC₇P_μP₁PSC-C₁C,C₇H₅PSP_μPsP±C...C-PrPSPs P·P°C₁C,P_sC₁P_sPIC₁PIP°C,Pë P»C-PeP°C₇C₁CH₅PePëP_μ P·P°C₁C-P± P_iP°C₁C-C°PSC,P°Pj C-P· C,C₁P₁P_μPePsC₇H₅PSPëC₇PePsPIPsC₇H₅PSP_μPrPsC₁C,P°C,PSC-C₁C,C₇H₅

(PeP»C-CT₃PμPSCÍ PeCT₃PμP°C,PëPSC-PSCÍ < 30 PjP»/C...PI).

P—PSPëP¶PμPSPSCÍ C„C¿PSPeC†C-C— PiPμC‡C-PSPePë.

PμP°C†C-C”PSC,P°Pj C-P· PiPsPjC-CT₃PSPsCT₃ C,P° CÍP»P°P±PePsCT₃ PiPμC‡C-PSPePsPIPsCT₃ PSPμPrPsCÍC,P°C,PSC-CÍC,CT₃ CT₃PμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P° PiCT₃PsC,CÍPiPsPj PiPμCT₃CëPëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ CÍC,P°PSPsPIPeC,CH 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr C-PSPrPëPIC-PrCÍP°P»CH₃PSPsC— CT₃PμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP° P·P±C-P»CH₃CëPëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ. PμCT₃Pë C,CÍP¶PeC-PN₂ PiPμC‡C-PSPePsPIC-PN₂ PSPμPrPsCÍC,P°C,PSPsCÍC,C- PSPμPsP±C...C-PrPSC-PsP±PμCT₃PμP¶PSC-CÍC,CH CÍ PiCT₃PëP·PSP°C‡PμPSPSC- C- CT₃PμC,PμP»CH₃PSPμ C,PëC,CT₃CÍPIP°PSPSCÍ PrPsP·Pë.

P—PSPëP¶PμPSP° P°PeC,PëPIPSC-CÍC,CH C-P·PsC„PμCT₃PjPμPSC,C¿ CYP2C19.

P”P»CÍ PiP°C†C-C”PSC,C-PI P·C- CÍP»P°P±PePsCT₃ P°PeC,PëPIPSC-CÍC,CT₃ C-P·PsC„PμCT₃PjPμPSC,CÍ CYP2C19 CT₃PμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P° PiCT₃PsC,CÍPiPsPj PiPμCT₃CëPëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ CÍC,P°PSPsPIPeC,CH 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr C-PSPrPëPIC-PrCÍP°P»CH₃PSPsC— CT₃PμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP° P·P±C-P»CH₃CëPëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ.

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë, CÍPeC- P·e₃™ CÍPIP»CÍCT₃C,CHCÍCÍ PiCT₃Pë PiCT₃PëPiPëPSPμPSPSC- P»C-PeC¿PIP°PSPSCÍ.

PŸP»C-Pr CÍPSPëPeP°C,Pë CT₃C-P·PePsPiPs PiCT₃PëPiPëPSPμPSPSCÍ P»C-PeCÍPIP°PSPSCÍ. PμCT₃Pë PiCT₃PëPiPëPSPμPSPSC- P»C-PeCÍPIP°PSPSCÍ P»C-PeP°CT₃CÍCH₃PePëPj P·P°CÍPsP±PsPj P·CÍC†PëC,P°Pj^B P₃CÍC-PSPs PrPsP·CÍ CÍP»C-Pr P·PSPëP¶CÍPIP°C,Pë PiPsCÍC,CÍPiPsPIPs PiCT₃PsC,CÍPiPsPj 1B₃”2 C,PëP¶PSC-PI, C%PsP± CÍPSPëPePSCÍC,Pë PjPsP¶P»PëPIPeC... CÍPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë (PrPëPI. CT₃PsP·PrC-P»Pë B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍB» C,P° B«PμPsP±C-C‡PSC-CT₃PμP°PeC†C-C—B»). PiPeC%Ps PiC-Pr C‡P°CÍ PiPsCÍC,CÍPiPsPIPsPiPs P·PjPμPSCëPμPSPSCÍ PrPsP·Pë PiPëPSPëPeP°CT₃C,CH CÍPëPjPiC,PsPjPë PIC-PrPjC-PSPë, PjPsP¶PSP° PIC-PrPSPsPIPeC,Pë PiCT₃PëPN₂PsPj CÍ PiPsPiPμCT₃PμPrPSC-PN₂ PiCT₃PëP·PSP°C‡PμPSC-PN₂ PrPsP·C-. Pj PiPsPrP°P»CH₃CëPsPjCÍ P»C-PeP°CT₃ PjPsP¶Pμ PiCT₃PsPrPsPIP¶PëC,Pë P·PjPμPSCëCÍPIP°C,Pë PrPsP·CÍ, P°P»Pμ P±C-P»CH₃Cë PiPsCÍC,CÍPiPsPIPs.

P”C-C,Pë.

P₃PSC,PëPrPμPiCT₃PμCÍP°PSC,Pë PSPμ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP»CÍ P»C-PeCÍPIP°PSPSCÍ PrC-C,PμPN₂ C,P° PiC-PrP»C-C,PeC-PI (PIC-PePsPj PrPs 18 CT₃PsPeC-PI). PŸCÍC—C†PëPrP°P»CH₃PSP° PiPsPIPμPrC-PSPeP° (CÍCÍC—C†PëPrP°P»CH₃PSC- CÍPiCT₃PsP±Pë C,P° CÍCÍC—C†PëPrP°P»CH₃PSC- PrCÍPjPePë) C- PIPsCT₃PsP¶C-CÍC,CH (PiPμCT₃PμPIP°P¶PSPs P°PiCT₃PμCÍC-CÍ, PsPiPsP·PëC†C-PN₂PSP° PiPsPIPμPrC-PSPeP° C,P° PiPSC-PI) C‡P°CÍC,C-CëPμ CÍPiPsCÍC,PμCT₃C-PiP°C”C,CHCÍCÍ PI C...PsPrC- PeP»C-PSC-C‡PSPëC... PiPëPiCT₃PsP±CÍPIP°PSCH CÍ PrC-C,PμPN₂ C,P° PiC-PrP»C-C,PeC-PI, CÍPeC- PiCT₃PëPN₂PjP°CT₃C,CH P°PSC,PëPrPμPiCT₃PμCÍP°PSC,Pë, PiPsCT₃C-PIPSCÍPSPs P· C,PëPjPë, CÍPeC- PiCT₃PëPN₂PjP°CT₃C,CH PiP»P°C†PμP±Ps. PiPeC%Ps P· PeP»C-PSC-C‡PSPëC... PjC-CT₃PeCÍPIP°PSCH CT₃C-CëPμPSPSCÍ PiCT₃Ps PiCT₃PëP·PSP°C‡PμPSPSCÍ

P°PSC, PëPrPµPīCḡPµCÍP°PSC, C-PI PICÍPµ-C, P°PePë PīCḡPëPNḡPSCḲC, Ps, PīPsC, CḡC-P±PSPs
P·P°P±PµP·PīPµC±PëC, Pë CḡPµC, PµP»CHBPSPµ CÍPīPsCÍC, PµCḡPµP¶PµPSPSCḲ C%PsPrPs
PīPsCḲPIPë CÍCÍC—C†PëPrP°P»CHBPSPëC... PSP°CÍC, CḡPsC—PI CÍ PīP°C†C-C''PSC, P° .B

PµPµCḡPµPrPsP·CáPIP°PSPSCḲ.

PŷPsPeCÍPëC±PSC-CÍC, CH. P''P°PSC- PīCḡPs PīPµCḡPµPrPsP·CÍPIP°PSPSCḲ
PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ PsP±PjPµP¶PµPSC-. P' C-P»CHCëC-CÍC, CH PIPëPīP°PrPeC-PI
CÍPīCḡPëC±PëPSPµPSP° PsPrPSPsC±P°CÍPSPëPj PīPµCḡPµPrPsP·CÍPIP°PSPSCḲPj C-PSCëPëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë. P' PsCÍPSPsPIPSPsPjCÍ
CÍPīPsCÍC, PµCḡC-PiP°P»PëCÍCḲ P»PµPiPeC- CÍPëPjPīC, PsPjPë P°P±Ps
P±PµP·CÍPëPjPīC, PsPjPSC-CÍC, CH PīPµCḡPµPrPsP·CÍPIP°PSPSCḲ. PµPsPIC-PrPsPjP»PµPSPSCḲ
PīCḡPs P»PµC, P°P»CHBPSC- PSP°CÍP»C-PrPePë PīPµCḡPµPrPsP·CÍPIP°PSPSCḲ
PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ C'' PIPëPSCḲC, PePsPIPëPjPë, P±C-P»CHCëC-CÍC, CH P·PSPëC...
PIPeP»CHC±P°C'' PsPrPSPsC±P°CÍPSPµ PīPµCḡPµPrPsP·CÍPIP°PSPSCḲB C-PSCëPëPjPë
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë. PµCḡPëPNḡPsPj PrPsP· CÍ PjPµP¶P°C... 400-800
PjPi PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ PSPµ CÍPīCḡPëC±PëPSCḲPI P±CÍPrCH-CḲPePëC...
C, CḲP¶PePëC... CÍPëPjPīC, PsPjC-PI.

PŷPëPjPīC, PsPjPë. PµPµCḡPµPrPsP·CÍPIP°PSPSCḲ PµCÍC†PëC, P°P»PsPīCḡP°PjCÍ
PīCḡPsCḲPIP»CḲC''C, CHCÍCḲ PīPsP»PsPIPSPëPj C±PëPSPsPj CÍPëPjPīC, PsPjP°PjPë P·P±PsPeCÍ
C†PµPSC, CḡP°P»CHBPSPsC— PSPµCḡPIPsPIPsC— CÍPëCÍC, PµPjPë (PIC-Pr
P·P°PīP°PjPsCḡPsC±PµPSPSCḲ, C, CḡPµPjPsCḡCÍ C, P° P°P¶PëC, P°C†C-C— PrPs
CḡC-PrPeC-CÍPSPëC... PIPëPīP°PrPeC-PI CÍPµCḡPsC, PsPSC-PSPsPIPsPīPs CÍPëPSPrCḡPsPjCÍ,
CÍCÍPrPsPj C- PePsPjPë), CëP»CÍPSPePsPIPs-PePëCëPePsPIPsC— CÍPëCÍC, PµPjPë
(PSCÍPrPsC, P°/P±P»CHPIP°PSPSCḲ), CÍPµCḡC†PµPIPs-CÍCÍPrPëPSPSPsC— CÍPëCÍC, PµPjPë
(P°CḡC, PµCḡC-P°P»CHBPSP° PiC-PīPsC, PµPSP·C-CḲ, C, P°C...C-PeP°CḡPrC-CḲ,
PīPsPrPsPIP¶PµPSPSCḲ C-PSC, PµCḡPIP°P»CÍ QT, P°CḡPëC, PjC-CḲ) C, P°
PīPsCḡCÍCëPµPSPSCḲPj PµP»PµPeC, CḡPsP»C-C, PSPsPīPs P±P°P»P°PSCÍCÍ
(PiC-PīPsPeP°P»C-C''PjC-CḲ, PiC-PīPsPSP°C, CḡC-C''PjC-CḲ).

P>C-PeCáPIP°PSPSCḲ. PŷPīPµC†PëC,, C-C±PSPsPīPs P°PSC, PëPrPsC, CÍ PSPµ C-CÍPSCÍC''.
PŷP»C-Pr PiC-PrC, CḡPëPjCÍPIP°C, Pë PSP°P»PµP¶PSPµ C,, CÍPSPeC†C-PsPSCÍPIP°PSPSCḲ
PrPëC...P°P»CHBPSPsC— CÍPëCÍC, PµPjPë, P·P°P±PµP·PīPµC±PëC, Pë P°PrPµPePIP°C, PSCÍ
PsPeCÍPëPīPµPSP°C†C-CH. PḡPsP¶P»PëPIPµ P·P°CÍC, PsCÍCÍPIP°PSPSCḲ
PīP°CÍC, CḡP°P»CHBPSPsPīPs P»P°PIP°P¶CÍ C, P° P°PeC, PëPIPsPIP°PSPsPīPs PICÍPiC-P»P»CḲ.
P PµPePsPjPµPSPrCÍC''C, CHCÍCḲ PjPsPSC-C, PsCḡPëPSPi CÍPµCḡC†PµPIPëC... C, P°
P¶PëC, C, C''PIPs PIP°P¶P»PëPIPëC... C,, CÍPSPeC†C-PNḡ CḡP°P·PsPj C-P·
CÍPëPjPīC, PsPjP°C, PëC±PSPëPj PīC-PrC, CḡPëPjCÍCHC±PëPj P»C-PeCÍPIP°PSPSCḲPj.

Pj CḡP°P·C- PīPµCḡPµPrPsP·CÍPIP°PSPSCḲ CḡPµPePsPjPµPSPrCÍC''C, CHCÍCḲ P·PḡP''-
PjPsPSC-C, PsCḡPëPSPi CÍ PīP°C†C-C''PSC, C-PI C-P· P·P°CÍC, C-PNḡPSPsCH CÍPµCḡC†PµPIPsCH
PSPµPrPsCÍC, P°C, PSC-CÍC, CH/P±CḡP°PrPëP°CḡPëC, PjC-C''CH, CÍ PīP°C†C-C''PSC, C-PI,
CḲPeC- PsPrPSPsC±P°CÍPSPs PīCḡPëPNḡPjP°CHC, CH P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë,
CḲPeC- PīPsPrPsPIP¶CÍCHC, CH C-PSC, PµCḡPIP°P» QT, P°P±Ps CÍ PīP°C†C-C''PSC, C-PI C-P·
PīPsCḡCÍCëPµPSPSCḲPj PjPµC, P°P±PsP»C-P·PjCÍ, PSP°PīCḡPëPeP»P°Pr, PīCḡPë
PīPµC±C-PSPePsPIC-PNḡ PSPµPrPsCÍC, P°C, PSPsCÍC, C-.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C— PSp°PNεC±P°C†C,C-CεPμ
C†PμPsC†C,PμCḡC-PiP°CḡC,CHC†CḡC PiCḡPsC,CḡPiPsPj PiPμCḡCεPsPiPs P°P±Ps
PrCḡC†PiPsPiPs C,PεPḡPSCḡ P»C-PeC†PIP°PSPSCḡ, C,P° P·P°P·PIPεC±P°PNε C—C...
C±P°C†C,PsC,P° C,P° C-PSC,PμPSC†PεPIPSC-C†C,CH PiPsC†C,C†PiPsPIPs
P·PjPμPSCεC†CḡC,CHC†CḡC PiCḡPε PiPsPrP°P»CHCεPsPjC† P»C-PeC†PIP°PSPSC-.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—, C...P°CḡP°PeC,PμCḡPSC- PrP»Cḡ PIC†C-C...
P»C-PeP°CḡC†CHPePεC... P·P°C†PsP±C-PI PeP»P°C†C† PŸP†P—P—PŸ C,P°
PμC†C†PεC,P°P»PsPiCḡP°PjC†, CḡPeC- C†PiPsC†C,PμCḡC-PiP°P»PεC†CH C†
PiP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPεC... PrPsC†P»C-PrPḡPμPSPSCḡC... C,P°
PiCḡPε PjPμPrPεC±PSPsPjC† P·P°C†C,PsC†C†PIP°PSPSC-, P·P°P·PSP°C±PμPSC- P·P°
C†PεC†C,PμPjP°PjPε PsCḡPiP°PSC-PI C- C±P°C†C,PsC,PsCḡ: PrC†PḡPμ C±P°C†C,C- (≥
1/10), C±P°C†C,C- (≥ 1/100 PrPs < 1/10), PSpμC±P°C†C,C- (≥ 1/1000 PrPs < 1/100),
CḡC-PrPeC-C†PSC- (≥ 1/10000 PrPs < 1/1000), PrC†PḡPμ CḡC-PrPeC-C†PSC- (<
1/10000) P°P±Ps C±P°C†C,PsC,P° PSpμPIC-PrPsPjP° (PSpμPjPsPḡP»PεPIPs
PIC†C,P°PSPsPIPεC,Pε P·P° PSP°CḡPIPSPεPjPε PrP°PSPεPjPε).

P— P±PsPeCε PeCḡPsPIPsPSPsC†PSPsC— C,P° P»C-PjC„P°C,PεC±PSPsC— C†PεC†C,PμPjPε:
C±P°C†C,PsC,P° PSpμPIC-PrPsPjP° бḡ“ C,CḡPsPjP±PsC†PεC,PsPiPμPSC-Cḡ.

P— P±PsPeCε C-PjCεPSPSPsC— C†PεC†C,PμPjPε: CḡC-PrPeC-C†PSC- бḡ“
P°PSP°C„C-P»P°PeC,PεC±PSC- CḡPμP°PeC†C-C—.

P— P±PsPeCε PμPSPPrPsPeCḡPεPSPSPsC— C†PεC†C,PμPjPε: C±P°C†C,PsC,P° PSpμPIC-PrPsPjP°
бḡ“ PiPsCḡC†CεPμPSPSCḡ C†PμPeCḡPμC†C-C— P°PSC,PεPrC-C†CḡPμC,PεC±PSPsPiPs
PiPsCḡPjPsPSC†, PiC-PiPμCḡPiCḡPsP»P°PeC,PεPSPμPjC-Cḡ.

P— P±PsPeCε PjPμC,P°P±PsP»C-P·PjCε C,P° PsP±PjC-PSCε CḡPμC±PsPIPεPS: C±P°C†C,C- бḡ“
P·PSPεPḡPμPSPSCḡ P°P±Ps PiPsC†PεP»PμPSPSCḡ P°PiPμC,PεC,C†, P·P±C-P»CHCεPμPSPSCḡ
PjP°C†Pε C,C-P»P°; PSpμC±P°C†C,C- бḡ“ P·PjPμPSCεPμPSPSCḡ PjP°C†Pε C,C-P»P°;
C±P°C†C,PsC,P° PSpμPIC-PrPsPjP° бḡ“ PiC-PiPsPSP°C,CḡC-C”PjC-Cḡ, P°PSPsCḡPμPeC†C-Cḡ².

P— P±PsPeCε PiC†PεC...C-PePε: C±P°C†C,C- бḡ“ C,CḡPεPIPsPḡPSC-C†C,CH,
PSpμC†PiPsPeC-PNε, P°PSPsPjP°P»CHPSC- C†PSPε, P·PSPεPḡPμPSPSCḡ P»C-P±C-PrPs C†
C±PsP»PsPIC-PeC-PI C- PḡC-PSPsPe, P°PSPsCḡPiP°P·PjC-Cḡ C† PḡC-PSPsPe; PSpμC±P°C†C,C-
бḡ“ C†PeCḡPμPiPsC,C-PSPSCḡ P·C†P±P°PjPε, P·P±C†PrPḡPμPSPSCḡ,
PSpμCḡPIPsP·PSC-C†C,CH, PiP°PSC-C±PSC- PSp°PiP°PrPε, C†PiP»C†C,P°PSC-C†C,CH
C†PIC-PrPsPjPsC†C,C-; CḡC-PrPeC-C†PSC- бḡ“ P°PiCḡPμC†C-Cḡ,
PrPμPiPμCḡC†PsPSP°P»C-P·P°C†C-Cḡ, PiP°P»CḡC†PεPSP°C†C-C—; C±P°C†C,PsC,P°
PSpμPIC-PrPsPjP° бḡ“ PjP°PSC-Cḡ, C†C†C—C†PεPrP°P»CHPSC- PrC†PjPePε,
C†C†C—C†PεPrP°P»CHPSP° PiPsPIPμPrC-PSPeP°¹.

P— P±PsPeCε PSpμCḡPIPsPIPsC— C†PεC†C,PμPjPε: PrC†PḡPμ C±P°C†C,C- бḡ“
PiPsP»PsPIPSPεPNε P±C-P»CH; C±P°C†C,C- бḡ“ P±PμP·C†PsPSPSCḡ, C†PsPSP»PεPIC-C†C,CH,
P·P°PiP°PjPsCḡPsC±PμPSPSCḡ, PiP°CḡPμC†C,PμP·C-Cḡ, C,CḡPμPjPsCḡ; PSpμC±P°C†C,C- бḡ“
PiPsCḡC†CεPμPSPSCḡ C†PjP°PeC†, PiPsCḡC†CεPμPSPSCḡ C†PSC†,
PSpμPiCḡPεC,PsPjPSC-C†C,CH; CḡC-PrPeC-C†PSC- бḡ“ C†PμCḡPsC,PsPSC-PSPsPIPεPNε
C†PεPSPrCḡPsPj; C±P°C†C,PsC,P° PSpμPIC-PrPsPjP° бḡ“ PrPεC†PeC-PSPμP·C-Cḡ,
CḡC†C...PsPIC- CḡPsP·P»P°PrPε, C†C†PrPsPjPε, PiC†PεC...PsPjPsC,PsCḡPSPεPNε

$PSP_{\mu}C\acute{I}P\ddot{I}PsPeC-PN_{\circ}/P^{\circ}PeP^{\circ}C, P\ddot{e}P\cdot C-C\ddot{I}\ddot{I}^2$.

$P-P\pm PsPeC\acute{z} PsC\ddot{H}PiP^{\circ}PSC-PI P\cdot PsC\ddot{H}C\acute{z}$: $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C\ddot{H}PsP\cdot C\ddot{e}P\ddot{e}C\ddot{H}P_{\mu}PSPSC\ddot{I}\ddot{I}$
 $P\cdot C-PSP\ddot{e}C\ddot{I}C-$, $P\cdot P^{\circ}C,C\acute{I}PjP^{\circ}PSP_{\mu}PSPSC\ddot{I}\ddot{I}$ $P\cdot PsC\ddot{H}C\acute{I}$.

$P-P\pm PsPeC\acute{z} PsC\ddot{H}PiP^{\circ}PSC-PI C\acute{I}P\gg C\acute{z}C...C\acute{z}$: $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PrP\cdot PIC-PS$ $C\acute{I} PIC\acute{I}C...P^{\circ}C...$

$P-P\pm PsPeC\acute{z} C\acute{I}P_{\mu}C\ddot{H}C\ddot{I}C\ddot{I}$: $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C,P^{\circ}C...C-PeP^{\circ}C\ddot{H}PrC-C\ddot{I}\ddot{I}$; $C\ddot{H}C-PrPeC-C\acute{I}PSC-$
бҗ“ $P\pm C\ddot{H}P^{\circ}PrP\ddot{e}PeP^{\circ}C\ddot{H}PrC-C\ddot{I}\ddot{I}$; $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“ $P\ddot{I}PsPrPsPIP\ddot{I}P_{\mu}PSPSC\ddot{I}\ddot{I}$
 $C-PSC,P_{\mu}C\ddot{H}PIP^{\circ}P\gg C\acute{I} QT PSP^{\circ} P_{\mu}P\gg P_{\mu}PeC,C\ddot{H}PsPeP^{\circ}C\ddot{H}PrC-PsPiC\ddot{H}P^{\circ}PjC-$,
 $C\ddot{e}P\gg C\acute{I}PSPsC\ddot{I}PePsPIP^{\circ} P^{\circ}C\ddot{H}P\ddot{e}C,PjC-C\ddot{I}\ddot{I}$, $PIPeP\gg C\ddot{H}C\ddot{I}P^{\circ}C\ddot{H}C\ddot{I}P\ddot{e} torsade de pointes$.

$P-P\pm PsPeC\acute{z} C\acute{I}C\acute{z}PrP\ddot{e}PSPSPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e}$: $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“
 $PsC\ddot{H}C,PsC\acute{I}C,P^{\circ}C,P\ddot{e}C\ddot{I}PSP^{\circ} PiC-P\ddot{I}PsC,P_{\mu}PSP\cdot C-C\ddot{I}\ddot{I}$.

$P P_{\mu}C\acute{I}P\ddot{I}C-C\ddot{H}P^{\circ}C,PsC\ddot{H}PSC-C\ddot{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$: $C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C\acute{I}P\ddot{e}PSC\acute{I}C\acute{I}P\ddot{e}C,P\ddot{e}$,
 $P\ddot{I}PsP\cdot C-C...P^{\circ}PSPSC\ddot{I}\ddot{I}$; $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PSPsC\acute{I}PsPIP^{\circ} PeC\ddot{H}PsPIPSC,P_{\mu}C\ddot{I}P^{\circ}$.

$P-P\pm PsPeC\acute{z} C\ddot{e}P\gg C\acute{z}PSPePsPIPs-PeP\ddot{e}C\ddot{e}PePsPIPsPiPs C,C\ddot{H}P^{\circ}PeC,C\acute{z}$: $PrC\acute{I}P\ddot{I}P_{\mu} C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“
 $PSC\acute{I}PrPsC,P^{\circ}$; $C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PrC-P^{\circ}C\ddot{H}P_{\mu}C\ddot{I}\ddot{I}$, $P\cdot P^{\circ}P\ddot{I}PsC\ddot{H}$, $P\pm P\gg C\ddot{H}PIP^{\circ}PSPSC\ddot{I}\ddot{I}$,
 $C\acute{I}C\acute{I}C...C-C\acute{I}C,C\ddot{H} C\acute{I} C\ddot{H}PsC,C-$; $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C\ddot{e}P\gg C\acute{I}PSPePsPIPs-PeP\ddot{e}C\ddot{e}PePsPIC-$
 $PeC\ddot{H}PsPIPSC,P_{\mu}C\ddot{I}C-$ ($C\acute{I} C, C\ddot{I} C\ddot{H}P_{\mu}PeC,P^{\circ}P\gg C\ddot{H}PSC-$).

$P-P\pm PsPeC\acute{z} PiP_{\mu}C\ddot{I}C-PSPeP\ddot{e} C,P^{\circ} P\ddot{I}PsPIC\ddot{I}PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\ddot{e}P\gg C\ddot{I}\ddot{I}C...C-PI$:
 $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“ $PiP_{\mu}PiP^{\circ}C,P\ddot{e}C,, P\cdot PjC-PSP\ddot{e}$
 $C,,C\acute{I}PSPeC\ddot{I}C-PsPSP^{\circ}P\gg C\ddot{H}PSP\ddot{e}C... PiP_{\mu}C\ddot{I}C-PSPePsPIP\ddot{e}C... C,P_{\mu}C\acute{I}C,C-PI$.

$P-P\pm PsPeC\acute{z} C\ddot{e}PeC-C\ddot{H}P\ddot{e} C,P^{\circ} PiC-PrC\ddot{e}PeC-C\ddot{H}PSPsC-PeP\gg C-C,PePsPIP\ddot{e}PSP\ddot{e}$: $C\ddot{I}P^{\circ}C\acute{I}C,C-$
бҗ“ $P\ddot{I}PsC\acute{I}P\ddot{e}P\gg P_{\mu}PSP_{\mu} P\ddot{I}PsC,PsPIP\ddot{e}PrC-P\gg P_{\mu}PSPSC\ddot{I}\ddot{I}$; $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PIP\ddot{e}C\acute{I}P\ddot{e}PiP\ddot{e}$,
 $PsP\pm P\gg P\ddot{e}C\acute{I}C-PSPSC\ddot{I}\ddot{I}$, $PeC\ddot{H}PsPiP\ddot{e}Pi\ddot{I}b\ddot{I}^{\text{TM}} C\ddot{I}\ddot{I}PSPeP^{\circ}$, $C\acute{I}PIP_{\mu}C\ddot{H}P\pm C-P\ddot{I}$; $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ}$
 $PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“ $C\acute{I}P\ddot{e}PSC\ddot{I}C-$, $PSP^{\circ}P\pm C\ddot{H}C\ddot{I}PeP\ddot{e}$.

$P\ddot{Y}PeP_{\mu}P\gg P_{\mu}C,PSPs-Pj\ddot{e}\ddot{I}^{\text{TM}} C\ddot{I}\ddot{I}P\cdot PsPIC-PiPsC\ddot{H}C\acute{z}C\ddot{e}P_{\mu}PSPSC\ddot{I}\ddot{I}$: $C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“
 $P^{\circ}C\ddot{H}C,C\ddot{H}P^{\circ}P\gg PiC-C\ddot{I}\ddot{I}$, $PjC-P^{\circ}P\gg PiC-C\ddot{I}\ddot{I}$.

$P-P\pm PsPeC\acute{z} PSP\ddot{e}C\ddot{H}PsPe C,P^{\circ} C\acute{I}P_{\mu}C\ddot{I}PsPIP\ddot{e}PIC-PrPSP\ddot{e}C... C\ddot{e}P\gg C\ddot{I}\ddot{I}C...C-PI$: $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ}$
 $PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“ $P\cdot P^{\circ}C,C\ddot{H}P\ddot{e}PjPeP^{\circ} C\acute{I}P_{\mu}C\ddot{I}PsPIP\ddot{e}PiC\acute{I}C\acute{I}PeP^{\circ}PSPSC\ddot{I}\ddot{I}$.

$P-P\pm PsPeC\acute{z} C\ddot{H}P_{\mu}PiC\ddot{H}PsPrC\acute{z}PeC,P\ddot{e}PIPSPsC-C\acute{I}P\ddot{e}C\acute{I}C,P_{\mu}PjP\ddot{e} C,P^{\circ} PjPsP\gg PsC\ddot{I}PSP\ddot{e}C...$
 $P\cdot P^{\circ}P\gg PsP\cdot$: $C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C\acute{I} C\ddot{I}PsP\gg PsPIC-PeC-PI$: $C\ddot{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e} P_{\mu}C\ddot{I}PeC\acute{I}P\gg C\ddot{I}\ddot{I}C\ddot{I}C-C-$,
 $C-PjPiPsC,P_{\mu}PSC\ddot{I}C-C\ddot{I}\ddot{I}$; $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $C\acute{I} P\ddot{I}C-PSPsPe$: $PjP_{\mu}C,C\ddot{H}PsC\ddot{H}P^{\circ}PiC-C\ddot{I}\ddot{I}$,
 $PjP_{\mu}PSPsC\ddot{H}P^{\circ}PiC-C\ddot{I}\ddot{I}$; $C\ddot{I}P^{\circ}C\acute{I}C,PsC,P^{\circ} PSP_{\mu}PIC-PrPsPjP^{\circ}$ бҗ“ $PiP^{\circ}P\gg P^{\circ}PeC,PsC\ddot{H}P_{\mu}C\ddot{I}\ddot{I}$,
 $PiC-C\acute{I}P\gg C\ddot{I}\ddot{I}PiPsP\gg PsPiPsPIP^{\circ} PeC\ddot{H}PsPIPSC,P_{\mu}C\ddot{I}P^{\circ 3}$, $C\acute{I} C\ddot{I}PsP\gg PsPIC-PeC-PI$ бҗ“
 $PiC\ddot{H}C-P^{\circ}PiC-P\cdot Pj$.

$P-P^{\circ}PiP^{\circ}P\gg C\ddot{H}PSC-C\ddot{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$: $C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PIC,PsPjP^{\circ}$, $PiC-C\ddot{H}P_{\mu}PeC\acute{I}C-C\ddot{I}\ddot{I}$;
 $PSP_{\mu}C\ddot{I}P^{\circ}C\acute{I}C,C-$ бҗ“ $PSP^{\circ}P\pm C\ddot{H}C\ddot{I}Pe$.

¹ $P_{\mu}C\ddot{H}Ps PIP\ddot{e}PiP^{\circ}PrPeP\ddot{e} C\acute{I}C\acute{I}C-C\ddot{I}P\ddot{e}PrP^{\circ}P\gg C\ddot{H}PSP\ddot{e}C... PrC\acute{I}PjPsPe C,P^{\circ} P\ddot{I}PsPIP_{\mu}PrC-PSPeP\ddot{e}$
 $P\ddot{I}PsPIC-PrPsPjP\gg C\ddot{I}\ddot{I}P\gg P\ddot{e} PiC\ddot{H}PsC,C\ddot{I}PiPsPj P\gg C-PeC\acute{I}PIP^{\circ}PSPSC\ddot{I}\ddot{I}$ $P_{\mu}C\acute{I}C\ddot{I}P\ddot{e}C,P^{\circ}P\gg PsPiC\ddot{H}P^{\circ}PjPsPj P^{\circ}P\pm Ps$
 $PSP_{\mu}P\cdot P^{\circ}P\pm P^{\circ}C\ddot{H}PsPj PiC-C\acute{I}P\gg C\ddot{I}\ddot{I} PN_{\circ}PsPiPs PiC\ddot{H}P\ddot{e}PiP\ddot{e}PSP_{\mu}PSPSC\ddot{I}\ddot{I}$.

² $P\ddot{Y}P^{\circ}PeC- PIP\ddot{e}PiP^{\circ}PrPeP\ddot{e} PIC-PrPsPjC- PrP\gg C\ddot{I}\ddot{I} P\cdot P^{\circ}C\acute{I}PsP\pm C-PI C\acute{I}C\acute{I}C\ddot{H}PsPiPs PeP\gg P^{\circ}C\acute{I}C\acute{I}$

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë. PµCŤPëPïPëPSPµPSPSCŬ P»C-PeCíPIP°PSPSCŬ PŸP†P—P—PŸ
(PsCíPsP±P»PëPIPs CŤP°PïC,PsPIPµ) P·P°P·PIPëC†P°PNë PïCŤPëP·PIPsPrPëC,Ch PrPs
CíPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë. P—P°PïP°PjPsCŤPSc†PµPSPSCŬ, CíPµPSCíPsCŤPSC-
CŤPSP·P»P°PrPë (Cí C,. C†. PïP°CŤPµCíC,PµP·C-Cl C,P° PIC-PrC†CíC,C,Cl CíPrP°CŤCí
CíC,CŤCíPjPsPj), CŤPsP·P»P°PrPë CíPSCí (Cí C,. C†. P±PµP·CíPsPSPSCŬ C,P°
ClCíPeCŤP°PIC- CíPSPsPIPëPrC-PSPSCŬ), P·P±CíPrP¶PµPSPSCŬ P°P±Ps
C,CŤPëPIPsP¶PSC-CíC,Ch, PSCíPrPsC,P° C,P°/P°P±Ps P±P»CŤPIP°PSPSCŬ, C,CŤPµPjPsCŤ,
CíPïP»CíC,P°PSC-CíC,Ch CíPIC-PrPsPjPsCíC,C-, PïC-PrPIPëC%oPµPSPµ
PiPsC,PsPIPëPrC-P»PµPSPSCŬ, PiPsP»PsPIPSPëPNë P±C-P»Ch, PrC-P°CŤPµCl,
PiPsCíPëP»PµPSPµ CíPµCŤC†PµP±PëC,C,Cl, PµPjPsC†C-PNëPSP°
PSPµCíC,P°P±C-P»ChPSC-CíC,Ch, PrCŤP°C,C-PIP»PëPIC-CíC,Ch C- PïPsCŤCíC€PµPSPSCŬ
P·PsCŤCí C" PSP°PNëC†P°CíC,C-C€PëPjPë CŤPµP°PeC†C-ClPjPë. P—P°P·PIPëC†P°PNë C†C-
CíPëPjPiC,PsPjPë C" P»PµPiPePëPjPë P°P±Ps CíPµCŤPµPrPSC-PjPë P·P° C,ClP¶PeC-CíC,CŤ
C,P° PjPëPSCíC%oPëPjPë, PsPrPSP°Pe Cí PrPµClPePëC... PïP°C†C-C"PSC,C-PI PjPsP¶CíC,Ch
P±CíC,Pë C,ClP¶PePëPjPë C,P°/P°P±Ps C,CŤPëPIP°P»PëPjPë. PŸP°PePëPj C†PëPSPsPj,
CŤPµPePsPjPµPSPPrCíC"C,ChCíCl PiPsCíC,CíPiPsPIPµ PïCŤPëPïPëPSPµPSPSCŬ
P»C-PeCíPIP°PSPSCŬ PµCíC†PëC,P°P»PsPïCŤP°PjPsPj C€P»ClC...PsPj P·PSPëP¶PµPSPSCŬ
PrPsP·Pë (PrPëPI. CŤPsP·PrC-P»Pë B«PŸPïPsCíC-P± P·P°CíC,PsCíCíPIP°PSPSCŬ C,P°
PrPsP·PëB», B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíCíPIP°PSPSCŬB»).

[illegible]

PŷPμCḤPjC-PS PīCḤPēPṛP°C,PSPsCÍC,C-. 3 CḤPsPePē.

PJpJpPsPIPë P·P±PμCĤC-PiP°PSPSCĤ. P—P±PμCĤC-PiP°C, Pë Cr PSPμPrPsCĤC, CrPiPSPsPjCr PrP»CĤ PrC-C, PμPNë PjC-CĤC†C- PI PsCĤPëPiC-PSP°P»CHbPSC-PNë CrPiP°PePsPIC†C- PiCĤPë C, PμPjPiPμCĤP°C, CrCĤC- PSPμ PIPëC%Pμ 25 B°PŸ.

PJPiP°PePsPIPeP°. P₁₁Ps 10 C, P°P±P»P₁₁C, PsPe Cr P±P»C-ClC, P₁₁CT₅C-; P₁₁Ps 1 P°P±Ps 3, P°P±Ps 6 P±P»C-ClC, P₁₁CT₅C-PI Cr PeP°CT₅C, PsPSPSC-PN₂ P₁₁P°C±C†C-.

$$\mathbf{P}_{\mathbf{L}}\mathbf{P}^{\circ}\mathbf{C},\mathbf{P}_{\mathbf{M}}\mathbf{P}\mathbf{i}\mathbf{P}\mathbf{s}\mathbf{C}\mathbf{H}_2\mathbf{C}-\mathbf{C}\mathbf{H}\mathbf{P}\mathbf{I}\mathbf{C}-\mathbf{P}\mathbf{r}\mathbf{P}\mathbf{i}\mathbf{C}\mathbf{r}\mathbf{C}\mathbf{I}\mathbf{P}\mathbf{e}\mathbf{C}\mathbf{r}. \mathbf{P}-\mathbf{P}^{\circ}\mathbf{C}\mathbf{H}\mathbf{P}_{\mathbf{M}}\mathbf{C}\mathbf{I}\mathbf{P}_{\mathbf{M}}\mathbf{P}\mathbf{i}\mathbf{C},\mathbf{P}\mathbf{s}\mathbf{P}\mathbf{j}.$$
$$\mathbf{P'P\ddot{e}C\overline{H}PsP\pm PSp\ddot{e}P\mathbf{e}. P\ddot{y}P\overline{h}P' B\ll P\overline{x}P^{\circ}C\overline{H}PjP^{\circ} P\ddot{Y}C, P^{\circ}C\overline{H}C, B\gg, PjPeC\overline{H}P^{\circ}C-PSP^{\circ}.$$

Р_НС-СГ₁С†Р_μР·Р_{SP}°С...Р_{SP}Р†Р¶Р_μР_{SP}Р_{SC}Ц ПIPëC₇Р_{SP}±Р_{SP}ëР_εР° С,Р° Р°Р†C₇Р_μСГ†Р° Р_μС-СГ₁С†СЦ Р_μС₇Р_{SP}РIP°Р†Р¶Р¶Р_μР_{SP}Р_{SC}Ц РN₂Р_{SP}Р_μР_{SP} Р†С-СIP»С₇Р_{SP}Р_{SC}Г,С-.

$$\text{P}|\text{P}e\text{C}\bar{\text{H}}\text{P}^{\circ}\text{C}-\text{PSP}^{\circ}, 03124, \text{P}]. \text{P}\bar{\text{L}}\text{P}\bar{\text{e}}\text{C}-\text{PI}, \text{P}\pm\text{Cr}\text{P}\gg\text{CH}\text{PIP}^{\circ}\text{C}\bar{\text{H}} \text{P}'\text{P}^{\circ}\text{C}|\text{P}\gg\text{P}^{\circ}\text{PIP}^{\circ} \text{P}''\text{P}^{\circ}\text{PIP}\mu\text{P}\gg\text{P}^{\circ}, 8.$$