

$\text{P}_{\text{H}}\text{C}-\text{C}\dot{\text{I}}\text{P}\gg\text{C}\dot{\text{I}}\text{ PIPSCrC}, \text{C}\dot{\text{H}}\text{C}-\text{C}\epsilon\text{PSCbPsPIP}_{\mu}\text{PSPSPsPiPs PIPIP}_{\mu}\text{PrP}_{\mu}\text{PSPSC}\dot{\text{I}}\text{ PrPsP}\cdot\text{P}\ddot{\text{e}}\text{ 1Pi}$   
 $\text{PeC}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{PIP}^{\circ}\text{ B}\ll\text{PePsPSC}\dot{\text{I}}\text{P}_{\mu}\text{PSC}, \text{C}\dot{\text{H}}\text{P}^{\circ}\text{C}\dot{\text{I}}-\text{C}\dot{\text{I}}\text{ б}\dot{\text{H}}^{\prime\prime}\text{ C}\dot{\text{I}}\text{P}^{\circ}\text{C}\dot{\text{I}}\text{B}\gg\text{ PiPsPeP}^{\circ}\text{P}\cdot\text{C}\dot{\text{r}}\text{C}^{\prime\prime}$   
 $\text{C}, \text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}_{\mu}\text{PeC}\dot{\text{I}}\text{PiPsPSP}_{\mu}\text{PSC}\dot{\text{I}}\text{C}-\text{P}\text{N}_{\text{e}}\text{PSCr}\text{ PeC}-\text{PSP}_{\mu}\text{C}, \text{P}\ddot{\text{e}}\text{PeCr}\text{ P}\cdot\text{ C}\dot{\text{I}}\text{P}_{\mu}\text{C}\dot{\text{H}}\text{P}_{\mu}\text{PrPSC}-\text{Pj}$   
 $\text{PiP}_{\mu}\text{C}\dot{\text{H}}\text{C}-\text{PsPrPsPj PSP}^{\circ}\text{PiC}-\text{PIPIP}\ddot{\text{e}}\text{PIP}_{\mu}\text{PrP}_{\mu}\text{PSPSC}\dot{\text{I}}\text{ PiC}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\pm\text{P}\gg\text{P}\ddot{\text{e}}\text{P}\cdot\text{PSPs 2 PiPsPrP}\ddot{\text{e}}\text{PSP}\ddot{\text{e}}\text{ Cr}$

[illegible][illegible]

PiPμPjPsCḡP°PiC-C‡PSC- CḡCḡPeP»P°PrPSPμPSPSCḡ C,,C-P±CḡPḡPSPsP»C-C,PḡC‡PSPsC—  
C,PμCḡP°PiC-C—), C,P°Pe C- PjC-CḡC‡PμPIPsPiPs (PjP°C,PḡPsPIP°, CḡP»CḡPSPḡPsPIPs-  
PePḡCḡPePsPIP° PeCḡPsPIPsC,PμC‡P°, PeCḡPsPIPsC,PμC‡P° PiC-CḡP»Cḡ  
PiCḡPsCḡC,P°C,PμPeC,PsPjC-C—, C,PsPSP·PḡP»PμPeC,PsPjC-C—, PePsPSC-P·P°C‡C-C—  
CḡPḡPNḡPePḡ PjP°C,PḡPḡ, PμPeCḡC,CḡP°PeC‡C-C— P·CḡP±P° Cḡ C...PIPsCḡPḡC... PSP°  
PiPμPjPsC,,C-P»C-Cḡ).

### ***PμCḡPsC,PḡPiPsPeP°P·P°PSPSCḡ.***

PμC-PrPIPḡC%PμPSP° C‡CḡC,P»PḡPIC-CḡC,Cḡ PrPs P±CḡPrCḡ-CḡPePsPiPs  
PePsPjPiPsPSPμPSC,P° P»C-PḡP°CḡCḡCḡPePsPiPs P·P°CḡPsP±Cḡ, PiPsCḡC,CḡPḡPNḡ  
PIPμPSPsP·PSPḡPNḡ P°P±Ps P°CḡC,PμCḡC-P°P»CḡPSPḡPNḡ C,CḡPsPjP±PsP·,  
C,CḡPsPjP±PsPμPjP±PsP»C-C‡PSC- P·P°C...PIPsCḡCḡPIP°PSPSCḡ, C,CḡPsPjP±PsP·  
PiP»PḡP±PsPePḡC... PIPμPS, CḡC...PḡP»CḡPSC-CḡC,Cḡ PrPs C,CḡPsPjP±PsP·C-PI C,P°  
PμPjP±PsP»C-C—, PePsP°PiCḡP»PsPiP°C,C-Cḡ PIPSP°CḡP»C-PrPsPe PrPḡC,,CḡP·PSPsPiPs  
PIPSCḡC,CḡC-CḡPSCḡPsCḡCḡPrPḡPSPSPsPiPs P·PiPsCḡC,P°PSPSCḡ PeCḡPsPIC-  
(P°P°P—Pḡ-CḡPḡPSPPrCḡPsPj) P±PμP· P·PSP°C‡PSPsC— P°PeC,PḡPIP°C‡C-C—  
C,,C-P±CḡPḡPSPsP»C-P·Cḡ, PiPsCḡCḡCḡPμPSPSCḡ CḡPiCḡPḡPNḡPSCḡC,C,Cḡ  
PePsP»CḡPsCḡC-PI. PḡCḡP±P°CḡP°C...PSPsC—PrP°P»CḡPSC-  
PeCḡPsPIPsPIPḡP»PḡPIPḡ, C,CḡPḡPeP° PSPḡCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ  
(C-CḡPSCḡC” CḡPḡP·PḡPe PSP°PePsPiPḡC‡PμPSPSCḡ PiCḡPμPiP°CḡP°C,Cḡ),  
PiPμPjP°C,CḡCḡC-Cḡ, CḡCḡPrPsPjPḡ PI P°PSP°PjPSPμP·C- Cḡ PiP°C‡C-C”PSC,P°.  
PμCḡPsC,PḡPiPsPeP°P·P°PSPμ PiCḡPsPIPμPrPμPSPSCḡ C-PSC,CḡP°C,PμPeP°P»CḡPSPḡC... C,P°  
C-PSC,CḡP°PIPμPSC,CḡPḡPeCḡP»CḡCḡPSPḡC... C-PSḡḡ™ C”PeC‡C-PNḡPSPμ PIPμPrPμPSPSCḡ,  
C-PSC,CḡP°C‡PμCḡPμP±CḡP°P»CḡPSPμ PIPμPrPμPSPSCḡ (CḡPḡP·PḡPe PSP°P±CḡCḡPeCḡ  
PjPsP·PeCḡ P· PiPsPrP°P»CḡCḡPḡPj CḡPsP·PIPḡC,PePsPj CḡCḡPrPsPj). B

### ***P°P·P°C”PjPsPrC-Cḡ P· C-PSCḡPḡPjPḡ P»C-PḡP°CḡCḡCḡPePḡPjPḡ P·P°CḡPsP±P°PjPḡ C,P° C-PSCḡC- PIPḡPrPḡ PIP·P°C”PjPsPrC-PNḡ.***

PḡPμCḡPμP· PsP±PjPμPḡPμPSC-CḡC,Cḡ PrP°PSPḡC... PIPḡCḡPsPePsP°PeC,PḡPIPSC-  
PiCḡPsC,CḡPsPjP±C-PSPsPIC- PePsPjPiP»PμPeCḡPḡ C,P° C-PSCḡC-  
P°PSC,PḡC,,C-P±CḡPḡPSPsP»C-C,PḡC‡PSC- P°PiPμPSC,Pḡ, P°PSC,PḡC-PSiC-P±C-C,PsCḡPSC-  
PePsP°PiCḡP»CḡCḡC-PNḡPSC- PePsPjPiP»PμPeCḡPḡ PSPμ CḡP»C-Pr P·P°CḡC,PsCḡPsPICḡPIP°C,Pḡ  
PsPrPSPsC‡P°CḡPSPs P· C,CḡP°PSPμPeCḡP°PjPsPIPsCḡ PePḡCḡP»PsC,PsCḡ.  
PḡCḡP°PSPμPeCḡP°PjPsPICḡ PePḡCḡP»PsC,Cḡ PjPsPḡPSP° P·PjC-CḡCḡPIP°C,Pḡ P·  
P±C-P»CḡCḡC-CḡC,Cḡ CḡPsP·C‡PḡPSC-PI (PμP»PμPeC,CḡPsP»C-C,Pḡ, CḡPsP·C‡PḡPS  
PiP»CḡPePsP·Pḡ, PiCḡPsC,PḡCḡPsPePsPIPḡPNḡ CḡPsP·C‡PḡPS).

PμCḡPḡ PIPSCḡC,CḡC-CḡPSCḡPsPIPμPSPSPsPjCḡ PeCḡP°PiP»PḡPSPSPsPjCḡ  
PIPIPμPrPμPSPSC- PjPsPḡPSP° PrPsPrP°PIP°C,Pḡ PiPμPiP°CḡPḡPSPḡ.

PḡCḡPjC-CḡPSP° C,PμCḡP°PiC-Cḡ C...P»PsCḡPiCḡPsPjP°P·PḡPSPsPj C-  
C,CḡP°PSPμPeCḡP°PjPsPIPsCḡ PePḡCḡP»PsC,PsCḡ Cḡ PiP°C‡C-C”PSC,C-PI C-P·  
CḡCḡP±P°CḡP°C...PSPsC—PrP°P»CḡPSPḡPj PeCḡPsPIPsPIPḡP»PḡPIPsPj PjPsPḡPμ  
PiCḡPḡP·PIPsPrPḡC,Pḡ PrPs CḡPiP°P·PjCḡ PjPsP·PePsPIPḡC... CḡCḡPrPḡPS C-  
C‡PμCḡPμP±CḡP°P»CḡPSPsC— C-CḡPμPjC-C—, C,P°PePsPḡ PjPsPḡP»PḡPIPμ  
P·PSPḡPḡPμPSPSCḡ C‡PμCḡPμP±CḡP°P»CḡPSPsPiPs PeCḡPsPIPsPsP±C-PiCḡ.

P—P°CÍC-P± PSPµ CÍCÍPjC-CÍPSPëPNë P· CÍCĤPsPeC-PSP°P·PsCĤ,  
PSPsCĤP°PrCĤPµPSP°P»C-PSPsPj P±C-C,P°CĤC,CĤP°C,PsPj,  
PrPµP·PsPeCÍC-PµPíC-PSPµC,,CĤPëPSPsPj PiC-PrCĤPsC...P»PsCĤPëPrPsPj,  
PrPëPiC-CĤPëPrP°PjPsP»PsPj, PrC-P°P·PµPíP°PjPsPj.

P— PsP±PµCĤPµP¶PSC-CÍC,CĤ P·P°CÍC,PsCÍPsPICíPIP°C,Pë PíP°C†C-C”PSC,P°Pj, CĤPeC-  
PsC,CĤPëPjCíCĤC,CH P°PSC,PëC,,C-P±CĤPëPSPsP»C-C,PëC†PSCí C,PµCĤP°PíC-CĤ.

PµCĤPë PsPrPSPsC†P°CÍPSPsPjCí P·P°CÍC,PsCÍCíPIP°PSPSC- P· PµCÍC,CĤPsPiPµPSP°PjPë  
PíC-PrPIPëC%oCíC”C,CHCÍCĤ CĤPëP·PëPe CíC,PIPsCĤPµPSPSCĤ C,CĤPsPjP±C-PI.

### **PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍC¿PIP°PSPSCĤ.**

P’PSCíC,CĤC-CëPSCĤPsPIPµPSPSC- C-PSbĤ™C”PeC†C-C—B CĤPsP±PëC,Pë  
PíPsPIC-P»CHbPSPs. PŷCĤP°PSPµPeCÍP°PjPsPICí PePëCÍP»PsC,Cí PSPµ CÍP»C-Pr  
PIPIPsPrPëC,Pë PIPSCíC,CĤC-CëPSCĤPsPjBĤ™CĤP·PsPIPs.

PµCĤPë CëPIPëPrPePsPjCí PIPSCíC,CĤC-CëPSCĤPsPIPµPSPSPsPjCí PIPIPµPrPµPSPSC-  
PjPsP¶P»PëPIC- P·P°PíP°PjPsCĤPsC†PµPSPSCĤ C,P° PiC-PíPsC,PµPSP·C-CĤ, PrP»CĤ  
CíPSPëPePSPµPSPSCĤ P°CĤC,PµCĤC-P°P»CHbPSPsC— PiC-PíPsC,PµPSP·C-C—  
PíCĤPµPíP°CĤP°C, CÍP»C-Pr PIPIPsPrPëC,Pë PíPsPIC-P»CHbPSPs C- PI PeC-P»CHbPePsCÍC,C-  
PSPµ P±C-P»CHbCëPµ 1PjPi PSP° C...PIPëP»PëPSCí.

PµCĤPë PSPëCĤPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C- (P·P°P»PµP¶PSPs PIC-Pr  
CÍC,CíPiPµPSCĤ PíC-PrPIPëC%oPµPSPSCĤ PeCĤPµP°C,PëPSC-PSCí CÍPëCĤPsPIP°C,PePë  
PeCĤPsPIC- P·PjPµPSCëCíCĤC,CH PrPsP·Cí C- PeC-P»CHbPeC-CÍC,CH PIPIPµPrPµPSCĤ,  
PíCĤPë C,CĤP¶PeC-PNë PSPëCĤPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C- PíCĤPµPíP°CĤP°C,  
PíCĤPsC,PëPíPsPeP°P·P°PSPëPNë.

PµCĤPë P»C-PeCíPIP°PSPSC- PiPµPjP°C,CíCĤC-C— PSPëCĤPePsPIPsPiPs PiPµPSPµP·Cí  
P·CĤPsCÍC,P°C” CĤPëP·PëPe PjPµC...P°PSC-C†PSPsC— P°PSCíCĤC-C— PIPSP°CÍP»C-PrPsPe  
CíC,PIPsCĤPµPSPSCĤ P·PiCíCÍC,PeCí PI CíCĤPµC,CĤC-.

PµPµCĤPµPr P·P°CÍC,PsCÍCíPIP°PSPSCĤPj C,CĤP°PSPµPeCÍP°PjPsPIPsC— PePëCÍP»PsC,Pë  
PSPµPsP±C...C-PrPSPs PsC†C-PSPëC,Pë C,,P°PeC,PsCĤPë CĤPëP·PëPeCí  
C,CĤPsPjP±PsPµPjP±PsP»C-C†PSPëC... P·P°C...PIPsCĤCĤPIP°PSCĤ.

PŷPíPsCÍC,PµCĤC-PiP°P»PëCÍCĤ PIPëPíP°PrPePë PIPµPSPsP·PSPsPiPs C,P°  
P°CĤC,PµCĤC-P°P»CHbPSPsPiPs C,CĤPsPjP±PsP·Cí C†Pë C,CĤPsPjP±PsPµPjP±PsP»C-C— Cí  
PíP°C†C-C”PSC,C-PI, CĤPeC- P·P°CÍC,PsCÍPsPICíPIP°P»Pë PíCĤPµPíP°CĤP°C,.B PĤCĤC-Pj  
C,PsPiPs, PíPsPIC-PrPsPjP»CĤP»PsCÍCĤ PíCĤPs PIPëPíP°PrPePë P·P°PeCíPíPsCĤPµPSPSCĤ  
CÍCíPrPëPS CÍC-C,PeC-PIPePë C- C†PµPSC,CĤP°P»CHbPSPsC— CĤPµC,PëPSP°P»CHbPSPsC—  
PIPµPSPë, Cí PíP°C†C-C”PSC,C-PI P· C,CĤPsPjP±PsPµPjP±PsP»C-C†PSPsCĤ C...PIPsCĤPsP±PsCĤ  
P°P±Ps PSP°CĤIPSC-CÍC,CĤ PI P°PSP°PjPSPµP·C-B CÍPiP°PrPePsPIPëC...  
C,CĤPsPjP±PsPµPjP±PsP»C-C†PSPëC... P·P°C...PIPsCĤCĤPIP°PSCĤ C-CÍPSCíC”  
PíC-PrPIPëC%oPµPSPëPNë CĤPëP·PëPe PIPëPSPëPePSPµPSPSCĤ PIPµPSPsP·PSPëC... C†Pë  
P°CĤC,PµCĤC-P°P»CHbPSPëC... C,CĤPsPjP±PsP·C-PI.

PŷCĤP°PSPµPeCÍP°PjPsPICí PePëCÍP»PsC,Cí PSPµ CÍP»C-Pr P·P°CÍC,PsCÍPsPICíPIP°C,Pë  
PsPrPSPsC†P°CÍPSPs P· PePsPjPíP»PµPeCÍPsPj C,,P°PeC,PsCĤP° IX (Factor IX complex)  
P°P±Ps P°PSC,PëC-PSPiC-P±C-C,PsCĤPSPëPjPë PePsP°PiCíP»CĤC†C-PNëPSPëPjPë

PePsPjPiP»PμPeCfP°PjPë, PsCfPeC-P»CHbPePë PjPsP¶Pμ PiC-PrPIPeC%PeC,PeCfCHb C¶PëP·PëPe Crc,PIPsC¶PμPSPSC¶ C,C¶PsPjP±PsP·C-PI.

PμP°C†C-C"psc,Pë P· P"P·P—Pъ-ClPëPSPrC¶PsPjPsPj, ClPePëPj PSPμPsP±C...C-PrPSPμ P»C-PeCfPIP°PSPSC¶ PiC¶PμPiP°C¶P°c,PsPj, PiPsPIPePSPSC- PiPμC¶PμP±CfPIP°c,Pë PiC-Pr PSP°PiP»C¶PrPsPj P»C-PeP°C¶C¶, ClPePëPμ PjP°c" PrPsCfPIC-Pr C,PμC¶P°PiC-C— C,P°PePëC... P·P°c...PIPsC¶C¶PIP°PSCb.

PJ PiP°C†C-C"psc,C-PI P· PrPëCfPμPjC-PSPsPIP°PSPëPj PIPSCrc,C¶C-C¶PSCbPsCfCfPrPëPSPSPëPj P·PiPsC¶C,P°PSPSC¶Pj PeC¶PsPIC- (P"P·P—Pъ- ClPëPSPrC¶PsPj) P»C-PeCfPIP°PSPSC¶ PiPsPIPePSPSPs P±CfC,Pë PsP±PjPμP¶PμPSPμ C,C-P»CHbPePë Crc PIPëPiP°PrPeCf PiPμC¶PμPIP°P¶P°PSPSC¶ P°PeC,PëPIP°C†C-C— C„C-P±C¶PëPSPsP»C-C,PëC±PSPsC— ClPëCfC,PμPjPë PiC¶Pë PiPsCfC,C¶PëC... C,ClP¶PePëC... PeC¶PsPIPsC,PμC±P°c....

PJ PiP°C†C-C"psc,C-PI P· PIPëCfPsPePëPj C¶PëP·PëPePsPj C¶PsP·PIPëC,PeCf C,C¶PsPjP±PsPμPjP±PsP»C-C— PjPsP¶P»PëPIPμ P·P°CfC,PsCfCfPIP°PSPSC¶ C,C¶P°PSPμPeCfP°PjPsPIPsC— PePëCfP»PsC,Pë C¶P°P·PsPj P· PiPμPiP°C¶PëPSPsPj. P¶C¶P°PSPμPeCfP°PjPsPIP° PePëCfP»PsC,P° PSPμ PIPiP»PëPIP°c" PSP° PjPμC...P°PSC-P·Pj PrC-C— PiPμPiP°C¶PëPSCf.

PμC-Pr C±P°Cf P»C-PeCfPIP°PSPSC¶ PiC¶PsC,ClPiPsPj PeC-P»CHbPePsC... PrPSC-PI PSPμPsP±C...C-PrPSPμ ClPiPsCfC,PμC¶PμP¶PμPSPSC¶B PsC„C,P°P»CHbPjPsP»PsPiP° P· PiPμC¶PμPIC-C¶PePsC¶ PiPsCfC,C¶PsC,Pë, PiPsP»C-PI C- PePsP»CHbPsC¶PsPIPsPiPs P·PsC¶Cf, PsPiP»C¶PrPsPj PsC±PSPsPiPs PrPSP°.

P— PsP±PμC¶PμP¶PSC-CfC,C¶ P·P°CfC,PsCfPsPICfPIP°c,Pë C,C¶P°PSPμPeCfP°PjPsPICf PePëCfP»PsC,Cf PiP°C†C-C"psc,P°Pj, ClPeC- PiC¶PëPμPjP°C¶C,CHb PiPμC¶PsC¶P°P»CHbPSC- PePsPSC,C¶P°C†PμPiC,PëPIPë, PsCfPeC-P»CHbPePë PiC-PrPIPeC%CrC"C,CHbCfC¶ C¶PëP·PëPe PIPëPSPëPePSPμPSPSC¶ C,C¶PsPjP±PsP·C-PI.

PμC¶Pë P·P°CfC,PsCfCfPIP°PSPSC- C,C¶P°PSPμPeCfP°PjPsPIPsC— PePëCfP»PsC,Pë PiPsPIC-PrPsPjP»C¶P»PsCfC¶ PiC¶Ps PIPëPiP°PrPePë ClCfPrPsPj.B P'C-P»CHbC¶C-CfC,CHb C-P· C†PëC... PIPëPiP°PrPeC-PI P±CfP»Pë P·P°C¶PμC"CfC,C¶PsPIP°PSC- PiC-CfP»C¶ PIPSCrc,C¶C-C¶PSCbPsPIPμPSPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSC- C,C¶P°PSPμPeCfP°PjPsPIPsC— PePëCfP»PsC,Pë Crc PIPëCfPsPePëC... PrPsP·P°c... PiC¶Pë PiC¶PsPIPμPrPμPSPSC-B P°PsC¶C,PsPePsC¶PsPSP°C¶PSPsPiPs C¶CfPSC,CfPIP°PSPSC¶ (P¶PъPë). PμC¶Pë PIPëPePsC¶PëCfC,P°PSPSC- C¶PμPePsPjPμPSPrPsPIP°PSPëC... PSPëP·CHbPePëC... PrPsP· C,C¶P°PSPμPeCfP°PjPsPIPsC— PePëCfP»PsC,Pë, C±P°CfC,PsC,P° PIPëPSPëPePSPμPSPSC¶ PIPëPiP°PrPeC-PI ClCfPrPsPj PiC-CfP»C¶ PsPiPμC¶P°C†C-Pμ C,P°PeP° P¶, ClPe C- Crc PiP°C†C-C"psc,C-PI, ClPeC- PSPμ PsC,C¶PëPjCfPIP°P»Pë C,C¶P°PSPμPeCfP°PjPsPICf PePëCfP»PsC,Cf.

*P—P°CfC,PsCfCzPIP°PSPSC¶ Cz PiPμC¶C-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCzPIP°PSPSC¶ PiC¶CzPrPrC¶.*

P-C-PSPëPë PrC-C,PsC¶PsPrPSPsPiPs PIC-PeCf PiC-Pr C±P°Cf P»C-PeCfPIP°PSPSC¶ PiPsPIPePSPSC- PIPëPePsC¶PëCfC,PsPICfPIP°c,Pë PμC„PμPeC,PëPIPSC- P·P°CfPsP±Pë PePsPSC,C¶P°C†PμPiC†C-C—.

$$\text{P}_{\text{H}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{P}\text{C}-\text{C}\acute{\text{r}}\text{C}\text{P}_{\text{U}}\text{I}\text{P}\text{S}\text{P}\text{C}\acute{\text{r}}\text{C}_{\text{H}}\text{C}-\text{P}\pm\text{C}\text{H}\text{P}\ddot{\text{e}}\text{P}\text{S}\text{P}\text{S}\text{P}\gg\text{C}-\text{P}\cdot\text{C}-\text{C}\text{H}\text{P}_{\text{U}}\text{P}\text{e}\text{P}\text{S}\text{P}\text{C}\text{P}_{\text{U}}\text{P}\text{S}\text{P}\text{r}\text{C}\acute{\text{r}}\text{C}''\text{C}_{\text{H}}\text{C}\text{H}\text{C}\acute{\text{r}}\text{C}\text{H}$$

PhCfPpPpPeC, Pp PpC,, PpPeC, PpPIPSpCfC, C-, PsCfPsP±P»PpPIPsCfC, C- PrPsP-CrPIP°PSPSCl C-  
P±PpP·PiPpPePp P·P°CfC, PsCfCrPIP°PSPSCl C, C7P°PSPpPeCfP°PjPsPIPsC— PePpCfP»PsC, Pp  
PrC-C, ClPj, ClPeC- PiPpC7PpPSPpCfP»Pp PsPiPpC7P°C†C-C— PSP° CfPpC7C†C-, PSPp  
P±CrP»Pp PrPsCfP»C-PrPpPpPSC- Pi PiPsPIPSpPiCr PsP±CfClP·C-.

## ***PμPμCḡPμPrPsP·CžPIP°PSPSCḡ.***

PJ PīPsPsPrPēPSPsPePēC... PIPēPīP°PrPeP°C... PjPsP¶CḡC,CH CḡPīPsCḡC,PμCḡC-PiP°C,PēCḡCḡ  
PSCḡPrPsC,P°, P±P»CḡPIP°PSPSCḡ, PsCḡC,PsCḡC,P°C,PēC±PSC- CḡPēPjPīC,PsPjPē,  
P°CḡC,PμCḡC-P°P»CHPSP° PiC-PīPsC,PμPSP·C-Cḡ, P·P°PīP°PjPsCḡPsC±PμPSPSCḡ,  
PiPsP»PsPIPSPēPNē P±C-P»CH, CḡCḡPrPsPjPē P°P±Ps PīPsCḡPēP»PμPSPSCḡ PiCḡPsCḡPIC-PI  
C-PSCēPēC... PīPsP±C-C±PSPēC... CḡPμP°PeC†C-PNē.

*P>C-PeCžPIP°PSPSCḡ:* CḡPēPjPīC,PsPjP°C,PēC±PSPμ, C,,PsCḡCḡPsPIP°PSPēPNē PrC-CḡCḡPμP·.B

## ***PμPsP±C-C±PSC- CḡPμP°PeC†C-C—.***

*P— P±PsPeCž C,CḡP°PIPSPsPiPs C,CḡP°PeC,Cž:* PSCḡPrPsC,P°, P±P»CḡPIP°PSPSCḡ,  
PrC-P°CḡPμCḡ, PIC-PrC±CḡC,C,Cḡ PrPēCḡPePsPjC,,PsCḡC,Cḡ Cḡ CēP»CḡPSPeCḡ C,P°  
PePēCēPμC±PSPēPeCḡ.

*P— P±PsPeCž PSPμCḡPIPsPIPsC— CḡPēCḡC,PμPjPē:* CḡCḡPrPsPjPē,  
P·P°PīP°PjPsCḡPsC±PμPSPSCḡ.

*PŸCžPrPēPSPSC- CḡPsP·P»P°PrPē:* P°CḡC,PμCḡC-P°P»CHPSP° PiC-PīPsC,PμPSP·C-Cḡ  
(PsCḡPsP±P»PēPIPs PīC-CḡP»Cḡ CēPIPēPrPePsPiPs PIPSCḡC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs  
PIPIPμPrPμPSPSCḡ), PsCḡC,PsCḡC,P°C,PēC±PSP° PiC-PīPsC,PμPSP·C-Cḡ,B  
C,CḡPsPjP±PsPμPjP±PsP»C-C—, C,CḡPsPjP±PsP· PiP»PēP±PsPePēC... PIPμPS, PμPjP±PsP»C-Cḡ  
P»PμPiPμPSCḡ, C,CḡPsPjP±PsP· CḡCḡPrPēPS PiPsP»PsPIPSPsPiPs PjPsP·PeCḡ.

*P— P±PsPeCž PSPēCḡPsPe C,P° CḡPμC±PsPIPēPrC-P»CHPSPēC... CēP»CḡC...C-PI:*  
PiPsCḡC,CḡPēPNē PSPμPeCḡPsP· PePsCḡPePsPIPsPiPs CēP°CḡCḡ PSPēCḡPsPe.

*P— P±PsPeCž PsCḡPiP°PSC-PI P·PsCḡCž:* PīPsCḡCḡCēPμPSPSCḡ P·PsCḡCḡ,  
C...CḡPsPjP°C,PsPīCḡC-Cḡ.

PḡPsP¶P»PēPIC- CḡPμP°PeC†C-C— PiC-PīPμCḡC±CḡC,P»PēPIPsCḡC,C-, PIPeP»CḡC±P°CḡC±Pē  
P°PSP°C,,C-P»P°PeCḡC-Cḡ, CēPeC-CḡPSC- PIPēCḡPēPīP°PSPSCḡ.

## ***PŸPμCḡPjC-PS PīCḡPēPrP°C,PSPsCḡC,C-. 2 CḡPsPePē.***

## ***PJPjPsPIPē P·P±PμCḡC-PiP°PSPSCḡ.***

*P— P±PμCḡC-PiP°C,Pē PI PsCḡPēPiC-PSP°P»CHPSC-PNē CḡPīP°PePsPIC†C-B PīCḡPē*  
*C,PμPjPīPμCḡP°C,CḡCḡC- PSPμ PIPēC%oPμ 25 B°PŸ.B PḡPμ P·P°PjPsCḡPsP¶CḡPIP°C,Pē.*  
*P— P±PμCḡC-PiP°C,Pē PI PSPμPrPsCḡC,CḡPīPSPsPjCḡ PrP»Cḡ PrC-C,PμPNē PjC-CḡC†C-.*

## ***PḡPμCḡCžPjC-CḡPSC-CḡC,CH.***

PḡP°CḡPjP°C†PμPIC,PēC±PSPs PSPμCḡCḡPjC-CḡPSPēPNē P· PīCḡPμPīP°CḡP°C,P°PjPē PeCḡPsPIC-;

C<sub>7</sub>H<sub>5</sub>PsP·C<sub>4</sub>P<sub>6</sub>PSP°PjP<sub>6</sub>, C%<sub>00</sub>Ps PjC-C<sub>7</sub>C, C<sub>4</sub>C, C<sub>7</sub>H<sub>5</sub> PiP<sub>μ</sub>PSC-C<sub>4</sub>P<sub>6</sub>P»C-PS,  
PiC-PiP<sub>μ</sub>C<sub>7</sub>C, P<sub>μ</sub>PSP·P<sub>6</sub>PIPSC- P·P°C<sub>7</sub>PsP±P<sub>6</sub> (PSPsC<sub>7</sub>P<sub>μ</sub>PiC-PSP<sub>μ</sub>C,, C<sub>7</sub>H<sub>5</sub>P<sub>6</sub>PS,  
PrP<sub>μ</sub>P·PsPeC<sub>7</sub>C-P<sub>μ</sub>PiC-PSP<sub>μ</sub>C,, C<sub>7</sub>H<sub>5</sub>P<sub>6</sub>PSC<sub>7</sub> PiC-PrC<sub>7</sub>PsC...P»PsC<sub>7</sub>H<sub>5</sub>Pr;  
C, P<sub>μ</sub>C, C<sub>7</sub>H<sub>5</sub>P°C<sub>4</sub>P<sub>6</sub>PeP»C-PSP°PjP<sub>6</sub>; PrP<sub>6</sub>PiC-C<sub>7</sub>H<sub>5</sub>P<sub>6</sub>PrP°PjPsP»PsPj; PrC-P°P·P<sub>μ</sub>PiP°PjPsPj.

P<sub>4</sub>P<sub>μ</sub>C<sub>7</sub>C<sub>7</sub>PjC-C<sub>7</sub>PSP<sub>6</sub>PN<sub>6</sub> P· C<sub>7</sub>C<sub>7</sub>PsPeC-PSP°P·PsC<sub>7</sub>, PsPeC<sub>7</sub>C-Pj PIP<sub>6</sub>PiP°PrPeC-PI  
P·P°C<sub>7</sub>C, PsC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>4</sub> C<sub>4</sub>Pe P°PSC, P<sub>6</sub>PrPsC, C<sub>7</sub> PiC-C<sub>7</sub>P»C<sub>4</sub>  
PiP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPsP·C<sub>7</sub>PIP°PSPSC<sub>4</sub> PsC<sub>7</sub>C, P°PSPSCH<sub>5</sub>PsC—.

## **PJPiP°PePsPIPeP°.**

P<sub>4</sub>Ps 5 PjP» PI P°PjPiC<sub>7</sub>P»C- P· P±P<sub>μ</sub>P·P±P°C<sub>7</sub>PIPSPsPiPs C<sub>7</sub>PeP»P°; PiPs 5 P°PjPiC<sub>7</sub>P» PI  
P»PsC, PeC<sub>7</sub> P· P<sub>4</sub>P'P<sub>7</sub>; PePsP<sub>7</sub>P<sub>μ</sub>PS P»PsC, PsPe PI C<sub>7</sub>PiP°PePsPIC<sub>7</sub>C- P· PeP°C<sub>7</sub>C, PsPSC<sub>7</sub>.

**P<sub>7</sub>P°C, P<sub>μ</sub>PiPsC<sub>7</sub>C-C<sub>4</sub> PIC-PrPiC<sub>7</sub>C<sub>7</sub>PeC<sub>7</sub>.** P·P° C<sub>7</sub>H<sub>5</sub>P<sub>μ</sub>C<sub>4</sub>P<sub>μ</sub>PiC, PsPj.

## **P'P<sub>6</sub>C<sub>7</sub>PsP±PSP<sub>6</sub>Pe.**

P<sub>7</sub>C, P<sub>μ</sub>C<sub>7</sub>H<sub>5</sub>P<sub>6</sub>P»-P"P<sub>7</sub>P<sub>μ</sub>PS P>P°PN<sub>6</sub>C,, P<sub>7</sub>P°PN<sub>6</sub>C"PSC<sub>7</sub>P<sub>6</sub>P· (P<sub>4</sub>) P>C, Pr/Steril-Gene Life Sciences (P)  
Ltd.

**P<sub>7</sub>C-C<sub>7</sub>C<sub>4</sub>P<sub>μ</sub>P·PSP°C...PsPrP<sub>7</sub>P<sub>μ</sub>PSPSC<sub>4</sub> PIP<sub>6</sub>C<sub>7</sub>PsP±PSP<sub>6</sub>PeP° C, P° P°PrC<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>P°  
PjC-C<sub>7</sub>C<sub>4</sub>C<sub>4</sub> PiC<sub>7</sub>PsPIP°PrP<sub>7</sub>P<sub>μ</sub>PSPSC<sub>4</sub> PN<sub>6</sub>PsPiPs PrC-C<sub>4</sub>P»CH<sub>5</sub>PSPsC<sub>7</sub>C, C-.**

B,, - 45, P<sub>7</sub>P°PSPiP°P»P°Pj P<sub>7</sub>P<sub>μ</sub>PN<sub>6</sub>PS P PsC<sub>7</sub>Pr, P'C-P»P»C-P°PSC<sub>7</sub>C<sub>7</sub> P<sub>7</sub>PsPjPj<sub>7</sub>H<sub>5</sub>™ C<sub>7</sub>PS,  
P<sub>4</sub>C<sub>7</sub>PrC<sub>7</sub>C<sub>4</sub>P<sub>μ</sub>C<sub>7</sub>C<sub>7</sub>C-, 605110, P<sub>4</sub>PSP<sub>7</sub>C-C<sub>4</sub>/No. 45, Mangalam Main Road, Villianur Commune, B  
Puducherry 605110, India

## **P—P°C<sub>4</sub>PIPSP<sub>6</sub>Pe.**

P<sub>7</sub>C<sub>7</sub>P»C-Pi P>P°P± P<sub>4</sub>C<sub>7</sub>H<sub>5</sub>P°PN<sub>6</sub>PIC-C, P>C-PjC-C, P<sub>μ</sub>Pr, P<sub>4</sub>PSP<sub>7</sub>C-C<sub>4</sub>/Tulip Lab Private Limited,  
India

**P<sub>7</sub>C-C<sub>7</sub>C<sub>4</sub>P<sub>μ</sub>P·PSP°C...PsPrP<sub>7</sub>P<sub>μ</sub>PSPSC<sub>4</sub> P·P°C<sub>4</sub>PIPSP<sub>6</sub>PeP° C, P°B P°PrC<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>P°  
PjC-C<sub>7</sub>C<sub>4</sub>C<sub>4</sub> PiC<sub>7</sub>PsPIP°PrP<sub>7</sub>P<sub>μ</sub>PSPSC<sub>4</sub> PN<sub>6</sub>PsPiPs PrC-C<sub>4</sub>P»CH<sub>5</sub>PSPsC<sub>7</sub>C, C-.**

4024, P<sub>7</sub>-P'C-PSPi, P<sub>7</sub>P±P<sub>μ</sub>C<sub>7</sub>PsC— P"P°C<sub>7</sub>PrP<sub>μ</sub>PS P·C<sub>7</sub>C, P<sub>μ</sub>PN<sub>6</sub>C,, P<sub>7</sub>P°PSP<sub>7</sub>C-PIP°P»C-,  
P<sub>7</sub>PSP<sub>7</sub>C...P<sub>μ</sub>C<sub>7</sub>C- (P<sub>4</sub>C<sub>7</sub>C,), P<sub>7</sub>C<sub>7</sub>PjP±P°C—B 400 072, P<sub>4</sub>PSP<sub>7</sub>C-C<sub>4</sub>/

4024, A-Wing, Oberoi Garden Estate, Chandivali, Andheri (East), Mumbai 400 072, India