

$P_iP_{\mu}C_{\mu}, P_{\mu}P_iC-P_j$ $P_iC_{\overline{H}}P_{\overline{e}}P_iPSC-C\pm C'c''$ $C'P_{\overline{e}}PSC, P_{\mu}P_{\cdot}$ $C_{\mu}, P_{\mu}C_{\overline{H}}P_jP_{\mu}PSC, C-PI$ $C'c', C-PSPeP_{\overline{e}}$
 $P\pm P^{\circ}PeC, P_{\mu}C_{\overline{H}}C-P^{\circ}P\gg CH\overline{P}SPsC- PeP\gg C-C, P_{\overline{e}}PSP_{\overline{e}}$ $C- P_jP^{\circ}C''$ $C_{\overline{e}}P_{\overline{e}}C_{\overline{H}}PsPeP_{\overline{e}}PN_{\overline{e}}$ $C'P_iP_{\mu}PeC, C_{\overline{H}}$
 $PrC-C- C\%PsPrPs$ $C_{\overline{H}}C-P\cdot PSP_{\overline{e}}C\ldots$ $P_iC_{\overline{H}}P^{\circ}P_jP_iPsP_{\cdot}P_{\overline{e}}C, P_{\overline{e}}PIPSP_{\overline{e}}C\ldots$ $C-$
 $P_iC_{\overline{H}}P^{\circ}P_jPSP_{\mu}P_iP^{\circ}C, P_{\overline{e}}PIPSP_{\overline{e}}C\ldots$ $P\pm P^{\circ}PeC, P_{\mu}C_{\overline{H}}C-PN_{\overline{e}}$ $P_iP_{\mu}C_{\mu}, P_{\mu}P_iC-P_j$

PIPëCÍPsPePsCÍC,C-PNëPePëPNë PrPs PiC-PrCĤPsP»C-P·Cí P±C-P»CHC€C-CÍC,CĤ β-
P»P°PeC,P°PjP°P·, PjP°C” PjP°P»Cí CÍPíPsCĤC-PrPSPμPSC-CÍC,CĤ C%oPsPrPs β-
P»P°PeC,P°PjP°P·, C%oPs PePsPrCíCĤC,CĤCÍCÍ C...CĤPsPjPsCÍPsPjPSPëPjPë PiPμPSP°PjPë, C-
C€PIPëPrPePs PíCĤPsPSPëPeP°C” Cí PiCĤP°PjPSPμPiP°C,PëPIPSC-
P±P°PeC,PμCĤC-P°P»CHPSC- PeP»C-C,PëPSPë.

PiPμC,,PμPíC-Pj P°PeC,PëPIPSPëPNë C%oPsPrPs C,P°PePëC... PjC-PeCĤPsPsCĤPiP°PSC-P·PjC-PI:

PiCĤP°PjPiPsP·PëC,PëPIPSC- P°PμCĤPsP±Pë: Staphylococcus aureus C,P° Staphylococcus
epidermidis (PIPeP»CĤC±P°CĤC±Pë C—C... C€C,P°PjPë, C%oPs PíCĤPsPrCíPeCíCĤC,CĤ β-
P»P°PeC,P°PjP°P·Cí); C-PSC€C- C€C,P°PjPë CÍC,P°C,,C-P»PsPePsPeC-PI, PIPeP»CĤC±P°CĤC±Pë
S. hominis, S. saprophyticus; Streptococcus pyogenes (CÍC,CĤPμPíC,PsPePsPePë PiCĤCíPíPë Ph);
Streptococcus agalactiae (CÍC,CĤPμPíC,PsPePsPePë PiCĤCíPíPë P’); Streptococcus pneumoniae
(PIPeP»CĤC±P°CĤC±Pë C€C,P°PjPë P· CÍPμCĤPμPrPSCĤPsCĤ CÍC,C-PNëPeC-CÍC,CĤ PrPs
PíPμPSC-CíPëP»C-PSCí - PĤPμPĤ PIC-Pr

0,1 PrPs 1 PjPePi/PjP»); C-PSC€C- β-PiPμPjPsP»C-C,PëC±PSC- CÍC,CĤPμPíC,PsPePsPePë
(PiCĤCíPíPë C, G, F), S. bovis (PiCĤCíPíP° D), CÍC,CĤPμPíC,PsPePsPePë PiCĤCíPíPë Viridans.
(P’C-P»CHC€C-CÍC,CĤ C€C,P°PjC-PI PμPSC,PμCĤPsPePsPeC-PI, PSP°PiCĤPëPeP»P°Pr
Enterococcus faecalis C- CÍC,P°C,,C-P»PsPePsPePë, CĤPμP·PëCÍC,PμPSC,PSC- PrPs
PjPμC,PëCíPëP»C-PSCí, CĤPμP·PëCÍC,PμPSC,PSC- PrPs P±C-P»CHC€PsCÍC,C-
CíPμC,,P°P»PsCÍPíPsCĤPëPSPsPiPëC... P°PSC,PëP±C-PsC,PëPeC-PI, PIPeP»CĤC±P°CĤC±Pë
CíPμC,,PμPíC-Pj);

PiCĤP°PjPSPμPiP°C,PëPIPSC- P°PμCĤPsP±Pë: Pseudomonas spp., PIPeP»CĤC±P°CĤC±Pë P.
aeruginosa, P. putida, P. stutzeri; Escherichia coli, Klebsiella spp., PIPeP»CĤC±P°CĤC±Pë K.
pneumoniae, K. oxytoca, K. ozaenae; Enterobacter spp., PIPeP»CĤC±P°CĤC±Pë E. cloacae, E.
aerogenes, E. sakazakii; Proteus spp., PIPeP»CĤC±P°CĤC±Pë P. mirabilis, P. vulgaris; Acinetobacter
calcoaceticus (subsp. anitratus, lwoffii); Aeromonas hydrophila; Capnocytophaga spp.; Citrobacter
spp., PIPeP»CĤC±P°CĤC±Pë C. diversus, C. freundii; Campylobacter jejuni; Gardnerella vaginalis;
Haemophilus ducreyi; H. influenzae (PIPeP»CĤC±P°CĤC±Pë C€C,P°PjPë, C%oPs
PíCĤPsPrCíPeCíCĤC,CĤ β-P»P°PeC,P°PjP°P·Cí);

H. parainfluenzae; Hafnia alvei; Legionella spp.; Morganella morganii; Moraxella catarrhalis
(Branhamella catarrhalis) (PIPeP»CĤC±P°CĤC±Pë C€C,P°PjPë, C%oPs PíCĤPsPrCíPeCíCĤC,CĤ β-
P»P°PeC,P°PjP°P·Cí); Neisseria gonorrhoeae (PIPeP»CĤC±P°CĤC±Pë C€C,P°PjPë, C%oPs
PíCĤPsPrCíPeCíCĤC,CĤ β-P»P°PeC,P°PjP°P·Cí); N. meningitidis; Pantoea agglomerans
(PIC-PrPsPjPëPNë CÍPe Enterobacter agglomerans); Providencia spp. (PIPeP»CĤC±P°CĤC±Pë P.
rettgeri, P. stuartii); Salmonella spp.; Serratia (PIPeP»CĤC±P°CĤC±Pë S. marcescens, S.
liquefaciens); Shigella spp.; Yersinia enterocolitica

(CíPμC,,PμPíC-Pj PSPμP°PeC,PëPIPSPëPNë C%oPsPrPs P±P°PiP°C,CĤPsC... C€C,P°PjC-PI
Xanthomonas maltophilia C- Pseudomonas maltophilia);

P°PSP°PμCĤPsP±Pë: Bacteroides spp., PIPeP»CĤC±P°CĤC±Pë B. melaninogenicus C,P° C-PSC€C-
PjC-PeCĤPsPsCĤPiP°PSC-P·PjPë CĤPsC,PsPIPsC— PíPsCĤPsP¶PSPëPSPë, C%oPs
PSP°P»PμP¶P°C,CĤ PrPs Bacteroides; Clostridium perfringens; Fusobacterium spp.; Mobiluncus
spp.; Peptostreptococcus spp.; Veillonella spp.

(PiPμC,,PμPíC-Pj PSPμP°PeC,PëPIPSPëPNë C%oPsPrPs Bacteroides fragilis C- Clostridium difficile).

$P\alpha P^{\circ}C\tilde{H}PjP^{\circ}PePsPeC-PSP\mu C,PePeP^{\circ}$. $P\check{Y}P_{\mu}C\tilde{H}P_{\mu}PrPSC- PePsPSC\ddagger P_{\mu}PSC,C\tilde{H}P^{\circ}C\ddagger C-C-$
 $C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r} C\acute{r} P\ddot{I}P\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC- C\acute{r} PrPsC\tilde{H}PsC\acute{I}P\gg P\ddot{e}C... P\cdot PrPsC\tilde{H}PsPIP\ddot{e}C...$
 $C\ddagger PsP\gg PsPIC-PeC-PI C\ddagger P_{\mu}C\tilde{H}P_{\mu}P\cdot C\tilde{H}C-P\cdot PSP\ddot{e}PN_{\circ} C\ddagger P^{\circ}C\acute{I} P\ddot{I}C-C\acute{I}P\gg C\ddot{I}$
 $PsPrPSPsC\tilde{H}P^{\circ}P\cdot PsPIPSPiPs PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSCH\ddot{b}PsPIP_{\mu}PSPSPSPiPs C,P^{\circ}$
 $PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSCH\ddot{b}PsPj\mathfrak{b}\tilde{H}^{\text{TM}} C\ddot{I}P\cdot PsPIPSPiPs PIPIP_{\mu}PrP_{\mu}PSPSC\ddot{I} PSP^{\circ}PIP_{\mu}PrP_{\mu}PSC- C\acute{r}$
 $C,P^{\circ}P\pm P\gg P\ddot{e}C\ddagger C- 4.$

$P_{\mu}PsPSC\ddagger P_{\mu}PSC,C\tilde{H}P^{\circ}C\ddagger C-C\ddot{I} C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r} C\acute{r} P\ddot{I}P\gg P^{\circ}P\cdot PjC- PeC\tilde{H}PsPIC- (PjPePi/PjP\gg)$
 $P\ddot{I}C\tilde{H}P\ddot{e} PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSCH\ddot{b}PsPIP_{\mu}PSPSPSPjC\acute{r} (PI/PI) C,P^{\circ}$
 $PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSCH\ddot{b}PsPj\mathfrak{b}\tilde{H}^{\text{TM}} C\ddot{I}P\cdot PsPIPSPjC\acute{r} (PI/Pj) PIPIP_{\mu}PrP_{\mu}PSPSC-$

$P\check{Y}P^{\circ}P\pm P\gg P\ddot{e}C\ddagger C\ddot{I} 4$

$P^{\circ}PsP\cdot P^{\circ}$ $C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r}$	0,5 PiPsPrP $\ddot{e}$ PS $\ddot{P}$	1 PiPsPrP $\ddot{e}$ PS $\ddot{P}^{\circ}$	2 PiPsPrP $\ddot{e}$ PS $\ddot{P}\ddot{e}$	4 PiPsPrP $\ddot{e}$ PS $\ddot{P}\ddot{e}$	8 PiPsPrP $\ddot{e}$ PS	12 PiPsPrP $\ddot{e}$ PS
500 PjPi PI/PI	38,2	21,6	11,6	5	1,4	0,2
1 Pi PI/PI	78,7	44,5	24,3	10,5	2,4	0,6
2 Pi PI/PI	163,1	85,8	44,8	19,2	3,9	1,1
500 PjPi PI/Pj	8,2	12,5	12	6,9	1,9	0,7
1 Pi PI/Pj	14,8	25,9	26,3	16	4,5	1,4
2 Pi PI/Pj	36,1	49,9	51,3	31,5	8,7	2,3

$Pj C\acute{I}P_{\mu}C\ddagger C-, P\P PsPIC\ddagger C-, P\ddot{I}P_{\mu}C\tilde{H}P\ddot{e}C,PsPSP_{\mu}P^{\circ}P\gg CH\ddot{b}PSC-PN_{\circ} C\tilde{H}C-PrP\ddot{e}PSC-,$
 $C\acute{I}P\gg P\ddot{e}P\cdot PsPIPSPjC\acute{r} C\acute{I}P_{\mu}PeC\tilde{H}P_{\mu}C,C- P\pm C\tilde{H}PsPSC...C-PI, PjPsPeC\tilde{H}PsC,P\ddot{e}PSPSC-,$
 $P\ddot{I}C\tilde{H}PsC\acute{I}C,P^{\circ}C,C-, P^{\circ}P\ddot{I}P_{\mu}PSPPrP\ddot{e}PeC\acute{I}C- C,P^{\circ} P\P PsPIC\ddagger PSPSPjC\acute{r} PjC-C...C\acute{r}C\tilde{H}C- C,P^{\circ}PePsP\P$
 $PrPsC\acute{I}C\ddot{I}PiP^{\circ}C\tilde{H}C,CH\ddot{b}C\acute{I}C\ddot{I} C,P_{\mu}C\tilde{H}P^{\circ}P\ddot{I}P_{\mu}PIC,P\ddot{e}C\ddagger PSC- PePsPSC\ddagger P_{\mu}PSC,C\tilde{H}P^{\circ}C\ddagger C-C-$
 $C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r}.$

$Pj C\acute{I}P_{\mu}C\tilde{H}P_{\mu}PrPSC\ddot{b}PsPjC\acute{r} P\ddot{I}P_{\mu}C\tilde{H}C-PsPr PSP^{\circ}P\ddot{I}C-PIPIP\ddot{e}PIP_{\mu}PrP_{\mu}PSPSC\ddot{I} C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r}$
 $P\cdot PsC\tilde{H}PiP^{\circ}PSC-P\cdot PjC\acute{r} C\acute{I}C,P^{\circ}PSPSPiP\ddot{e}C,CH P\pm P\gg P\ddot{e}P\cdot CH\ddot{b}PePs 2 PiPsPrP\ddot{e}PS. Pj$
 $P\cdot PrPsC\tilde{H}PsPIP\ddot{e}C... PrPsP\pm C\tilde{H}PsPIPsP\gg CH\ddot{b}C\ddagger C-PI, C\ddot{I}PeC- PsPrP_{\mu}C\tilde{H}P\P C\acute{r}PIP^{\circ}P\gg P\ddot{e} PrPsP\cdot P\ddot{e}$
 $PrPs 2 Pi PIPSC\acute{r}C,C\tilde{H}C-C\epsilon PSCH\ddot{b}PsPIP_{\mu}PSPSPSP P\cdot C-PSC,P_{\mu}C\tilde{H}PIP^{\circ}P\gg PsPj 8 PiPsPrP\ddot{e}PS$
 $P\ddot{I}C\tilde{H}PsC,C\ddot{I}PiPsPj 9 PrPSC-PI, PSP_{\mu} C\acute{I}P\ddot{I}PsC\acute{I}C,P_{\mu}C\tilde{H}C-PiP^{\circ}P\gg P^{\circ}C\acute{I}C\ddot{I} PeC\acute{r}PjC\acute{r}P\gg C\ddot{I}C\ddagger C-C\ddot{I}$
 $P\ddot{I}C\tilde{H}P_{\mu}PiP^{\circ}C\tilde{H}P^{\circ}C,C\acute{r} PI PsC\tilde{H}PiP^{\circ}PSC-P\cdot PjC-.$

$P\ddot{I}P_{\mu}C,,P_{\mu}P\ddot{I}C-Pj PjP_{\mu}C,P^{\circ}P\pm PsP\gg C-P\cdot C\acute{r}C''C,CH\ddot{b}C\acute{I}C\ddot{I} PI N-PjP_{\mu}C,P\ddot{e}P\gg P\ddot{I}C-C\tilde{H}PsP\gg C-PrP\ddot{e}PS,$
 $C\ddot{I}PeP\ddot{e}PN_{\circ} C\epsilon PIP\ddot{e}PrPePs P\ddot{I}P_{\mu}C\tilde{H}P_{\mu}C,PIPsC\tilde{H}C\tilde{H}C''C,CH\ddot{b}C\acute{I}C\ddot{I} PI PsPeC\acute{I}P\ddot{e}Pr$

$N-PjP_{\mu}C,P\ddot{e}P\gg P\ddot{I}C-C\tilde{H}PsP\gg C-PrP\ddot{e}PSC\acute{r}. P\check{Y}P_{\mu}C\tilde{H}P_{\mu}PrPSC-PN_{\circ} P\cdot P^{\circ}PiP^{\circ}P\gg CH\ddot{b}PSP\ddot{e}PN_{\circ}$
 $PeP\gg C-C\tilde{H}P_{\mu}PSC\acute{I} C\acute{I}C,P^{\circ}PSPSPiP\ddot{e}C,CH 120 PjP\gg/C...PI. P\ddot{I}P_{\mu}C,,P_{\mu}P\ddot{I}C-Pj$
 $PIP\ddot{e}PrC-P\gg C\ddot{I}C''C,CH\ddot{b}C\acute{I}C\ddot{I} PjP^{\circ}PN_{\circ}P\P P_{\mu} PIP\ddot{e}PSC\ddot{I}C,PePsPIPs P\cdot P^{\circ} C\tilde{H}P^{\circ}C...C\acute{r}PSPSPe$
 $PSP\ddot{e}C\tilde{H}PePsPIP\ddot{e}C... PjP_{\mu}C...P^{\circ}PSC-P\cdot PjC-PI C\tilde{H}P_{\mu}PiC\acute{r}P\gg C\ddot{I}C\ddagger C-C- PiPsP\gg PsPIPSP\ddot{e}Pj$
 $C\ddagger P\ddot{e}PSPSPj C\epsilon P\gg C\ddot{I}C...PsPj PiP\gg PsPjP_{\mu}C\tilde{H}C\acute{r}P\gg C\ddot{I}C\tilde{H}PSPSC- C,,C-P\gg CH\ddot{b},C\tilde{H}P^{\circ}C\ddagger C-C-$
 $(C\acute{I}P_{\mu}C\tilde{H}P_{\mu}PrPSC-PN_{\circ} PSP\ddot{e}C\tilde{H}PePsPIP\ddot{e}PN_{\circ} PeP\gg C-C\tilde{H}P_{\mu}PSC\acute{I} \mathfrak{b}\tilde{H}'' 110 PjP\gg/C...PI). Pj C\acute{I}P_{\mu}C\ddagger C-$
 $P\ddot{I}C\tilde{H}PsC\ddot{I}PIP\gg C\ddot{I}C''C,CH\ddot{b}C\acute{I}C\ddot{I} P\ddot{I}C\tilde{H}P\ddot{e}P\pm P\gg P\ddot{e}P\cdot PSPs 85 \% PIPIP_{\mu}PrP_{\mu}PSPSC- PrPsP\cdot P\ddot{e} C\acute{r}$
 $PIP\ddot{e}PiP\gg C\ddot{I}PrC- PSP_{\mu}P\cdot PjC-PSP_{\mu}PSPSPiPs C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r}, 1 \% N-$
 $PjP_{\mu}C,P\ddot{e}P\gg P\ddot{I}C-C\tilde{H}PsP\gg C-PrP\ddot{e}PSC\acute{r}, P\pm P\gg P\ddot{e}P\cdot CH\ddot{b}PePs 6,8 \% PsPeC\acute{I}P\ddot{e}Pr$

$N-PjP_{\mu}C,P\ddot{e}P\gg P\ddot{I}C-C\tilde{H}PsP\gg C-PrP\ddot{e}PSC\acute{r} C,P^{\circ} P\pm P\gg P\ddot{e}P\cdot CH\ddot{b}PePs 2,5 \% P_{\mu}P\ddot{I}C-PjP_{\mu}C\tilde{H}C\acute{r}$
 $C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r}. P-PI\cdot C\ddot{I}P\cdot C\acute{r}PIP^{\circ}PSPSC\ddot{I} C\ddagger P_{\mu}C,,P_{\mu}P\ddot{I}C-PjC\acute{r} P\cdot P\pm C-P\gg PeP^{\circ}PjP\ddot{e} P\ddot{I}P\gg P^{\circ}P\cdot PjP\ddot{e}$
 $PeC\tilde{H}PsPIC- C\acute{I}C,P^{\circ}PSPSPiP\ddot{e}C,CH PjP_{\mu}PSC\epsilon P_{\mu} 19 \% C- PSP_{\mu} P\cdot P^{\circ}P\gg P_{\mu}P\P P\ddot{e}C,CH PIC-Pr$

PePsPSC†PμPSC, CḡP°C†C-C— PīCḡPμPīP°CḡP°C, Cṛ Pī CṛPēCḡPsPIP°C, C†C- PeCḡPsPIC-.

PJ C...PIPsCḡPēC... PIC-PePsPj PIC-Pr 65 CḡPsPeC-PI C-P· PSPsCḡPjP°P»CHbPSPsCḡ C,,CṛPSPeC†C-C”Cḡ PSPēCḡPsPe PSPμ PīPsC,CḡC-P±PSPμ PePsCḡPēPīCṛPIP°PSPSCḡ PrPsP·Pē PīCḡPμPīP°CḡP°C,Cṛ, PSPμP·PIP°P¶P°CḡC†Pē PSP° PjPμPSC€Cṛ PIPμP»PēC†PēPSCṛ PSPēCḡPePsPIPsPīPs PeP»C-CḡPμPSCṛCṛ PīPsCḡC-PIPSCḡPSPs P· PjPsP»PsPrPēPjPē C...PIPsCḡPēPjPē.

P”PsCṛP»C-PrP¶PμPSPSCḡ, PīCḡPsPIPμPrPμPSC- PSP° C...PIPsCḡPēC... C-P· CḡC-P·PSPēPj CṛC,CṛPīPμPSPμPj PSPēCḡPePsPIPsC— PSPμPrPsCṛC,P°C,PSPsCṛC,C-, PīCḡPsPrPμPjPsPSCṛC,CḡCṛPIP°P»Pē P·P±C-P»CHbC€PμPSPSCḡ PīPμCḡC-PsPrCṛ PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ P· PsCḡPīP°PSC-P·PjCṛ. PJ CṛPμCḡPμPrPSCḡPsPjCṛ PīPμCḡC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ Cṛ C...PIPsCḡPēC... C-P· C,CḡP¶PēPēPjPē PīPsCḡCṛC€PμPSPSCḡPjPē C,,CṛPSPeC†C-C— PSPēCḡPsPe, CḡPeC- PīPsC,CḡPμP±CṛCḡC,CHb P»C-PeCṛPIP°PSPSCḡ C€P»CḡC...PsPj PrC-P°P»C-P·Cṛ, CṛC,P°PSPsPIPēC,CHb

13 PīPsPrPēPS PīCḡPē PīPμPjPsPrC-P°P»C-P·C- C- 19 PīPsPrPēPS - PīCḡPē PīPμCḡPēC,PsPSPμP°P»CHbPSPsPjCṛ PrC-P°P»C-P·C-.

PαP°CḡPjP°PePsPeC-PSPμC,PēPeP° C†PμC,,PμPīC-PjCṛ Cṛ C...PIPsCḡPēC... C-P· PīPsCḡCṛC€PμPSPSCḡPjPē C,,CṛPSPeC†C-C— PīPμC†C-PSPePē P°P±Ps PjCṛPePsPIC-CṛC†PēPrPsP·PsPj PSPμ P·PjC-PSPμPSP°. PḡPsCḡPēPīCṛPIP°PSPSCḡ PrPsP·Pē PrP»CḡC,P°PePēC... C...PIPsCḡPēC... PSPμ PīPsC,CḡC-P±PSPμ.

P”PsP·P° PīCḡPμPīP°CḡP°C,Cṛ - 50 PjPi/PePi PjP°CṛPē C,C-P»P° PīCḡPē PIPSCṛC,CḡC-C€PSCḡPsPIPμPSPSPsPjCṛ PIPμPrPμPSPSC- PīCḡPsC,CḡPīPsPj PIC-Pr 5 PrPs 20 C...PIPēP»PēPS PePsP¶PSC- 8 PīPsPrPēPS.

PḡP»C-PSC-C†PSC- C...P°CḡP°PeC,PμCḡPēCṛC,PēPePē.

PμPsPeP°P·P°PSPSCḡ.

P”PsCḡPsCṛP»PēPj.

P†PSC,,PμPeC†C-C—, CṛPīCḡPēC†PēPSPμPSC- C†CṛC,P»PēPIPsCḡ PrPs PīCḡPμPīP°CḡP°C,Cṛ PjC-PeCḡPsC,,P»PsCḡPsCḡ:

бḡ“ PrPēC...P°P»CHbPSPēC... C€P»CḡC...C-PI, Cṛ C,PsPjCṛ C†PēCṛP»C- PīPSPμPIPjPsPSC-Cḡ, P±CḡPsPSC...C-C,;

бḡ“ C€PeC-CḡPē C,P° PīC-PrC€PeC-CḡPSPsC— PeP»C-C,PePsPIPēPSPē;

бḡ“ C-PSC,CḡP°P°P±PrPsPjC-PSP°P»CHbPSC- C-PSC,,PμPeC†C-C—, Cṛ C,PsPjCṛ C†PēCṛP»C- PīPμCḡPēC,PsPSC-C, C,P° C-PSC,,PμPeC†C-C— P¶PsPIC†PsPIPēPIC-PrPSPēC... C€P»CḡC...C-PI;

бḡ“ PīC-PSPμPePsP»PsPīC-C†PSC-;

бḡ“ CṛPμPīC,PēC†PμPjC-Cḡ.

P·PjPīC-CḡPēC†PSP° C,PμCḡP°PīC-Cḡ C...PIPsCḡPēC... C-P· PSPμPḡC,CḡPsPīPμPSC-C†PSPsCḡ PīP°CḡCḡC†PePsCḡ.

6Р_Н PSP[°]C, C₇H₅C-C₇H₅ P»P[°]PeC, P[°]C, Cr PrP»C₇H₅ C-PS'C"PeC†C-PN₂, C₇H₅PsP·C†PëPS 5 %
PiP»C₇H₅PePsP·Pë C- 0,9 % PSP[°]C, C₇H₅C-C₇H₅ C...P»PsC₇H₅PëPrCr PrP»C₇H₅ C-PS'C"PeC†C-PN₂;
C₇H₅PsP·C†PëPS P C-PSPi_μC₇H₅P[°] P· P»P[°]PeC, P[°]C, PsPj C- 5 % C₇H₅PsP·C†PëPSPsPj PiP»C₇H₅PePsP·Pë
PrP»C₇H₅ C-PS'C"PeC†C-PN₂.

P©PsP± CíPSPëPePSCíC,Pë PjPsP¶P»PëPIPsC— P»C-PeP°C¶CíC¶C¶PePsC— PIP·P°C”PjPsPrC-C—
P· C-PSC€PëPjPë PíC¶PµPíP°C¶P°C,P°PjPë, C¶PsP·C¶PëPSPë C†PµC,,PµPíC-PjCí (C¶Pe C-
P±C-P»C¶C€PsCíC,C- C-PSC€PëC... β-P»P°PeC,P°PjPSPëC... P°PSC,PëP±C-PsC,PëPeC-PI) PSPµ
PIPIPsPrPëC,Pë PsPrPSPsC†P°CíPSPs P· C¶PsP·C¶PëPSP°PjPë PjPµC,C¶PsPSC-PrP°P·PsP»Cí,
PIP°PSPëPsPjC-C†PëPSCí, PiPµPSC,P°PjC-C†PëPSCí, C,PsP±C¶P°PjC-C†PëPSCí
CíCíP»C¶C,,P°C,Cí C- PSPµC,PëP»PjC-C†PëPSCí CíCíP»C¶C,,P°C,Cí. Pj C¶P°P·C-
PíC¶PëP·PSP°C†PµPSPSC¶ C†PµC,,PµPíC-PjCí C-P· P·P°P·PSP°C†PµPSPëPjPë
PíC¶PµPíP°C¶P°C,P°PjPë PIPIPsPrPëC,Pë PePsP¶PµPS P°PSC,PëP±C-PsC,PëPe PsPeC¶PµPjPs.

PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíC¿PIP°PSPSC¶.

Pj PíP°C†C-C”PSC,C-PI C-P· PIPëCíPsPePëPj C¶PëP·PëPePsPj C¶PsP·PIPëC,PeCí C,C¶P¶PePëC...
C-PSC,,PµPeC†C-PNë (PSP°PíC¶PëPeP»P°Pr, Cí PíP°C†C-C”PSC,C-PI, C¶PeC- PjP°P»Pë PI
P°PSP°PjPSPµP·C- C,C¶P°PSCíPíP»P°PSC,P°C†C-C¶ PeC-CíC,PePsPIPsPiPs PjPsP·PeCí PíC¶Pë
P·PSPëP¶PµPSC-PNë PNëPsPiPs P°PeC,PëPIPsCíC,C-, C°%Ps PIC-PrP±CíPIP°C”C,C¶CíC¶PSP°
C,P»C- P·P»PsC¶PeC-CíPSPsC— PiPµPjPsP»C-C,PëC†PSPsC— PíP°C,PsP»PsPiC-C— P·
C,C¶P¶PePsC¶ PíC¶PsPiC¶PµCíCíC¶C¶PsC¶ PSPµPNëC,C¶PsPiPµPSC-C”C¶)
PjPsPSPsC,PµC¶P°PíC-C¶ PjPsP¶Pµ P±CíC,Pë PSPµPrPsCíC,P°C,PSCHPsC¶, C,PsPjCí
PíPsPeP°P·P°PSP° PePsPjPíP»PµPeCíPSP° P°PSC,PëPjC-PeC¶PsP±PSP° C,PµC¶P°PíC-C¶.

PkPµPsP±C...C-PrPSPs C,PsC†PSPs PIPëP·PSP°C†PëC,Pë, C†Pë PIC-PrP·PSP°C†P°P»PëCíC¶
C¶P°PSC-C€Pµ Cí C...PIPsC¶PsPiPs C¶PµP°PeC†C-C— PíC-PrPIPëC°%PµPSPsC—
C†CíC,P»PëPIPsCíC,C- PSPµPiP°PNëPSPsPiPs C,PëPíCí PSP° C†PµC,,PµPíC-Pj,
C†PµC,,P°P»PsCíPíPsC¶PëPSPë, PíPµPSC-C†PëP»C-PSPë P°P±Ps C-PSC€C- β-P»P°PeC,P°PjPSC-
P°PSC,PëP±C-PsC,PëPePë. PhPSC,PëP±C-PsC,PëPePë P· PsP±PµC¶PµP¶PSC-CíC,C¶
PíC¶PëP·PSP°C†P°C,Pë PICíC-Pj C...PIPsC¶PëPj C-P· P±CíPrC¶C-C¶PePëPjPë C,,PsC¶PjP°PjPë
P°P»PµC¶PiC-C—, PsCíPsP±P»PëPIPs PSP° P»C-PeP°C¶CíC¶C¶PeC- PíC¶PµPíP°C¶P°C,Pë.
PµC¶Pë PíPsC¶PIC- P°P»PµC¶PiC-C†PSPsC— C¶PµP°PeC†C-C— P·P°CíC,PsCíCíPIP°PSPSC¶
PíC¶PµPíP°C¶P°C,Cí CíP»C-Pr PíC¶PëPíPëPSPëC,Pë. P¶PµC¶PNëPsP·PSC- C¶PµP°PeC†C-C—
PíC-PrPIPëC°%PµPSPsC— C†CíC,P»PëPIPsCíC,C- PSPµPiP°PNëPSPsPiPs C,PëPíCí PjPsP¶CíC,C¶
PIPëPjP°PíP°C,Pë P·P°CíC,PsCíCíPIP°PSPSC¶ P°PrC¶PµPSP°P»C-PSCí C,P° C-PSC€PëC...
C,,PsC¶Pj C-PSC,PµPSCíPëPIPsC— C,PµC¶P°PíC-C—.

PµC¶Pë P·P°CíC,PsCíCíPIP°PSPSC- PjP°PNëP¶Pµ PICíC-C... P°PSC,PëP±C-PsC,PëPeC-PI
C€PëC¶PsPePsPiPs CíPíPµPeC,C¶P° PrC-C— PíPsPIC-PrPsPjP»C¶P»Pë PíC¶Ps PIPëPíP°PrPePë
PíCíPµPIPrPsPjPµPjP±C¶P°PSPsP·PSPsPiPs PePsP»C-C,Cí. P¶PsPjCí PIP°P¶P»PëPIPs
PIC¶P°C...PsPICíPIP°C,Pë PjPsP¶P»PëPIC-CíC,C¶ C¶PsP·PIPëC,PeCí C†C-C”C—
PíP°C,PsP»PsPiC-C— Cí PIPëPíP°PrPeCí PIPëPSPëPePSPµPSPSC¶ PrC-P°C¶PµC— PíC-Pr C†P°Cí
P»C-PeCíPIP°PSPSC¶ PíC¶PµPíP°C¶P°C,PsPj. P>PµPiPeC- C,,PsC¶PjPë PePsP»C-C,Cí
PjPsP¶CíC,C¶ PjPëPSP°C,Pë PíC-CíP»C¶ PíC¶PëPNëPsPjCí PíC¶PµPíP°C¶P°C,Cí;
PíPsPjC-C¶PSC- P°P±Ps C,C¶P¶PeC- CíC,P°PSPë PjPsP¶CíC,C¶ PíPsC,C¶PµP±CíPIP°C,Pë
CíPíPµC†C-P°P»C¶PSPsPiPs P»C-PeCíPIP°PSPSC¶.

P’PëPSPëPePSPµPSPSC¶ PrC-P°C¶PµC— PjPsP¶Pµ CíPIC-PrC†PëC,Pë PíC¶Ps
PSP°C¶PIPsC-CíC,C¶ PíCíPµPIPrPsPjPµPjP±C¶P°PSPsP·PSPsPiPs PePsP»C-C,Cí,
PrC-P°PiPSPsCíC,PëPeP° C¶PePsPiPs T’C¶CíPSC,CíC”C,C¶CíC¶PSP° PrP°PSPëC...
PePsP»PsPSPsCíPePsPiC-C—. P|Pµ C¶PIPëC°%Pµ PíPsC,C¶PµP±CíC” PSPµPiP°PNëPSPsPiPs
PíC¶PëPíPëPSPµPSPSC¶ P»C-PeCíPIP°PSPSC¶ C- PíPsC†P°C,PeCí PIC-PrPíPsPIC-PrPSPsC—
CíPíPµC†PëC,,C-C†PSPsC— C,PµC¶P°PíC-C—.

PhCfPeC-P»CHPePe C,,CfPSPeCtC-Cf PSpëCtjPsPe P· PIC-PePsPj P·PSPëP¶CfC”C,CHCfCf, PrPsP·Cf PiP°CtC-C”PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCf PSPµPsP±C...C-PrPSPs PiC-PrP±PëCtjP°C,Pë P·P°P»PµP¶PSPs PIC-Pr CfC,P°PSCf C,,CfPSPeCtC-C— PSpëCtjPsPe Cf PePsP¶PSPsPiPs PePsPSPeCtjPµC,PSPsPiPs C...PIPsCtjPsPiPs.

PµP°CtC-C”PSC,P°Pj C-P· PSpCtjPjP°P»CHPSPsCt C,,CfPSPeCtC-C”Ct PSpëCtjPsPe PePsCtjPëPiCfPIP°PSPSCf PrPsP·CfPIP°PSPSCf PSPµ PiPsC,CtjC-P±PSPµ. P”PsCtC-P»CHPSPs CfP»C-PrPeCfPIP°C,Pë P·P° C,,CfPSPeCtC-C”Ct PSpëCtjPsPe PiCtjPë PsPrPSPsCfP°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- CtPµC,,PµPiC-PjCf P· PiPsC,PµPSCtC-PNëPSPs PSPµC,,CtjPsC,PsPeCfPëCfPSPëPjPë P°PSC,PëP±C-PsC,PëPeP°PjPë (PsCfPsP±P»PëPIPs P°PjC-PSPsPiP»C-PePsP·PëPrP°PjPë) C,P° CfPëP»CHPSPëPjPë PrC-CfCtjPµC,PëPeP°PjPë.

PiPµC,,P°P»PsCfPiPsCtjPëPSPë CfC...PëP»CHPSC- P°P±CfPsCtjP±CfPIP°C,PëCfCf PSp° PiPsPiPµCtjC...PSC- PµCtjPëC,CtjPsCtPëC,C-PI C- PICfC,CfPiP°C,Pë PI CtjPµP°PeCtC-Ct P· P°PSC,PëC,C-P»P°PjPë, CfPiCtjCfPjPsPIP°PSPëPjPë PiCtjPsC,Pë PiCtjPµPiP°CtjP°C,C-PI, CtjPµP·CfP»CHC,P°C,PsPj CfPsPiPs C” PiPsP·PëC,PëPIPSPëPNë C,PµCfC, PµCfPjP±CfP°. Pj PiP°CtC-C”PSC,C-PI, CfPeC- PiCtjPëPNëPjP°P»Pë CtPµC,,PµPiC-Pj 2 CtjP°P·Pë PSP° PrPsP±Cf, PsPiPëCfP°PSPs PiPsP·PëC,PëPIPSPëPNë C,PµCfC, PµCfPjP±CfP° PiCtjPë PIC-PrCfCfC,PSPsCfC,C- PsP·PSP°Pe PiPµPjPsP»C-P·Cf.

PµCtjPë PiCtjPsPiPµPrPµPSPSC- P°PSP°P»C-P·Cf CfPµCfC- PSP° PiP»CHPePsP·CfCtjC-Ct PjPsP¶P»PëPIPëPNë C...PëP±PSPsPiPsP·PëC,PëPIPSPëPNë CtjPµP·CfP»CHC,P°C,, C,PsPjCf PIPëP·PSP°CfPµPSPSCf PiP»CHPePsP·Pë Cf CfPµCfC- PI PiPµCtjC-PsPr P»C-PeCfPIP°PSPSCf CtPµC,,PµPiC-PjPsPj CfP»C-Pr PiCtjPsPiPsPrPëC,Pë PiP»CHPePsP·PsPsPeCfPëPrP°P·PSPëPjPë PjPµC,PsPrP°PjPë.

PiPe C- Cf PIPëPiP°PrPeCf P· C-PSCëPëPjPë P°PSC,PëP±C-PsC,PëPeP°PjPë, P·P°CfC,PsCfCfPIP°PSPSCf CtPµC,,PµPiC-PjCf PjPsP¶Pµ PiCtjPëP·PIPsPrPëC,Pë PrPs PePsP»PsPSC-P·P°CtC-C— PSPµCfCfC,P»PëPIPsCt PjC-PeCtjPsC,,P»PsCtjPsCt. PµCtjPë CtjPsP·PIPëC,PeCf CfCfPiPµCtjC-PSC,,PµPeCtC-PNë PiC-Pr CfP°Cf P»C-PeCfPIP°PSPSCf PSPµPsP±C...C-PrPSPs PIP¶PëC,Pë PIC-PrPiPsPIC-PrPSPëC... P·P°C...PsPrC-PI.

P—P°CfC,PsCfCfPIP°PSPSCf Cç PiPµCtjC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCçPIP°PSPSCf PiCtjCçPrCt.

PhPrPµPePIP°C,PSPëC... C- PrPsP±CtjPµ PePsPSC,CtjPsP»CHPsPIP°PSPëC... PrPsCfP»C-PrP¶PµPSCt Cf PIP°PiC-C,PSPëC... P¶C-PSPsPe PSPµ PiCtjPsPiPsPrPëP»PsCfCf, C,PsPjCf CtPµC,,PµPiC-Pj Cf PiPµCtjC-PsPr PIP°PiC-C,PSPsCfC,C- PjPsP¶PSP° PiCtjPëP·PSP°CfP°C,Pë C,C-P»CHPePe C,PsPrC-, PePsP»Pë PsCfC-PeCfPIP°PSP° PePsCtjPëCfC,CH PrP»Cf PjP°C,PµCtjC- PiPµCtjPµPIPëC%oCfC” PiPsC,PµPSCtC-PNëPSPëPNë CtjPëP·PëPe PrP»Cf PiP»PsPrP°.

PiPµC,,PµPiC-Pj PiCtjPsPSPëPeP°C” Cf PiCtjCfPrPSPµ PjPsP»PsPePs Cf PrCfP¶Pµ PSPµPIPµP»PëPeC-PNë PeC-P»CHPePsCfC,C-, C,PsPjCf PSP° PiPµCtjC-PsPr P»C-PeCfPIP°PSPSCf

PiCtjPµPiP°CtjP°C,PsPj PiPsPrCfPIP°PSPSCf PiCtjCfPrPrCt CfP»C-Pr PiCtjPëPiPëPSPëC,Pë.

P—PrP°C,PSC-CfC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CfC,CH CtjPµP°PeCtC-C— PiCtjPë

$PeP_{\mu}C_{\eta}C_{\acute{a}}PIP^{\circ}PSPSC- P^{\circ}PIC,PsC,C_{\eta}P^{\circ}PSC\acute{I}P\ddot{I}PsC_{\eta}C,PsPj P^{\circ}P\pm Ps C-PSC\epsilon P\ddot{e}PjP\ddot{e}$
 $PjP_{\mu}C...P^{\circ}PSC-P.PjP^{\circ}PjP\ddot{e}.$

$P\acute{k}P_{\mu} PIP\ddot{e}PIC\ddot{+}P^{\circ}P\gg P^{\circ}C\acute{I}C_{\eta}.$

$P\ddot{Y}P\ddot{I}PsC\acute{I}C-P\pm P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C_{\acute{a}}PIP^{\circ}PSPSC_{\eta} C,P^{\circ} PrPsP\cdot P\ddot{e}.$

$P_{\eta}P_{\mu}C_{\eta}P_{\mu}Pr P\cdot P^{\circ}C\acute{I}C,PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC_{\eta}Pj P\ddot{I}C_{\eta}P_{\mu}P\ddot{I}P^{\circ}C_{\eta}P^{\circ}C,C\acute{r} C\acute{I}P\gg C-Pr P\cdot C_{\eta}PsP\pm P\ddot{e}C,P\ddot{e}$
 $C\epsilon PeC-C_{\eta}PSC\acute{r} P\ddot{I}C_{\eta}PsP\pm C\acute{r} PSP^{\circ} P\ddot{I}P_{\mu}C_{\eta}P_{\mu}PSPsC\acute{I}P\ddot{e}PjC-C\acute{I}C,CH.$

$P-PIP\ddot{e}C\ddot{+}P^{\circ}PN\ddot{e}PSP_{\mu} PrPsP\cdot C\acute{r}PIP^{\circ}PSPSC_{\eta} PrP\gg C_{\eta} PrPsC_{\eta}PsC\acute{I}P\gg P\ddot{e}C... C\acute{I}C,P^{\circ}PSPsPIP\ddot{e}C,CH 1$
 $Pi, C_{\eta}PeP_{\mu} C\acute{I}P\gg C-Pr PIPsPrP\ddot{e}C,P\ddot{e} PIPSC\acute{r}C,C_{\eta}C-C\epsilon PSCHPsPIP_{\mu}PSPSPs P^{\circ}P\pm Ps$
 $PIPSC\acute{r}C,C_{\eta}C-C\epsilon PSCHPsPj\mathfrak{b}_{\eta}^{\text{TM}} C_{\eta}P\cdot PsPIPs P\cdot C-PSC,P_{\mu}C_{\eta}PIP^{\circ}P\gg PsPj C\acute{r} 12 PiPsPrP\ddot{e}PS.$
 $P-PIP\ddot{e}C\ddot{+}P^{\circ}PN\ddot{e}PSP^{\circ} C,C_{\eta}P\ddot{e}PIP^{\circ}P\gg C-C\acute{I}C,CH P\gg C-PeC\acute{r}PIP^{\circ}PSPSC_{\eta} \mathfrak{b}_{\eta}^{\text{TM}} 7-10 PrPSC-PI;$
 $C,C_{\eta}P\mathfrak{I}PeC- C-PSC,,P_{\mu}PeC\ddot{+}C-C- PjPsP\mathfrak{I}C\acute{r}C,CH P\ddot{I}PsC,C_{\eta}P_{\mu}P\pm C\acute{r}PIP^{\circ}C,P\ddot{e} P\pm C-P\gg CHC\epsilon$
 $C,C_{\eta}P\ddot{e}PIP^{\circ}P\gg PsPiPs P\gg C-PeC\acute{r}PIP^{\circ}PSPSC_{\eta}.$

$P_{\eta}PrPSP^{\circ}Pe PrPsP\cdot C\acute{r}PIP^{\circ}PSPSC_{\eta} C- C\epsilon P\gg C_{\eta}C... PIP_{\mu}PrP_{\mu}PSPSC_{\eta} PIP^{\circ}C_{\eta}C-CHCHC,CH$
 $P\cdot P^{\circ}P\gg P_{\mu}P\mathfrak{I}PSPs PIC-Pr C\ddot{+}C\acute{r}C,P\gg P\ddot{e}PIPsC\acute{I}C,C- PjC-PeC_{\eta}PsPsC_{\eta}P\ddot{I}P^{\circ}PSC-P\cdot PjC-PI-$
 $P\cdot P\pm C\acute{r}PrPSP\ddot{e}PeC-PI, C\acute{I}C,C\acute{r}P\ddot{I}P_{\mu}PSC_{\eta} C,C_{\eta}P\mathfrak{I}PePsC\acute{I}C,C- C-PSC,,P_{\mu}PeC\ddot{+}C-C-, P^{\circ} C,P^{\circ}PePsP\mathfrak{I}$
 $C,,C\acute{r}PSPeC\ddot{+}C-PsPSP^{\circ}P\gg CHPsPsPiPs C\acute{I}C,P^{\circ}PSC\acute{r} PSP\ddot{e}C_{\eta}PsPe C...PIPsC_{\eta}PsPiPs.$

$P P_{\mu}PePsPjP_{\mu}PSPPrP^{\circ}C\ddot{+}C-C- C\%PsPrPs PrPsP\cdot C\acute{r}PIP^{\circ}PSPSC_{\eta} P\ddot{I}C_{\eta}P_{\mu}P\ddot{I}P^{\circ}C_{\eta}P^{\circ}C,C\acute{r} PrP\gg C_{\eta}$
 $PrPsC_{\eta}PsC\acute{I}P\gg P\ddot{e}C... PSP^{\circ}PIP_{\mu}PrP_{\mu}PSC- C\acute{r} C,P^{\circ}P\pm P\gg P\ddot{e}C\ddot{+}C- 1$

$P\ddot{Y}P^{\circ}P\pm P\gg P\ddot{e}C\ddot{+}C_{\eta} 1$

$P\ddot{+}PSC,,P_{\mu}PeC\ddot{+}C-C- C\acute{I}P_{\mu}C\ddot{+}PsPIP\ddot{e}PIC-PrPSP\ddot{e}C...$ $C\epsilon P\gg C_{\eta}C...C-PI P\gg P_{\mu}PiPePsC- C,P^{\circ}$ $C\acute{I}P_{\mu}C_{\eta}P_{\mu}PrPSC\mathfrak{b}PsC- C,C_{\eta}P\mathfrak{I}PePsC\acute{I}C,C-$	500 PjPi-1 Pi PIPSC [†] C,C _η C-CεPSCHPsPIP _μ PSPSPs P°P±Ps PIPSC [†] C,C _η C-CεPSCHPsPj _η TM C _η P·PsPIPs	PePsP $\mathfrak{I}$ PSC- 12 PiPsPrP $\ddot{e}$ PS
$P\ddot{+}PSC\epsilon C- C-PSC,,P_{\mu}PeC\ddot{+}C-C- P\gg P_{\mu}PiPePsC- C,P^{\circ}$ $C\acute{I}P_{\mu}C_{\eta}P_{\mu}PrPSC\mathfrak{b}PsC- C,C_{\eta}P\mathfrak{I}PePsC\acute{I}C,C-$	1 Pi PIPSC [†] C,C _η C-CεPSCHPsPIP _μ PSPSPs P°P±Ps PIPSC [†] C,C _η C-CεPSCHPsPj _η TM C _η P·PsPIPs	PePsP $\mathfrak{I}$ PSC- 12 PiPsPrP $\ddot{e}$ PS
$P\ddot{Y}C_{\eta}P\mathfrak{I}PeC- C-PSC,,P_{\mu}PeC\ddot{+}C-C-$	2 Pi PIPSC [†] C,C _η C-CεPSCHPsPIP _μ PSPSPs	PePsP $\mathfrak{I}$ PSC- 12 PiPsPrP $\ddot{e}$ PS
$P^{\circ}C\acute{r}P\mathfrak{I}P_{\mu} C,C_{\eta}P\mathfrak{I}PeC- C,P^{\circ} P\cdot P^{\circ}P\ddot{I}C_{\eta}PsP\cdot P\gg P\ddot{e}PIC-$ $PrP\gg C_{\eta} P\mathfrak{I}P\ddot{e}C,C,C_{\eta} C-PSC,,P_{\mu}PeC\ddot{+}C-C-$	2 Pi PIPSC [†] C,C _η C-CεPSCHPsPIP _μ PSPSPs	PePsP $\mathfrak{I}$ PSC- 8 PiPsPrP $\ddot{e}$ PS

$P^{\circ}P\gg C_{\eta} P\ddot{I}C_{\eta}PsC,,C-P\gg P^{\circ}PeC,P\ddot{e}PeP\ddot{e} C_{\eta}PsP\cdot PIP\ddot{e}C,PeC\acute{a} C-PSC,,P_{\mu}PeC\ddot{+}C-PN\ddot{e} P\ddot{I}C_{\eta}P\ddot{e}$
 $P\ddot{I}C_{\eta}PsPIP_{\mu}PrP_{\mu}PSPSC- C...C-C_{\eta}C\acute{a}C_{\eta}PiC-C\ddot{+}PSP\ddot{e}C... PIC,C_{\eta}C\acute{a}C\ddot{+}P^{\circ}PSC\mathfrak{b}. P-P^{\circ} 60$
 $C...PIP\ddot{e}P\gg P\ddot{e}PS PrPs P\ddot{I}PsC\ddot{+}P^{\circ}C,PeC\acute{r} C...C-C_{\eta}C\acute{r}C_{\eta}PiC-C\ddot{+}PSPsC- PsP\ddot{I}P_{\mu}C_{\eta}P^{\circ}C\ddot{+}C-C-$
 $PrPsC_{\eta}PsC\acute{I}P\gg P\ddot{e}Pj PIPsPrP\ddot{e}C,P\ddot{e} 2 Pi P\ddot{I}C_{\eta}P_{\mu}P\ddot{I}P^{\circ}C_{\eta}P^{\circ}C,C\acute{r}$
 $PIPSC\acute{r}C,C_{\eta}C-C\epsilon PSCHPsPIP_{\mu}PSPSPs P\ddot{I}C_{\eta}PsC,C_{\eta}PiPsPj$

30 C...PIP $\ddot{e}$ P $\gg$ P $\ddot{e}$ PS. $P_{\eta}C-C\acute{I}P\gg C_{\eta} P\cdot P^{\circ}PeC-PSC\ddot{+}P_{\mu}PSPSC_{\eta} PIPsPrP\ddot{e}C,P\ddot{e} PrPsPrP^{\circ}C,PePsPIPs$

$\text{P}\mu\text{C}-\text{Pr}\text{C}\ddot{\text{P}}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{H}}\text{P}\ddot{\text{e}}\text{P}\text{IP}^{\circ}\text{P}\gg\text{P}\ddot{\text{e}}\text{C}\dots (\text{P}\ddot{\text{I}}\text{P}\text{sPSP}^{\circ}\text{Pr}\text{12PiPsPrP}\ddot{\text{e}}\text{PS})\text{C}\dots\text{C}-\text{C}\dot{\text{H}}\text{C}\dot{\text{r}}\text{C}\dot{\text{H}}\text{P}\text{IC}-\text{C}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{C}\dots$
 $\text{PsPiP}\mu\text{C}\dot{\text{H}}\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}-\text{P}\text{N}\ddot{\text{e}}\text{C}\ddot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{P}\mu\text{P}\cdot\text{12PiPsPrP}\ddot{\text{e}}\text{PS}\text{P}\ddot{\text{I}}\text{C}-\text{C}\dot{\text{I}}\text{P}\gg\text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{P}\mu\text{C}\dot{\text{H}}\text{C}\ddot{\text{e}}\text{PsC}-\text{PrPsP}\cdot\text{P}\ddot{\text{e}}$
 $\text{C}\dot{\text{H}}\text{P}\mu\text{PePsPjP}\mu\text{PSP}\text{rC}\dot{\text{r}}\text{C}^{\circ}\text{C}, \text{C}\dot{\text{H}}\text{C}\dot{\text{I}}\text{C}\dot{\text{I}}\text{P}\ddot{\text{I}}\text{PsPIC}, \text{PsC}\dot{\text{H}}\text{PSP}\mu\text{PIPIP}\mu\text{PrP}\mu\text{PSPSC}\dot{\text{I}}\text{C}\dot{\text{H}}\text{C}-\text{PIPSP}\text{Sc}-$
 $\text{PrPsP}\cdot\text{P}\ddot{\text{e}}\text{P}\ddot{\text{I}}\text{C}\dot{\text{H}}\text{P}\mu\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\dot{\text{H}}\text{P}^{\circ}\text{C}, \text{C}\dot{\text{r}}\text{P}\cdot\text{PSP}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{C}\dot{\text{r}}\text{P}\ddot{\text{I}}\text{PSP}\ddot{\text{e}}\text{PjPIPIP}\mu\text{PrP}\mu\text{PSPSC}\dot{\text{I}}\text{Pj}$
 $\text{PjP}\mu\text{C}, \text{C}\dot{\text{H}}\text{PsPSC}-\text{PrP}^{\circ}\text{P}\cdot\text{PsP}\gg\text{C}\dot{\text{r}}.$

30 PjP»/C...PI) PrPsP·Cr' PïCH₇PμPïP°CH₇P°C,Cr' PSPμPsP±C...C-PrPSPs
PIC-PrPePsCH₇PëPiCr'PIP°C,Pë.

РљР»С-СЋРµPSCf РёСЋРµP°С,РёPSC-PSCf (PjP»/C...PI)	РµРёPёPjPµPSPRPsPIP°PSC- PrPsP·Pё			
> 50	Р—PIPёC†P°PN₂PSPµ PrPsP·CfPIP°PSPSCf P°PrPµPёPIP°С, PSPµ C, CfP¶PёPsCfC, C- C-PSC,, PµPёC†C-C— (PrPёPI. C, P°P±P»PёC†Cf 1), PёPsCЋPёPiCfPIP°PSPSCf PrPsP·Pё PSPµ PiPsC, CЋC-P±PSPs			
	2 Pi PёPsP¶PSC- 8 PiPsPrPёPS	2 Pi PёPsP¶PSC- 12 PiPsPrPёPS	1 Pi PёPsP¶PSC- 12 PiPsPrPёPS	500 PjPi PёPsP¶PSC- 12 PiPsPrPёPS
30-50	РљPsCЋPёPiCfPIP°PSPSCf PrPsP·Pё PIC-PrPiPsPIC-PrPSPs PrPs PёP»C-CЋPµPSCfCf PёCЋPµP°С, PёPSC-PSCf			
	2 Pi PёPsP¶PSC- 12 PiPsPrPёPS	2 Pi PёPsP¶PSC- 24 PiPsPrPёPSPё	1 Pi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё
11-29	2 Pi PёPsP¶PSC- 24 PiPsPrPёPSPё	1 Pi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё
≤ 10	1 Pi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	250 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	250 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё
P°PµPjPsPrC-P°P»C-P·	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё	500 PjPi PёPsP¶PSC- 24 PiPsPrPёPSPё

PiPeC%Ps PIC-PrPsPjP° C,C-P»CHPePe PePsPSC†PuPSC,CḡP°C†C-Cḡ PeCḡPuP°C,PēPSC-PSCr
PI CḡPēCḡPsPIP°C,C†C- PeCḡPsPIC-, C,Ps PeP»C-CḡPuPSCr PeCḡPuP°C,PēPSC-PSCr PjPsPḡPSP°

PIPëP·PSP°C±P°C, Pë P·P° PSP°PIPµPrPµPSPsCñ PSPëP¶C±Pµ C,,PsCñPjCfP»PsCñ:

P§PsP»PsPIC-PePë:

PeP»C-CñPµPSCf PeCñPµP°C,PëPSC-PSCf (PjP»/C...PI) = ;

P-C-PSPePë:

PeP»C-CñPµPSCf PeCñPµP°C,PëPSC-PSCf (PjP»/C...PI) = PIPëC%oPµPSP°PIPµPrPµPSPµ
P·PSP°C±PµPSPSC¶ × 0,85.

PµCñPë PiPµPjPsPrC-P°P»C-P·C- P·P° 3 PiPsPrPëPSPë PIPëPrC-P»C¶C”C,CHCfC¶ P·
PsCñPiP°PSC-P·PjCf PiCñPëP±P»PëP·PSPs 68 % PIC-Pr PrPsP·Pë PiCñPµPiP°CñP°C,Cf.
PµC-CfP»C¶ P·P°PIPµCñC¶PµPSPSC¶ PePsP¶PSPsPiPs CfPµP°PSCfCf PrC-P°P»C-P·Cf
PSPµPsP±C...C-PrPSPs PIPiPsPrPëC,Pë PiPsPIC,PsCñPSCf PrPsP·Cf, C%oPs PrPsCñC-PIPSCñC”
PiPsC±P°C,PePsPIC-PNë PrPsP·C-. PµCñPë P±PµP·PiPµCñPµCñPIPSPsPjCf
P°PjP±CfP»P°C,PsCñPSPsPjCf PiPµCñPëC,PsPSPµP°P»CHPSPsPjCf PrC-P°P»C-P·C-
PiCñPµPiP°CñP°C, PjPsP¶PSP° P·P°CfC,PsCfPsPICfPIP°C,Pë Cf PiPsC±P°C,PePsPIPëC...
PSPsCñPjP°P»CHPSPëC... CñPµPePsPjPµPSPPrPsPIP°PSPëC... PrPsP·P°C... 500 PjPi, 1 P°P±Ps 2 Pi
P·P°P»PµP¶PSPs PIC-Pr C,C¶P¶PePsCfC,C- C-PSC,,PµPeC†C-C— P· C-PSC,PµCñPIP°P»PsPj
PjC-P¶ PrPsP·P°PjPë 48 PiPsPrPëPS.

P”C-C,C¶Pj PIC-PePsPj 1-2 PjC-CfC¶C†C- PiCñPµPiP°CñP°C, PiCñPëP·PSP°C±P°C,Pë
C,C-P»CHPePë P·P° P¶PëC,C,C”PIPëPjPë PiPsPeP°P·P°PSPSC¶PjPë. PŸC,P°PS PrC-C,PµPNë C-P·
PjP°CfPsCñ C,C-P»P° PrPs 40 PePi, C¶PeC- PsC,CñPëPjCfCñC,CH P»C-PeCfPIP°PSPSC¶
C†PµC,,PµPiC-PjPsPj, CfP»C-Pr PiPsCfC,C-PNëPSPs PePsPSC,CñPsP»CñPIP°C,Pë.

P”C-C,C¶Pj C-P· PiPsCñCfC¶PµPSPSC¶PjPë C,,CfPSPeC†C-C— PSPëCñPsPe
CñPµPePsPjPµPSPPrCfC”C,CHCfC¶ P·PjPµPSC¶PµPSPSC¶ PrPsP·Pë P°P±Ps
P·P±C-P»CHC¶PµPSPSC¶ C-PSC,PµCñPIP°P»Cf PjC-P¶ PIPiPµPrPµPSPSC¶PjPë.

P PsP·CñP°C...CfPSPsPe PiPsPeP°P·PSPëPeC-PI PeP»C-CñPµPSCfCf PeCñPµP°C,PëPSC-PSCf Cf
PrC-C,PµPNë:

PeP»C-CñPµPSCf PeCñPµP°C,PëPSC-PSCf (PjP»/C...PI/1,73Pj²) =

P°P±Ps

PeP»C-CñPµPSCf PeCñPµP°C,PëPSC-PSCf (PjP»/C...PI/1,73Pj²) = B бñ” 3,6

P”C-C,Pë PIC-PePsPj PIC-Pr 1 PrPs 2 PjC-CfC¶C†C-PI. P¶PµC,,PµPiC-Pj CfP»C-Pr
PiCñPëP·PSP°C±P°C,Pë C,C-P»CHPePë P·P° P¶PëC,C,C”PIPëPjPë PiPsPeP°P·P°PSPSC¶PjPë Cf
PrPsP·C- 30 PjPi/PePi PjP°CfPë C,C-P»P° PePsP¶PSC- 12 P°P±Ps 8 PiPsPrPëPS, P·P°P»PµP¶PSPs
PIC-Pr C,C¶P¶PePsCfC,C- C-PSC,,PµPeC†C-C—.

P”C-C,Pë PIC-PePsPj PIC-Pr 2 PjC-CfC¶C†C-PI. PñP°PeCfPëPjP°P»CHPSP° PrPsP·P° PrP»C¶
PrC-C,PµPNë PSPµ PiPsPIPëPSPSP° PiPµCñPµPIPëC%oCfPIP°C,Pë CñPµPePsPjPµPSPPrPsPIP°PSCf

PrPsP·Cf PrP»Cf PrPsCfPsCfP»PëC.... P—PIPëCfP°PNëPSP° CfPµPePsPjPµPSPPrPsPIP°PSP°
 PrPsP·P° PrP»Cf PrC-C,PµPNë P· PjP°CfPsCf C,C-P»P° PrPs 40 PePi, Cf CfP°P·C-
 CfCfPeP»P°PrPSPµPSPëC... P°P±Ps PSPµCfCfPeP»P°PrPSPµPSPëC... C-PSC,,PµPeCfC-PNë
 CfPµCfPsPIPëPIC-PrPSPëC... CëP»CfC...C-PI (PIPeP»CfCfP°CfCfPë
 PiC-C"P»PsPSPµC,,CfPëC,,), PSPµCfCfPeP»P°PrPSPµPSPëC... C-PSC,,PµPeCfC-PNë CëPeC-CfPë,
 PïPSPµPIPjPsPSC-C—, P° C,P°PePsP¶ Cf CfP°P·C- PµPjPiC-CfPëCfPSPsPiPs
 P»C-PeCfPIP°PSPSCf C,,PµP±CfPëP»CHPSPsC— PSPµPNëC,CfPsPiPµPSC-C—
 CfC,P°PSPsPIPëC,CH 50 PjPi/PePi PePsP¶PSC- 12 PiPsPrPëPS (C...PIPsCfPëPj PSP°
 C,,PµP±CfPëP»CHPSCf PSPµPNëC,CfPsPiPµPSC-Cf C,P° P±P°PeC,PµCfC-P°P»CHPSPëPNë
 PjPµPSC-PSPiC-C, - PePsP¶PSC- 8 PiPsPrPëPS). P—PIPëCfP°PNëPSP° C,CfPëPIP°P»C-CfC,CH
 P»C-PeCfPIP°PSPSCf CfC,P°PSPsPIPëC,CH 7-10 PrPSC-PI, C,CfP¶PeC- C-PSC,,PµPeCfC-C—
 PjPsP¶CfC,CH PIPëPjP°Pi°C,Pë C,CfPëPIP°P»C-CëPsPiPs P»C-PeCfPIP°PSPSCf.

*P"C-C,Pë P· PjP°CfPsCf C,C-P»P° 40 PePi C- P±C-P»CHCëPµ.PiPµC,,PµPiC-Pj
 PiCfPëP·PSP°CfP°C,Pë, CfPe PrPsCfPsCfP»PëPj.*

*P'PIPµPrPµPSPSCf PiCfPµPiP°CfP°C,Cz. PµCfPµPiP°CfP°C, PjPsP¶PSP° PIPiPsPrPëC,Pë
 PIPSCfC,CfC-CëPSCfPsPIPµPSPSPs P°P±Ps P·P° PrPsPiPsPjPsPiPsCf PiP»PëP±PsPePsC—
 PIPSCfC,CfC-CëPSCfPsPj'CfP·PsPiPsC— C-PS'C"PëCfC-C— Cf PIPµP»PëPeCf Pj'CfP·PsPICf
 PjP°CfCf (PSP°PiCfPëPeP»P°Pr, Cf PIPµCfC...PSC-PNë P·PsPIPSC-CëPSC-PNë PePIP°PrCfP°PSC,
 CfC-PrPSPëCfPSPsPiPs Pj'CfP·P° bñ“ gluteus maximus).*

*P'PSCzC,CfC-CëPSCfPsPIPµPSPSPµ PIPiPµPrPµPSPSCf.
 P'PSCfC,CfC-CëPSCfPsPIPµPSPSPëPNë CëP»CfC... PIPiPµPrPµPSPSCf PeCfP°C%PëPNë
 PrP»Cf C...PIPsCfPëC... C-P· C,CfP¶PePëPjPë P°P±Ps P·P°PiCfPsP·P»PëPIPëPjPë PrP»Cf
 P¶PëC,C,Cf C-PSC,,PµPeCfC-CfPjPë.*

PµCfPë PIPSCfC,CfC-CëPSCfPsPIPµPSPSPsPjCf PIPiPµPrPµPSPSC- CfPµC,,PµPiC-Pj CfP»C-Pr
 CfPsP·CfPëPSCfC,Pë Cf CfC,PµCfPëP»CHPSC-PNë PIPsPrC- PrP»Cf C-PS'C"PëCfC-PNë, Cf

5 % CfPsP·CfPëPSC- PiP»CfPePsP·Pë PrP»Cf C-PS'C"PëCfC-PNë P°P±Ps 0,9 % CfPsP·CfPëPSC-
 PSP°C,CfC-Cf C...P»PsCfPëPrCf, CfPe P·P°P·PSP°CfPµPSPs C,P°P±P»PëCfC- 3. P'PIPsPrPëC,Pë
 PIPSCfC,CfC-CëPSCfPsPIPµPSPSPs PiPsPIC-P»CHPSPs PiCfPsC,CfPiPsPj 3-5 C...PIPëP»PëPS
 P°P±Ps CfPµCfPµP· CfPëCfC,PµPjCf PrP»Cf PIPSCfC,CfC-CëPSCfPsPIPµPSPSPsPiPs
 PIPiPµPrPµPSPSCf.

*P'PSCzC,CfC-CëPSCfPsPjñ™ CfP·PsPIPµ PIPiPµPrPµPSPSCf. PµCfPµPiP°CfP°C, PjPsP¶PSP°
 CfPsP·CfPëPSCfC,Pë Cf CfC,PµCfPëP»CHPSC-PNë PIPsPrC- PrP»Cf C-PS'C"PëCfC-PNë, 0,9 %
 CfPsP·CfPëPSC- PSP°C,CfC-Cf C...P»PsCfPëPrCf PrP»Cf C-PS'C"PëCfC-PNë, 5 %
 CfPsP·CfPëPSC- PiP»CfPePsP·Pë PrP»Cf C-PS'C"PëCfC-PNë,
 P±P°PeC,PµCfC-PsCfC,P°C,PëCfPSC-PNë PIPsPrC- PrP»Cf C-PS'C"PëCfC-PNë P·
 PiP°CfP°P±PµPSPsPj P°P±Ps P±PµPSP·PëP»PsPIPëPj CfPiPëCfC,PsPj, 0,5 % P°P±Ps 1 %
 CfPsP·CfPëPSC- P»C-PrPsPeP°C—PSCf PiC-PrCfPsC...P»PsCfPëPrCf Cf
 PePsPSCfPµPSC,CfP°CfC-CfC..., C%Ps PIPeP°P·P°PSC- PSPëP¶CfPµ Cf C,P°P±P»PëCfC- 3.*

PµCfPë P·P°CfC,PsCfCfPIP°PSPSC- P»C-PrPsPeP°C—PSCf CfPe CfPsP·CfPëPSPSPëPeP°
 PiPµCfPµPr PIPiPµPrPµPSPSCfPj CfP»C-Pr P·CfPsP±PëC,Pë CëPeC-CfPSCf PiCfPsP±Cf PSP°
 PNëPsPiPs PiPµCfPµPSPSCfPëPjC-CfC,CH.

	PhP±'C"Pj C ₇ PsP·C#PëPSCr PrP»C ₇ C ₇ PsP·PIPμPrPμPSPSC ₇ (PjP»)	PμC ₇ PëP±P»PëP·PSPëPμ PsP±'C"Pj PsC, C ₇ PëPjP°PSPsPiPs C ₇ PsP·C#PëPSCr (PjP»)	PμC ₇ PëP±P»PëP·PSP° PePsPSC†PμPSC, C ₇ P°C†C-C ₇ C†PμC,,PμPĩC-PjCr (PjPi/PjP»)
P'PSCrC, C₇C-CëPSC₇PsPIPμPSPSPμ PIPIPμPrPμPSPSC₇: 500 PjPi/C,,P»P°PePsPS 1 Pi/C,,P»P°PePsPS 2 Pi/C,,P»P°PePsPS	5 10 10	5,7 11,4 12,8	90 90 160
P'PSCrC, C₇C-CëPSC₇PsPjβTMC₇IP·PsPIPμ PIPIPμPrPμPSPSC₇: 500 PjPi/C,,P»P°PePsPS 1 Pi/C,,P»P°PePsPS	1,5 3	2,2 4,4	230 230

$\text{P}\ddot{\text{I}}\text{P}\epsilon\text{C}-\text{C}-\text{PSC}\epsilon\text{C}-\text{P}\gg\text{C}-\text{P}\epsilon\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{C}\dot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\epsilon\text{C}-\text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{P}\text{sP}\pm\text{P}\ddot{\epsilon}, \text{C}\%_{\text{o}}\text{Ps}\text{P}\cdot\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{PsC}\dot{\text{I}}\text{P}\text{sPIC}\dot{\text{I}}\text{C}\ddot{\text{H}}\text{C}, \text{C}\ddot{\text{H}}$
 $\text{P}\dot{\text{I}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{PSC}, \text{P}_{\mu}\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{P}\gg\text{C}\ddot{\text{H}}\text{PSPs}, \text{P}\dot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{P}}\text{P}\dot{\text{I}}\text{PsC}, \text{PsPIP}\gg\text{P}_{\mu}\text{PSC}-\text{C}\ddot{\text{H}}\text{PsP}\cdot\text{C}\ddagger\text{P}\ddot{\text{P}}\text{PSP}\ddot{\epsilon}$
 $\text{P}\dot{\text{I}}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{P}\dot{\text{I}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{C}, \text{C}\dot{\text{I}}\text{P}\dot{\text{I}}\text{P}_{\mu}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{Pr}\text{PIPIP}_{\mu}\text{PrP}_{\mu}\text{PSPSC}\dot{\text{I}}\text{Pj}\text{PSP}_{\mu}\text{PsP}\pm\text{C}\dots\text{C}-\text{PrPSPs}$
 $\text{P}\dot{\text{I}}\text{P}_{\mu}\text{C}\ddot{\text{H}}\text{P}_{\mu}\text{PIC}-\text{C}\ddot{\text{H}}\text{C}\dot{\text{I}}\text{C}, \text{P}\ddot{\epsilon}\text{PSP}^{\circ}\text{PIC}-\text{PrC}\dot{\text{I}}\text{C}\dot{\text{I}}\text{C}, \text{PSC}-\text{C}\dot{\text{I}}\text{C}, \text{C}\ddot{\text{H}}\text{PjP}_{\mu}\text{C}\dots\text{P}^{\circ}\text{PSC}-\text{C}\ddagger\text{PSP}\ddot{\epsilon}\text{C}\dots$
 $\text{PIPeP}\gg\text{C}\ddot{\text{H}}\text{C}\ddagger\text{P}_{\mu}\text{PSC}\ddot{\text{H}}.$

P"»CΠ C-PrPμPSC,PëC,,C-PeP°C†C-C— PjC-PeCḡPsPsCḡPiP°PSC-P·PjCr - P·P±CrPrPSPëPeP°
(P·P±CrPrPSPëPeC-PI) C- PIPëP·PSP°C‡PμPSPSCΠ C‡CrC,P»PëPIPsC†C,C- PrPs
C†PμC,,PμPïC-PjCr C†P»C-Pr P·CḡPsP±PëC,Pë PIC-PrPïPsPIC-PrPSC-
PjC-PeCḡPsP±C-PsP»PsPiC-C‡PSC- PrPsC†P»C-PrP¶PμPSPSCΠ. PhPrPSP°Pe C†PμC,,PμPïC-Pj
PjPsP¶PSP° P·P°C†C,PsC†PsPICrPIP°C,Pë CΠPe PjPsPSPsC,PμCḡP°PiC-Cḡ C°Pμ PrPs
C-PrPμPSC,PëC,,C-PeP°C†C-C— PjC-PeCḡPsPsCḡPiP°PSC-P·PjCr - P·P±CrPrPSPëPeP°, C,PsPjCr
C°PμPs PjP°C" CëPëCḡPsPePëPMë C†PïPμPeC,Cḡ P°PSC,PëP±P°PeC,PμCḡC-P°P»CHPSPsC—
PrC-C— C°PμPsPrPs PiCḡP°PjPïPsP·PëC,PëPIPSPëC... C- PiCḡP°PjPSPμPiP°C,PëPIPSPëC...
PjC-PeCḡPsPsCḡPiP°PSC-P·PjC-PI. PJ C...PIPsCḡPëC... C-P· CḡPëP·PëPePsPj P·PjC-CëP°PSPsC—
P°PμCḡPsP±PSPs/P°PSP°PμCḡPsP±PSPsC— (PIPeP»CḡC‡P°CḡC‡Pë *Bacteroides fragilis*)
C-PSC,,PμPeC†C-C— PrPs C-PrPμPSC,PëC,,C-PeP°C†C-C— P·P±CrPrPSPëPeP° PjPsP¶PSP°
CḡPsP·PiPsC‡PëPSP°C,Pë P»C-PeCrPIP°PSPSCΠ C†PμC,,PμPïC-PjPsPj Cr PePsPjP±C-PSP°C†C-C—
P·PiCḡPμPïP°CḡP°C,PsPj, C°PμPs PIPïP»PëPIP°C" PSP° P°PSP°PμCḡPsP±Pë.

 $P''C-C, P\ddot{e}.$
$$\text{P}-\text{P}^{\circ}\text{C}\dot{\text{I}}\text{C}, \text{PsC}\dot{\text{I}}\text{P}\text{sPIC}\dot{\text{I}}\text{P}\text{P}^{\circ}\text{C}, \text{P}\ddot{\text{e}} \text{PrC}-\text{C}, \text{C}\dot{\text{I}}\text{Pj} \text{PIC}-\text{PePsPj} \text{PIC}-\text{Pr} \text{1 PjC}-\text{C}\dot{\text{I}}\text{C}\dot{\text{I}}\text{C}^+\text{C}\dot{\text{I}}.$$

PuPμCḦPμPṚPsP·CǎPIP°PSPSCḶ.

PŸPëPjPiC,PsPjPë. PJ PIPëPiP°PrPeP°C... P·PSP°C‡PSPsPiPs PiPµCḡPµPIPëC%PµPSPSCḡ
CḡPµPePsPjPµPSPPrPsPIP°PSPëC... PrPsP·, PsCḡPsP±P»PëPIPs Cr C...PIPsCḡPëC... C-P·
PiPsCḡCrCëPµPSPSCḡPjPë C,,CrPSPeC†C-C— PSPëCḡPsPe, PiPsCḡPëP»CḡCḡC,CHCḡCḡ
PiCḡPsCḡPIPë PiPsP±C-C‡PSPëC... CḡPµP°PeC†C-PNë. PŸPëPjPiC,PsPjPë
PiPµCḡPµPrPsP·CrPIP°PSPSCḡ PIPeP»CḡC‡P°CḡC,CH PµPSC†PµC,,P°P»PsPiP°C,C-Cḡ, C%Ps
CḡCrPiCḡPsPIPsPrPḡCrC”C,CHCḡCḡ PiP°P»CḡC†PëPSP°C†C-CḡPjPë, PiPsCḡCrCëPµPSPSCḡPj
CḡPIC-PrPsPjPsCḡC,C-, CḡC,CrPiPsCḡPsPj, PePsPjPsCḡ; PjC-PsPeP»PsPSC-Cḡ;
PµPiC-P»PµPiC,PsC,,PsCḡPjPSC- PSP°PiP°PrPë; PSPµPNëCḡPsPjḡḡ™ CḡP·PsPICḡ
P·P±CrPrP»PëPIC-CḡC,CH.

P>C-PeCžPIP°PSPSCḡ. PŸP»C-Pr PiCḡPëPiPëPSPëC,Pë PIPµPrPµPSPSCḡ PiCḡPµPiP°CḡP°C,Cr,
PiCḡPsPIPµCḡC,Pë CḡPëPjPiC,PsPjP°C,PëC‡PSCḡ C,PµCḡP°PiC-Cḡ. P—P°CḡC,PsCḡCrPIP°PSPSCḡ
PiPµPjPsPrC-P°P»C-P·Cr PiCḡPëCḡPePsCḡCḡ” PIPëPrP°P»PµPSPSCḡ C†PµC,,PµPiC-PjCr P·
PsCḡPiP°PSC-P·PjCr; PiPµCḡPëC,PsPSPµP°P»CHPSPëPNë PrC-P°P»C-P·
PjP°P»PsPµC,,PµPeC,PëPIPSPëPNë. PŸCḡPḡḡPeC- P°P»PµCḡPiC-C‡PSC- CḡPµP°PeC†C-C—
PSPµPiP°PNëPSPsPiPs C,PëPiCr PiPsC,CḡPµP±CrCḡC,CH P·P°CḡC,PsCḡCrPIP°PSPSCḡ
P°PrCḡPµPSP°P»C-PSCḡ C,P° C-PSCëPëC... C,,PsCḡPj C-PSC,PµPSCḡPëPIPSPsC—
C,PµCḡP°PiC-C—.

PµPsP±C-C‡PSC- CḡPµP°PeC†C-C—.

PµC-PrPIPëC%PµPSP° C‡CžC,P»PëPIC-CḡC,CH: CḡPIPµCḡP±C-Pḡ, PeCḡPsPiPëPiḡḡ™ CḡPSPeP°,
P°PSP°C,,C-P»P°PeCḡC-Cḡ.

P— P±PsPeCž C,CḡP°PIPSPsPiPs C,CḡP°PeC,Cž: PSCḡPrPsC,P°, P±P»CḡPIP°PSPSCḡ,
PeP°PSPPrPëPrPsP· CḡPsC,PsPIPsC— PiPsCḡPsPḡḡPSPëPSPë, PrC-P°CḡPµCḡ, PePsP»C-C, (Cr
C,PsPjCr C‡PëCḡP»C- PiCḡPµPIPrPsPjPµPjP±CḡP°PSPsP·PSPëPNë), P±C-P»CH Cr PḡḡPëPIPsC,C-,
P·P°PiPsCḡ.

P— P±PsPeCž PSPµCḡPIPsPIPsC— CḡPëCḡC,PµPjPë: PiPsP»PsPIPSPëPNë P±C-P»CH,
PµPiC-P»PµPiC,PsC,,PsCḡPjPSC- PSP°PiP°PrPë, P·P°PiP°PjPsCḡPsC‡PµPSPSCḡ,
PiP°CḡPµCḡC,PµP·C-Cḡ;

C-PSCëC-: PiP°CḡCḡC‡PeP°, PIP°PiC-PSC-C,, PµCḡPëC,PµPjP°, PIP°P·PsPrPëP»P°C,P°C†C-Cḡ,
CḡPsP·P»P°PrPë PrPëC...P°PSPSCḡ, PiPµPSC-C,P°P»CHPSPëPNë CḡPIPµCḡP±C-Pḡ,
PeP°PSPPrPëPrPsP·.

P>PsPeP°P»CHPSC- CḡPµP°PeC†C-C— Cr PjC-CḡC†C- PIPµPrPµPSPSCḡ PiCḡPµPiP°CḡP°C,Cr:
PiCḡPë PIPSCžC,CḡC-CëPSCḡPsPIPµPSPSPjCž ḡḡ” C,,P»PµP±C-C, C,P° P·P°PiP°P»PµPSPSCḡ;

PiCḡPë PIPSCžC,CḡC-CëPSCḡPsPjḡḡ™ CḡP·PsPIPsPjCž ḡḡ” P±C-P»CH, P·P°PiP°P»PµPSPSCḡ.

PµPsCḡC,PjP°CḡPePµC,PëPSPiPsPIC- PrPsCḡP»C-PrPḡḡPµPSPSCḡ:

ḡḡ” PµPSC†PµC,,P°P»PsPiP°C,C-Cḡ (PIC,CḡP°C,P° CḡPIC-PrPsPjPsCḡC,C-,
PiP°P»CḡC†PëPSP°C†C-Cḡ, CḡC,CrPiPsCḡ, PePsPjP°), PjC-PsPeP»PsPSC-Cḡ, PSPëCḡPePsPIP°
PSPµPrPsCḡC,P°C,PSC-CḡC,CH;

ḡḡ” P°PSP°C,,C-P»P°PeCḡC-Cḡ, Cr C,PsPjCr C‡PëCḡP»C- P°PSP°C,,C-P»P°PeC,PëC‡PSPëPNë
CëPsPe, C,CḡP°PSP·PëC,PsCḡPSP° P»PµPNëPePsPiPµPSC-Cḡ, PSPµPNëC,CḡPsPiPµPSC-Cḡ,
P°PiCḡP°PSCḡP»PsC†PëC,PsP· C,P° C,CḡPsPjP±PsC†PëC,PsPiPµPSC-Cḡ.

$$\begin{aligned} & \text{P}\mathbf{k}\text{P}\mathbf{l} \text{ P}\cdot\text{P}\mathbf{j}\text{C}-\text{C}\mathbf{\epsilon}\text{C}\mathbf{r}\text{P}\mathbf{I}\text{P}^{\circ}\text{C}, \text{P}\mathbf{\epsilon} \text{ P}\mathbf{I} \text{ P}\mathbf{s}\text{P}\mathbf{r}\text{P}\mathbf{S}\text{C}-\text{P}\mathbf{N}\mathbf{\epsilon} \text{ C}''\text{P}\mathbf{j}\text{P}\mathbf{e}\text{P}\mathbf{s}\text{C}\mathbf{f}\text{C}, \text{C}-\text{P}\cdot\text{C}-\text{P}\mathbf{S}\text{C}\mathbf{\epsilon}\text{P}\mathbf{\epsilon}\text{P}\mathbf{j}\text{P}\mathbf{\epsilon} \\ & \text{P}\gg\text{C}-\text{P}\mathbf{e}\text{P}^{\circ}\text{C}\mathbf{f}\text{C}\mathbf{h}\text{P}\mathbf{e}\text{P}\mathbf{\epsilon}\text{P}\mathbf{j}\text{P}\mathbf{\epsilon} \text{ P}\cdot\text{P}^{\circ}\text{C}\mathbf{f}\text{P}\mathbf{s}\pm\text{P}^{\circ}\text{P}\mathbf{j}\text{P}\mathbf{\epsilon}. \text{P}-\text{P}^{\circ}\text{C}\mathbf{f}\text{C}, \text{P}\mathbf{s}\text{C}\mathbf{f}\text{P}\mathbf{s}\text{P}\mathbf{I}\text{C}\mathbf{r}\text{P}\mathbf{I}\text{P}^{\circ}\text{C}, \text{P}\mathbf{\epsilon} \end{aligned}$$

C₇PsP·C‡PëPSPSPëPePë, P·P°P·PSP°C‡P_μPSC- C₇ C₇PsP·PrC-P»C- B«PŸP₇PsC₇C-P±
P·P°C₇C,PsC₇C₇PIP°PSPSC₇ C,P° PrPsP·PëB».

PJPiP°PePsPIPeP°.

P_μPs 1 C,,P»P°PePsPSC₇ C₇ PeP°C₇C,PsPSPSC-PN₂ PePsC₇PsP±C‡C-.

P₇P°C,P_μPiPsC₇C-C₇ PIC-PrPiC₇C₇PeC₇.

P—P° C₇P_μC‡P_μPiC,PsPj.

P'PëC₇PsP±PSPëPe.

P•PeC₇C-C₇ P_μP°C₇PjP°C₇CH₇CH₇C,PëPeP°P» P₇PsPjPiP°PSC-, P‡C₇P°PS.

Exir Pharmaceutical Company, Iran.

**P₇C-C₇C‡P_μP·PSP°C...PsPrP₇P_μPSPSC₇ PIPëC₇PsP±PSPëPeP° C,P° PN₂PsPiPs
P°PrC₇P_μC₇P° PjC-C₇C‡C₇ PiC₇PsPIP°PrP₇P_μPSPSC₇ PrC-C₇P»CH₇PSPsC₇C,C-.**

2-PëPN₂ PePj P C-PSPi P PsC₇Pr, P'PsC₇C₇PrP₇P_μC₇Pr 69189, P‡C₇P°PS.

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