

1

S-WT	MVIQSITHLS	PNLALPSPLS	VSTKNYPVAV	MGNISEREEP	TSAKRVAVVG	AGVSGLAAY
S-BioAC	MVIQSITHLS	PNLALPSPLS	VSTKNYPVAV	MGNISEREEP	TSAKRVAVVG	AGVSGLAAY
R-BioAC	MVIQSITHLS	PNLALPSPLS	VSTKNYPVAV	MGNISEREEP	TSAKRVAVVG	AGVSGLAAY
R-BioCC	MVIQSITHLS	PNLALPSPLS	VSTKNYPVAV	MGNISEREEP	TSAKRVAVVG	AGVSGLAAY

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S-WT	KLKSHGLSVT	LFEADSRAGG	KLKTVKKDGF	IWDEGANTMT	ESEAEVSSLI	DDLGLREKQQ
S-BioAC	KLKSHGLSVT	LFEADSRAGG	KLKTVKKDGF	IWDEGANTMT	ESEAEVSSLI	DDLGLREKQQ
R-BioAC	KLKSHGLSVT	LFEADSRAGG	KLKTVKKDGF	IWDEGANTMT	ESEAEVSSLI	DDLGLREKQQ
R-BioCC	KLKSHGLSVT	LFEANSRAGG	KLKTVKKDGF	IWDEGANTMT	ESEAEVSSLI	DDLGLREKQQ

121

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S-WT	LPISQNKRYI	ARDGLPVLPP	SNPAALLTSN	ILSAKSKLQI	MLEPFLWRKH	NATELSDEHV
S-BioAC	LPISQNKRYI	ARAGLPVLPP	SNPAALLTSN	ILSAKSKLQI	MLEPFLWRKH	NATELSDEHV
R-BioAC	LPISQNKRYI	ARDGLPVLPP	SNPAALLTSN	ILSAKSKLQI	MLEPFLWRKH	NATELSDEHV
R-BioCC	LPISQNKRYI	ARDGLPVLPP	SNPAALLTSN	ILSAKSKLQI	MLEPFLWRKH	NATELSDEHV

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S-WT	QESVGEFFER	HFGKEFVDYV	IDPFVAGTC	G	GDPQSLSMHH	TFPEVWNIK	RFGSVFAGLI
S-BioAC	QESVGEFFER	HFGKEFVDYV	IDPFVAGTC	G	GDPQSLSMHH	TFPEVWNIK	RFGSVFAGLI
R-BioAC	QESVGEFFER	HFGKEFVDYV	IDPFVAGTC	-	GDPQSLSMHH	TFPEVWNIK	RFGSVFAGLI
R-BioCC	QESVGEFFER	HFGKEFVDYV	IDPFVAGTC	-	GDPQSLSMYH	TFPEVWNIK	RFGSVFAGLI

241

S-WT	QSTLLSKKEK	GENASIKKP	RVRGSFSFQG	GMQTLVDTMC	KQLGEDELKL	QCEVLSLSYN
S-BioAC	QSTLLSKKEK	GENASIKKP	RVRGSFSFQG	GMQTLVDTMC	KQLGEDELKL	QCEVLSLSYN
R-BioAC	QSTLLSKKEK	GENASIKKP	RVRGSFSFQG	GMQTLVDTMC	KQLGEDELKL	QCEVLSLSYN
R-BioCC	QSTLLSKKEK	GENASIKKP	RVRGSFSFQG	GMQTLVDTMC	KQLGEDELKL	QCEVLSLSYN

301

S-WT	QKGIPSLGNW	SVSSMSNNTS	EDQSYDAVVV	TAPIRNVKEM	KIMKFGNPF	LDFIPEVTYV
S-BioAC	QKGIPSLGNW	SVSSMSNNTS	EDQSYDAVVV	TAPIRNVKEM	KIMKFGNPF	LDFIPEVTYV
R-BioAC	QKGIPSLGNW	SVSSMSNNTS	EDQSYDAVVV	TAPIRNVKEM	KIMKFGNPF	LDFIPEVTYV
R-BioCC	QKGIPSLGNW	SVSSMSNNTS	EDQSYDAVVV	TAPIRNVKEM	KIMKFGNPF	LDFIPEVTYV

361

S-WT	PLSVMITAFK	KDKVKRPLEG	FGVLIPSKEQ	HNGLKTLGTL	FSSMMFPDRA	PSDMCLFTTF
S-BioAC	PLSVMITAFK	KDKVKRPLEG	FGVLIPSKEQ	HNGLKTLGTL	FSSMMFPDRA	PSDMCLFTTF
R-BioAC	PLSVMITAFK	KDKVKRPLEG	FGVLIPSKEQ	HNGLKTLGTL	FSSMMFPDRA	PSDMCLFTTF
R-BioCC	PLSVMITAFK	KDKVKRPLEG	FGVLIPSKEQ	HNGLKTLGTL	FSSMMFPDRA	PSDMCLFTTF

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S-WT	VGGSRRNKLA	NASTDELKQI	VSSDLQQLLG	TEDEPSFVNH	LFWSNAFFLY	GHNYDSVLRA
S-BioAC	VGGSRRNKLA	NASTDELKQI	VSSDLQQLLG	TEDEPSFVNH	LFWSNAFFLY	GHNYDSVLRA
R-BioAC	VGGSRRNKLA	NASTDELKQI	VSSDLQQLLG	TEDEPSFVNH	LFWSNAFFLY	GHNYDCVLR
R-BioCC	VGGSRRNKLA	NASTDELKQI	VSSDLQQLLG	TEDEPSFVNH	LFWSNAFFLY	GHNYDSVLRA

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S-WT	IDKMEKDLPG	FFYAGNHKGG	LSVGKAMASG	CKAAELVISY	LDSHIYVKMD	EKTA
S-BioAC	IDKMEKDLPG	FFYAGNHKGG	LSVGKAMASG	CKAAELVISY	LDSHIYVKMD	EKTA
R-BioAC	IDKMEKDLPG	FFYAGNHKGG	LSVGKAMASG	CKAAELVISY	LDSHIYVKMD	EKTA
R-BioCC	IDKMEKDLPG	FFYAGNHKGG	LSVGKAMASG	CKAAELVISY	LDSHIYVKMD	EKTA