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Asn Lys Gly Ala Lys
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Asn Lys Gly Thr Lys
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Gln Ser Gly Met Ala Ile Ser Thr Gly Ser Gly His Gly Tyr Asn Trp
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Gln Ser Gly Met Ala Ile Asp Ile Gly Ser Gly His Gly Tyr Asn Trp
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Tyr

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Tyr Pro Trp Ala Met Trp Gly Gln Trp Tyr
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Val Phe Met Pro Gln His Trp His Pro Ala Ala His Trp Tyr
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Arg Glu Ala Arg His Pro Trp Leu Arg Gln Trp Tyr
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Tyr Pro Trp Gly Ala Gly Ala Pro Trp Leu Val Gln Trp Tyr
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Ser	Leu	Thr	Ile	Asn	Cys	Val	Leu	Thr
			20					25

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Ser	Leu	Thr	Ile	Asn	Cys	Val	Val	Thr
			20					25

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Ser Leu Thr Ile Asn Cys Val Leu Thr
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Ala Ser Val Asn Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
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Ser Leu Thr Ile Asn Cys Val Val Thr
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
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Arg Val Thr Ile Thr Cys Val Leu Thr
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Thr Ser Trp Phe Arg Lys Asn Pro Gly
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Thr Tyr Trp Tyr Arg Lys Asn Pro Gly
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Gly Arg Tyr Val Glu Ser Val
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Gly Arg Tyr Ser Glu Ser Val
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Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
1 5 10 15

Tyr Tyr Cys Lys Ala
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Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
1 5 10 15

Tyr Tyr Cys Arg Ala
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Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr
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Tyr Tyr Cys Lys Ala
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Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
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Tyr Met Glu Ser Leu His Met Gln Gly Glu Ile Glu Asn Gln Ile
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Cys Gln Pro Trp Asn Ser Gln Tyr Pro His Thr His Thr Phe Thr Ala
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Leu Arg Phe Pro
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Arg Ser Thr Ile Tyr Gly Ser Arg Leu Arg Ile Arg Asn Leu Asp Thr
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Thr Asp Thr Gly Tyr Phe Gln
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Gln Cys Val Ala Thr Asn Gly Lys Glu Val Val Ser Ser Thr Gly Val
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Leu Phe Val Lys Phe Gly Pro Pro Pro Thr Ala Ser Pro Gly Tyr Ser
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Asp Glu Tyr Glu
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Ala Ser Val Asn Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
1 5 10 15

Ser Leu Thr Ile Asn Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Ser Trp Phe Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Val Glu Ser Val Asn Lys Arg Ala Lys
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Gln Ser Gly Met Ala Ile Ser Thr Gly Ser Gly
85 90 95

His Gly Tyr Asn Trp Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Ala Lys Val Asp Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
1 5 10 15

Ser Leu Thr Ile Asn Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Ser Trp Phe Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Val Glu Ser Val Asn Lys Arg Ala Lys
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Gln Ser Gly Met Ala Ile Asp Ile Gly Ser Gly
85 90 95

His Gly Tyr Asn Trp Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Thr Arg Val Asp Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
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Ser Leu Thr Ile Asn Cys Val Val Thr Gly Ala Lys Tyr Gly Leu Ala
20 25 30

Ala Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Gln Glu Arg
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Val Glu Ser Val Asn Lys Arg Thr Met
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Tyr Pro Trp Ala Met Trp Gly Gln Trp Tyr Asp
85 90 95

Gly Ala Gly Thr Val Leu Thr Val Asn
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Thr Arg Val Asp Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
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Ser Leu Thr Ile Asn Cys Val Val Thr Gly Ala Lys Tyr Gly Leu Phe
20 25 30

Ala Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Gln Glu Arg
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Val Glu Ser Val Asn Lys Arg Thr Met
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Val Phe Met Pro Gln His Trp His Pro Ala Ala
85 90 95

His Trp Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Thr Arg Val Asp Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
1 5 10 15

Ser Leu Thr Ile Asn Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Ser Trp Phe Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Val Glu Ser Val Asn Lys Gly Ala Lys
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Arg Glu Ala Arg His Pro Trp Leu Arg Gln Trp
85 90 95

Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Ala Ser Val Asn Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
1 5 10 15

Ser Leu Thr Ile Asn Cys Val Val Thr Gly Ala Asn Tyr Gly Leu Ala
20 25 30

Ala Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Gln Glu Arg
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Val Glu Ser Val Asn Lys Arg Thr Met
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Tyr Pro Trp Gly Ala Gly Ala Pro Trp Leu Val
85 90 95

Gln Trp Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Val Leu Thr Gly Ala Asn Tyr Gly Leu Ala
20 25 30

Ser Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Lys Glu Gln
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Ser Glu Ser Val Asn Lys Gly Thr Lys
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Arg Ala Tyr Pro Trp Gly Ala Gly Ala Pro Trp Leu Val
85 90 95

Gln Trp Tyr Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Val Leu Thr Gly Ala Asn Tyr Gly Leu Ala
20 25 30

Ser Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Gln Glu Arg
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Ser Glu Ser Val Asn Lys Arg Thr Met
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Arg Ala Tyr Pro Trp Gly Ala Gly Ala Pro Trp Leu Val
85 90 95

Gln Trp Tyr Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Ser Trp Phe Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Val Glu Ser Val Asn Lys Gly Ala Lys
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Arg Glu Ala Arg His Pro Trp Leu Arg Gln Trp
85 90 95

Tyr Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
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Arg Val Thr Ile Thr Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Lys Glu Gln
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Ser Glu Ser Val Asn Lys Gly Thr Lys
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Arg Ala Arg Glu Ala Arg His Pro Trp Leu Arg Gln Trp
85 90 95

Tyr Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
100 105

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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
1 5 10 15

Arg Val Thr Ile Thr Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Ser Glu Ser Val Asn Lys Gly Ala Lys
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Arg Ala Arg Glu Ala Arg His Pro Trp Leu Arg Gln Trp
85 90 95

Tyr Asp Gly Ala Gly Thr Lys Val Glu Ile Lys
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Pro Gly Val Gln Pro Ser Pro Gly Gly Gly Gly Ser
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Pro Gly Val Gln Pro Ala Pro Gly Gly Gly Gly Ser
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Gln Ala Cys Lys Ala His His His His His His Gly Ala Glu Phe Glu
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Gln Lys Leu Ile Ser Glu Glu Asp Leu
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Gln Ala Cys Gly Ala His His His His His His Gly Ala Glu Phe Glu
1 5 10 15

Gln Lys Leu Ile Ser Glu Glu Asp Leu
20 25

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Thr Arg Val Asp Gln Thr Pro Arg Thr Ala Thr Lys Glu Thr Gly Glu
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Ser Leu Thr Ile Asn Cys Val Leu Thr Asp Thr Ser Tyr Gly Leu Tyr
20 25 30

Ser Thr Ser Trp Phe Arg Lys Asn Pro Gly Thr Thr Asp Trp Glu Arg
35 40 45

Met Ser Ile Gly Gly Arg Tyr Val Glu Ser Val Asn Lys Gly Ala Lys
50 55 60

Ser Phe Ser Leu Arg Ile Lys Asp Leu Thr Val Ala Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Gln Ser Leu Ala Ile Ser Thr Arg Ser Tyr Trp
85 90 95

Tyr Asp Gly Ala Gly Thr Val Leu Thr Val Asn
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Thr Arg Val Asp Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp
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Arg Val Thr Ile Thr Cys Val Leu Thr Asp Thr Ser Tyr Pro Leu Tyr
20 25 30

Ser Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Lys Glu Gln
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Ser Glu Ser Val Asn Lys Gly Thr Lys
50 55 60

Ser Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Arg Ala Met Ser Thr Asn Ile Trp Thr Gly Asp Gly Ala
85 90 95

Gly Thr Lys Val Glu Ile Lys
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Tyr Tyr Cys Lys Ala
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Asp Gly Gln Gly Thr Lys Leu Glu Val Lys
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Ala Ser Val Thr Gln Ser Pro Arg Ser Ala Ser Lys Glu Thr Gly Glu
1 5 10 15

Ser Leu Thr Ile Thr Cys Arg Val Thr Gly Ala Asn Tyr Gly Leu Ala
20 25 30

Ala Thr Tyr Trp Tyr Arg Lys Asn Pro Gly Ser Ser Asn Gln Glu Arg
35 40 45

Ile Ser Ile Ser Gly Arg Tyr Ser Glu Ser Val Asn Lys Arg Thr Met
50 55 60

Ser Phe Ser Leu Arg Ile Ser Ser Leu Thr Val Glu Asp Ser Ala Thr
65 70 75 80

Tyr Tyr Cys Lys Ala Tyr Pro Trp Gly Ala Gly Ala Pro Trp Leu Val
85 90 95

Gln Trp Tyr Asp Gly Gln Gly Thr Lys Leu Glu Val Lys

100

105