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Glu Gly Arg Glu Asp Ala Asp Val Trp Lys Val Val Phe Gly Ile Asn
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Asn Leu Asp His Pro Ser Gly Phe Met Gln Thr Arg Phe Val Lys Thr
930 935 940

Ile Leu Leu His Pro Arg Tyr Ser Arg Ala Val Val Asp Tyr Asp Ile
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Ser Val Val Glu Leu Ser Asp Asp Ile Asn Glu Thr Ser Tyr Val Arg
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Pro Val Cys Leu Pro Ser Pro Glu Glu Tyr Leu Glu Pro Asp Thr Tyr
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Cys Tyr Ile Thr Gly Trp Gly His Met Gly Asn Lys Met Pro Phe Lys
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Ser Tyr Phe Asp Met Lys Thr Ile Thr Asn Arg Met Ile Cys Ala
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Gly Tyr Glu Ser Gly Thr Val Asp Ser Cys Met Gly Asp Ser Gly
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Gly Pro Leu Val Cys Glu Arg Pro Gly Gly Gln Trp Thr Leu Phe
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Asp Asp Ser Asp Glu Gln Asp Cys Pro Pro Arg Glu Cys Glu Glu Asp
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Glu Phe Pro Cys Gln Asn Gly Tyr Cys Ile Arg Ser Leu Trp His Cys
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Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu Gln Cys Asp Met
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Arg Lys Cys Ser Asp Lys Glu Phe Arg Cys Ser Asp Gly Ser Cys Ile
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Ala Glu His Trp Tyr Cys Asp Gly Asp Thr Asp Cys Lys Asp Gly Ser
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Asp Glu Glu Asn Cys Pro Ser Ala Val Pro Ala Pro Pro Cys Asn Leu
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Glu Glu Phe Gln Cys Ala Tyr Gly Arg Cys Ile Leu Asp Ile Tyr His
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Cys Asp Gly Asp Asp Asp Cys Gly Asp Trp Ser Asp Glu Ser Asp Cys
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Cys Glu Tyr Ser Gly Gln Leu Gly Ala Ser His Gln Pro Cys Arg Ser
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Gly Glu Phe Met Cys Asp Ser Gly Leu Cys Ile Asn Ala Gly Trp Arg
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Cys Asp Gly Asp Ala Asp Cys Asp Asp Gln Ser Asp Glu Arg Asn Cys
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Lys Gln Phe Arg Cys His Ser Gly Arg Cys Val Arg Leu Ser Trp Arg
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Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu Glu Asn Cys
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Glu Asn Thr Gly Ser Pro Gln Cys Ala Leu Asp Gln Phe Leu Cys Trp
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Asn Gly Arg Cys Ile Gly Gln Arg Lys Leu Cys Asn Gly Val Asn Asp
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Cys Gly Asp Asn Ser Asp Glu Ser Pro Gln Gln Asn Cys Arg Pro Arg
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Thr Gly Glu Glu Asn Cys Asn Val Asn Asn Gly Gly Cys Ala Gln Lys
305 310 315 320

Cys Gln Met Val Arg Gly Ala Val Gln Cys Thr Cys His Thr Gly Tyr
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Arg Leu Thr Glu Asp Gly His Thr Cys Gln Asp Val Asn Glu Cys Ala
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Glu Glu Gly Tyr Cys Ser Gln Gly Cys Thr Asn Ser Glu Gly Ala Phe
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Gln Cys Trp Cys Glu Thr Gly Tyr Glu Leu Arg Pro Asp Arg Arg Ser
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Cys Lys Ala Leu Gly Pro Glu Pro Val Leu Leu Phe Ala Asn Arg Ile
385 390 395 400

Asp Ile Arg Gln Val Leu Pro His Arg Ser Glu Tyr Thr Leu Leu Leu
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Asn Asn Leu Glu Asn Ala Ile Ala Leu Asp Phe His His Arg Arg Glu
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Leu Val Phe Trp Ser Asp Val Thr Leu Asp Arg Ile Leu Arg Ala Asn
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Leu Asn Gly Ser Asn Val Glu Glu Val Val Ser Thr Gly Leu Glu Ser
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Pro Gly Gly Leu Ala Val Asp Trp Val His Asp Lys Leu Tyr Trp Thr
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Asp Ser Gly Thr Ser Arg Ile Glu Val Ala Asn Leu Asp Gly Ala His
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Arg Lys Val Leu Leu Trp Gln Asn Leu Glu Lys Pro Arg Ala Ile Ala
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Pro Arg Ile Glu Ala Ser Ser Met Asp Gly Ser Gly Arg Arg Ile Ile
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Gly Arg Arg Met Tyr Trp Val Asp Ala Lys His His Val Ile Glu Arg
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Ala Asn Leu Asp Gly Ser His Arg Lys Ala Val Ile Ser Gln Val Phe
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Glu Asp Ser Leu Tyr Trp Thr Asp Trp His Thr Lys Ser Ile Asn Ser
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Ala Asn Lys Phe Thr Gly Lys Asn Gln Glu Ile Ile Arg Asn Lys Leu
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His Phe Pro Met Asp Ile His Thr Leu His Pro Gln Arg Gln Pro Ala
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Gly Lys Asn Arg Cys Gly Asp Asn Asn Gly Gly Cys Thr His Leu Cys
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Leu Pro Ser Gly Gln Asn Tyr Thr Cys Ala Cys Pro Thr Gly Phe Arg
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Lys Ile Ser Ser His Ala Cys Ala Gln Ser Leu Asp Lys Phe Leu Leu
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Phe Ala Arg Arg Met Asp Ile Arg Arg Ile Ser Phe Asp Thr Glu Asp
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Leu Ser Asp Asp Val Ile Pro Leu Ala Asp Val Arg Ser Ala Val Ala
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Thr Asp Thr Ile Ser Arg Ala Lys Trp Asp Gly Thr Gly Gln Glu Val
740 745 750

Val Val Asp Thr Ser Leu Glu Ser Pro Ala Gly Leu Ala Ile Asp Trp
755 760 765

Val Thr Asn Lys Leu Tyr Trp Thr Asp Ala Gly Thr Asp Arg Ile Glu
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Val Ala Asn Thr Asp Gly Ser Met Arg Thr Val Leu Ile Trp Glu Asn
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Tyr Trp Thr Asp Trp Gly Ala Ser Pro Lys Ile Glu Arg Ala Gly Met
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Asp Ala Ser Gly Arg Gln Val Ile Ile Ser Ser Asn Leu Thr Trp Pro
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Lys Val Leu Ile Gly Ser Gln Leu Pro His Pro Phe Gly Leu Thr Leu
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His Thr Leu Val Ser Pro Val Gln His Pro Tyr Gly Leu Thr Leu
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1235 1240 1245

Gln Pro Leu Gly Phe Asn Lys Cys Gly Ser Arg Asn Gly Gly Cys
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Asp Gly Lys Val Tyr Tyr Thr Asp Val Phe Leu Asp Val Ile Arg
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Leu Asp Gly Ser Glu Arg Lys Val Leu Ile Asn Thr Asp Leu Gly
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Trp Val Asp Ala His Leu Asp Arg Ile Glu Ser Ala Asp Leu Asn
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Val Cys Ala Cys Pro Asp Glu Pro Asp Ser Arg Pro Cys Ser Leu
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Val Pro Gly Leu Val Pro Pro Ala Pro Arg Ala Thr Gly Met Ser
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Glu Lys Ser Pro Val Leu Pro Asn Thr Pro Pro Thr Thr Leu Tyr
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Tyr Ala Ile Gly Gly Leu Leu Ser Ile Leu Leu Ile Leu Val Val
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Ile Ala Ala Leu Met Leu Tyr Arg His Lys Lys Ser Lys Phe Thr
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Asp Pro Gly Met Gly Asn Leu Thr Tyr Ser Asn Pro Ser Tyr Arg
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Met Tyr Asn Gln Leu Cys Tyr Lys Lys Glu Gly Gly Pro Asp His
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Asn Tyr Thr Lys Glu Lys Ile Lys Ile Val Glu Gly Ile Cys Leu
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Leu Ser Gly Asp Asp Ala Glu Trp Asp Asp Leu Lys Gln Leu Arg
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Ser Ser Arg Gly Gly Leu Leu Arg Asp His Val Cys Met Lys Thr
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Asp Thr Val Ser Ile Gln Ala Ser Ser Gly Ser Leu Asp Asp Thr
1790 1795 1800

Glu Thr Glu Gln Leu Leu Gln Glu Glu Gln Ser Glu Cys Ser Ser
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