SEQUENCE LISTING

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<120> OLIGONUCLEOTIDE

<130> 0105 26 WO

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<150> 63/085,668
<151> 2020-09-30

<160> 22490

<170> PatentIn version 3.5

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<212> PRT
<213> Homo sapiens

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Arg Leu Leu Asp Leu Leu Glu Gly Leu Thr Gly Gln Lys Leu Pro Lys
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Glu Lys Gly Ser Thr Arg Val His Ala Leu Asn Asn Val Asn Lys Ala
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Leu Arg Val Leu Gln Asn Asn Asn Val Asp Leu Val Asn Ile Gly Ser
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Thr Asp Ile Val Asp Gly Asn His Lys Leu Thr Leu Gly Leu Ile Trp
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Asn Ile Ile Leu His Trp Gln Val Lys Asn Val Met Lys Asn Ile Met
115 120 125

Ala Gly Leu Gln Gln Thr Asn Ser Glu Lys Ile Leu Leu Ser Trp Val
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Arg Gln Ser Thr Arg Asn Tyr Pro Gln Val Asn Val Ile Asn Phe Thr
145 150 155 160

Thr Ser Trp Ser Asp Gly Leu Ala Leu Asn Ala Leu Ile His Ser His
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Arg Pro Asp Leu Phe Asp Trp Asn Ser Val Val Cys Gln Gln Ser Ala
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Thr Gln Arg Leu Glu His Ala Phe Asn Ile Ala Arg Tyr Gln Leu Gly
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210 215 220

Lys Lys Ser Ile Leu Met Tyr Ile Thr Ser Leu Phe Gln Val Leu Pro
225 230 235 240

Gln Gln Val Ser Ile Glu Ala Ile Gln Glu Val Glu Met Leu Pro Arg
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Pro Pro Lys Val Thr Lys Glu Glu His Phe Gln Leu His His Gln Met
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His Tyr Ser Gln Gln Ile Thr Val Ser Leu Ala Gln Gly Tyr Glu Arg
275 280 285

Thr Ser Ser Pro Lys Pro Arg Phe Lys Ser Tyr Ala Tyr Thr Gln Ala
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Ala Tyr Val Thr Thr Ser Asp Pro Thr Arg Ser Pro Phe Pro Ser Gln
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His Leu Glu Ala Pro Glu Asp Lys Ser Phe Gly Ser Ser Leu Met Glu
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Ser Asn Asp Val Glu Val Val Lys Asp Gln Phe His Thr His Glu Gly
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Tyr Met Met Asp Leu Thr Ala His Gln Gly Arg Val Gly Asn Ile Leu
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Gln Leu Gly Ser Lys Leu Ile Gly Thr Gly Lys Leu Ser Glu Asp Glu
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Cys Leu Arg Val Ala Ser Met Glu Lys Gln Ser Asn Leu His Arg Val
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Thr Lys Thr Glu Glu Arg Thr Arg Lys Met Glu Glu Glu Pro Leu Gly
465 470 475 480

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Glu Lys Glu Asp Ala Val Asn Lys Ile His Thr Thr Gly Phe Lys Asp
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Gln Asn Glu Met Leu Ser Ser Leu Gln Lys Leu Ala Val Leu Lys Ala
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Asp Leu Glu Lys Lys Lys Gln Ser Met Gly Lys Leu Tyr Ser Leu Lys
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Gln Pro Ser Leu Thr Gln Thr Thr Val Met Glu Thr Val Thr Thr Val
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755 760 765

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Ser Gly Leu Gln Pro Gln Ile Glu Arg Leu Lys Ile Gln Ser Ile Ala
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915 920 925

Glu Lys Glu Leu Gln Thr Ile Phe Asp Thr Leu Pro Pro Met Arg Tyr
930 935 940

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945 950 955 960

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980 985 990

Gln Ser Gly Leu Tyr Tyr Leu Ser Thr Thr Val Lys Glu Met Ser Lys
995 1000 1005

Lys Ala Pro Ser Glu Ile Ser Arg Lys Tyr Gln Ser Glu Phe Glu
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His Cys Gln Lys Leu Glu Glu Gln Met Asn Lys Leu Arg Lys Ile
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Gln Asn His Ile Gln Thr Leu Lys Lys Trp Met Ala Glu Val Asp
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Val Phe Leu Lys Glu Glu Trp Pro Ala Leu Gly Asp Ser Glu Ile
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Thr Glu Leu Lys Glu Leu Asn Thr Gln Trp Asp His Met Cys Gln
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Gln Val Tyr Ala Arg Lys Glu Ala Leu Lys Gly Gly Leu Glu Lys
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Asn Lys Trp Leu Asn Glu Val Glu Phe Lys Leu Lys Thr Thr Glu
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Leu Ile Asn Glu Glu Leu Glu Thr Phe Asn Ser Arg Trp Arg Glu
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Glu Ser Leu Thr Phe Ile Asp Lys Gln Leu Ala Ala Tyr Ile Ala
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Asp Lys Val Asp Ala Ala Gln Met Pro Gln Glu Ala Gln Lys Ile
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Ser Lys Met Ile Leu Asp Glu Val Lys Met His Leu Pro Ala Leu
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His Cys Val Asn Leu Tyr Lys Ser Leu Ser Glu Val Lys Ser Glu
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Val Glu Met Val Ile Lys Thr Gly Arg Gln Ile Val Gln Lys Lys
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Lys Leu His Tyr Asn Glu Leu Gly Ala Lys Val Thr Glu Arg Lys
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Gln Gln Leu Glu Lys Cys Leu Lys Leu Ser Arg Lys Met Arg Lys
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Glu Met Asn Val Leu Thr Glu Trp Leu Ala Ala Thr Asp Met Glu
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Leu Thr Lys Arg Ser Ala Val Glu Gly Met Pro Ser Asn Leu Asp
1595 1600 1605

Ser Glu Val Ala Trp Gly Lys Ala Thr Gln Lys Glu Ile Glu Lys

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Gln Lys Val His Leu Lys Ser Ile Thr Glu Val Gly Glu Ala Leu
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Ser Leu Leu Asn Ser Asn Trp Ile Ala Val Thr Ser Arg Ala Glu
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Glu Trp Leu Asn Leu Leu Leu Glu Tyr Gln Lys His Met Glu Thr
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Phe Asp Gln Asn Val Asp His Ile Thr Lys Trp Ile Ile Gln Ala
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Asp Thr Leu Leu Asp Glu Ser Glu Lys Lys Lys Pro Gln Gln Lys
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Pro Lys Val Asp Ser Thr Arg Asp Gln Ala Ala Asn Leu Met Ala
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Asn Arg Gly Asp His Cys Arg Lys Leu Val Glu Pro Gln Ile Ser
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Glu Leu Asn His Arg Phe Ala Ala Ile Ser His Arg Ile Lys Thr
1760 1765 1770

Gly Lys Ala Ser Ile Pro Leu Lys Glu Leu Glu Gln Phe Asn Ser
1775 1780 1785

Asp Ile Gln Lys Leu Leu Glu Pro Leu Glu Ala Glu Ile Gln Gln
1790 1795 1800

Gly Val Asn Leu Lys Glu Glu Asp Phe Asn Lys Asp Met Asn Glu
1805 1810 1815

Asp Asn Glu Gly Thr Val Lys Glu Leu Leu Gln Arg Gly Asp Asn
1820 1825 1830

Leu Gln Gln Arg Ile Thr Asp Glu Arg Lys Arg Glu Glu Ile Lys
1835 1840 1845

Ile Lys Gln Gln Leu Leu Gln Thr Lys His Asn Ala Leu Lys Asp
1850 1855 1860

Leu Arg Ser Gln Arg Arg Lys Lys Ala Leu Glu Ile Ser His Gln
1865 1870 1875

Trp Tyr Gln Tyr Lys Arg Gln Ala Asp Asp Leu Leu Lys Cys Leu
1880 1885 1890

Asp Asp Ile Glu Lys Lys Leu Ala Ser Leu Pro Glu Pro Arg Asp
1895 1900 1905

Glu Arg Lys Ile Lys Glu Ile Asp Arg Glu Leu Gln Lys Lys Lys
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1925 1930 1935

Asp Gly Ala Ala Met Ala Val Glu Pro Thr Gln Ile Gln Leu Ser
1940 1945 1950

Lys Arg Trp Arg Glu Ile Glu Ser Lys Phe Ala Gln Phe Arg Arg
1955 1960 1965

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1970 1975 1980

Val Met Thr Glu Asp Met Pro Leu Glu Ile Ser Tyr Val Pro Ser
1985 1990 1995

Thr Tyr Leu Thr Glu Ile Thr His Val Ser Gln Ala Leu Leu Glu
2000 2005 2010

Val Glu Gln Leu Leu Asn Ala Pro Asp Leu Cys Ala Lys Asp Phe
2015 2020 2025

Glu Asp Leu Phe Lys Gln Glu Glu Ser Leu Lys Asn Ile Lys Asp
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Ser Leu Gln Gln Ser Ser Gly Arg Ile Asp Ile Ile His Ser Lys
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Lys Thr Ala Ala Leu Gln Ser Ala Thr Pro Val Glu Arg Val Lys
2060 2065 2070

Leu Gln Glu Ala Leu Ser Gln Leu Asp Phe Gln Trp Glu Lys Val
2075 2080 2085

Asn Lys Met Tyr Lys Asp Arg Gln Gly Arg Phe Asp Arg Ser Val
2090 2095 2100

Glu Lys Trp Arg Arg Phe His Tyr Asp Ile Lys Ile Phe Asn Gln
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Gln Asp Gly Ile Gly Gln Arg Gln Thr Val Val Arg Thr Leu Asn
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Ala Thr Gly Glu Glu Ile Ile Gln Gln Ser Ser Lys Thr Asp Ala
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Ser Ile Leu Gln Glu Lys Leu Gly Ser Leu Asn Leu Arg Trp Gln
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Gln Lys Asn Ile Leu Ser Glu Phe Gln Arg Asp Leu Asn Glu Phe
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Val Leu Trp Leu Glu Glu Ala Asp Asn Ile Ala Ser Ile Pro Leu
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Glu Pro Gly Lys Glu Gln Gln Leu Lys Glu Lys Leu Glu Gln Val
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Lys Leu Leu Val Glu Glu Leu Pro Leu Arg Gln Gly Ile Leu Lys
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Gln Leu Asn Glu Thr Gly Gly Pro Val Leu Val Ser Ala Pro Ile
2270 2275 2280

Ser Pro Glu Glu Gln Asp Lys Leu Glu Asn Lys Leu Lys Gln Thr
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Asn Leu Gln Trp Ile Lys Val Ser Arg Ala Leu Pro Glu Lys Gln
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Lys Leu Glu Asp Leu Glu Glu Gln Leu Asn His Leu Leu Leu Trp
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Leu Ser Pro Ile Arg Asn Gln Leu Glu Ile Tyr Asn Gln Pro Asn
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Gln Glu Gly Pro Phe Asp Val Gln Glu Thr Glu Ile Ala Val Gln
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Ala Lys Gln Pro Asp Val Glu Glu Ile Leu Ser Lys Gly Gln His
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Leu Tyr Lys Glu Lys Pro Ala Thr Gln Pro Val Lys Arg Lys Leu
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Glu Leu Arg Ala Lys Gln Pro Asp Leu Ala Pro Gly Leu Thr Thr
2420 2425 2430

Ile Gly Ala Ser Pro Thr Gln Thr Val Thr Leu Val Thr Gln Pro
2435 2440 2445

Val Val Thr Lys Glu Thr Ala Ile Ser Lys Leu Glu Met Pro Ser
2450 2455 2460

Ser Leu Met Leu Glu Val Pro Ala Leu Ala Asp Phe Asn Arg Ala
2465 2470 2475

Trp Thr Glu Leu Thr Asp Trp Leu Ser Leu Leu Asp Gln Val Ile
2480 2485 2490

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2495 2500 2505

Met Ile Ile Lys Gln Lys Ala Thr Met Gln Asp Leu Glu Gln Arg
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Asp Leu Arg Gln Trp Gln Thr Asn Val Asp Val Ala Asn Asp Leu
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Ala Leu Lys Leu Leu Arg Asp Tyr Ser Ala Asp Asp Thr Arg Lys
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Val His Met Ile Thr Glu Asn Ile Asn Ala Ser Trp Arg Ser Ile
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His Lys Arg Val Ser Glu Arg Glu Ala Ala Leu Glu Glu Thr His
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Thr Arg Lys Glu Arg Leu Leu Glu Asp Ser Lys Gly Val Lys Glu
2720 2725 2730

Leu Met Lys Gln Trp Gln Asp Leu Gln Gly Glu Ile Glu Ala His
2735 2740 2745

Thr Asp Val Tyr His Asn Leu Asp Glu Asn Ser Gln Lys Ile Leu
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2765 2770 2775

Leu Asp Asn Met Asn Phe Lys Trp Ser Glu Leu Arg Lys Lys Ser
2780 2785 2790

Leu Asn Ile Arg Ser His Leu Glu Ala Ser Ser Asp Gln Trp Lys
2795 2800 2805

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Pro Ala Val Gln Lys Gln Asn Asp Val His Arg Ala Phe Lys Arg
2840 2845 2850

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2855 2860 2865

Val Arg Ile Phe Leu Thr Glu Gln Pro Leu Glu Gly Leu Glu Lys
2870 2875 2880

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His Leu Glu Lys Val Lys Ala Leu Arg Gly Glu Ile Ala Pro Leu
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Leu Thr Thr Ile Tyr Asp Arg Leu Glu Gln Glu His Asn Asn Leu
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Val Asn Val Pro Leu Cys Val Asp Met Cys Leu Asn Trp Leu Leu
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Cys Asp Gln Arg Arg Leu Gly Leu Leu Leu His Asp Ser Ile Gln
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Ile Pro Arg Gln Leu Gly Glu Val Ala Ser Phe Gly Gly Ser Asn
3245 3250 3255

Ile Glu Pro Ser Val Arg Ser Cys Phe Gln Phe Ala Asn Asn Lys
3260 3265 3270

Pro Glu Ile Glu Ala Ala Leu Phe Leu Asp Trp Met Arg Leu Glu
3275 3280 3285

Pro Gln Ser Met Val Trp Leu Pro Val Leu His Arg Val Ala Ala
3290 3295 3300

Ala Glu Thr Ala Lys His Gln Ala Lys Cys Asn Ile Cys Lys Glu
3305 3310 3315

Cys Pro Ile Ile Gly Phe Arg Tyr Arg Ser Leu Lys His Phe Asn
3320 3325 3330

Tyr Asp Ile Cys Gln Ser Cys Phe Phe Ser Gly Arg Val Ala Lys
3335 3340 3345

Gly His Lys Met His Tyr Pro Met Val Glu Tyr Cys Thr Pro Thr
3350 3355 3360

Thr Ser Gly Glu Asp Val Arg Asp Phe Ala Lys Val Leu Lys Asn
3365 3370 3375

Lys Phe Arg Thr Lys Arg Tyr Phe Ala Lys His Pro Arg Met Gly
3380 3385 3390

Tyr Leu Pro Val Gln Thr Val Leu Glu Gly Asp Asn Met Glu Thr
3395 3400 3405

Pro Val Thr Leu Ile Asn Phe Trp Pro Val Asp Ser Ala Pro Ala
3410 3415 3420

Ser Ser Pro Gln Leu Ser His Asp Asp Thr His Ser Arg Ile Glu
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His Tyr Ala Ser Arg Leu Ala Glu Met Glu Asn Ser Asn Gly Ser
3440 3445 3450

Tyr Leu Asn Asp Ser Ile Ser Pro Asn Glu Ser Ile Asp Asp Glu
3455 3460 3465

His Leu Leu Ile Gln His Tyr Cys Gln Ser Leu Asn Gln Asp Ser
3470 3475 3480

Pro Leu Ser Gln Pro Arg Ser Pro Ala Gln Ile Leu Ile Ser Leu
3485 3490 3495

Glu Ser Glu Glu Arg Gly Glu Leu Glu Arg Ile Leu Ala Asp Leu

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Gln Gln His Glu His Lys Gly Leu Ser Pro Leu Pro Ser Pro Pro
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Glu Met Met Pro Thr Ser Pro Gln Ser Pro Arg Asp Ala Glu Leu
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Ile Ala Glu Ala Lys Leu Leu Arg Gln His Lys Gly Arg Leu Glu
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Ala Arg Met Gln Ile Leu Glu Asp His Asn Lys Gln Leu Glu Ser
3575 3580 3585

Gln Leu His Arg Leu Arg Gln Leu Leu Glu Gln Pro Gln Ala Glu
3590 3595 3600

Ala Lys Val Asn Gly Thr Thr Val Ser Ser Pro Ser Thr Ser Leu
3605 3610 3615

Gln Arg Ser Asp Ser Ser Gln Pro Met Leu Leu Arg Val Val Gly
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Ser Gln Thr Ser Asp Ser Met Gly Glu Glu Asp Leu Leu Ser Pro
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Pro Gln Asp Thr Ser Thr Gly Leu Glu Glu Val Met Glu Gln Leu
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gggcuuggac agaacuuacc gacuggcuuu cucugcuuga ucaaguuaua aaaucacaga 180

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