LISTADO DE SECUENCIAS

<110> Baxalta Incorporated
Baxalta GmbH
Chapman, Miranda
Ewenstein, Bruce
Ploder, Bettina

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<140> US 16/030,653
<141> 2018-07-09

<150> US 62/530,024
<151> 2017-07-07

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Ser Ser Arg Leu Ser Glu Ala Glu Phe Glu Val Leu Lys Ala Phe
1265 1270 1275

Val Val Asp Met Met Glu Arg Leu Arg Ile Ser Gln Lys Trp Val
1280 1285 1290

Arg Val Ala Val Val Glu Tyr His Asp Gly Ser His Ala Tyr Ile
1295 1300 1305

Gly Leu Lys Asp Arg Lys Arg Pro Ser Glu Leu Arg Arg Ile Ala
1310 1315 1320

Ser Gln Val Lys Tyr Ala Gly Ser Gln Val Ala Ser Thr Ser Glu
1325 1330 1335

Val Leu Lys Tyr Thr Leu Phe Gln Ile Phe Ser Lys Ile Asp Arg
1340 1345 1350

Pro Glu Ala Ser Arg Ile Thr Leu Leu Leu Met Ala Ser Gln Glu
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Pro Gln Arg Met Ser Arg Asn Phe Val Arg Tyr Val Gln Gly Leu
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Lys Lys Lys Lys Val Ile Val Ile Pro Val Gly Ile Gly Pro His
1385 1390 1395

Ala Asn Leu Lys Gln Ile Arg Leu Ile Glu Lys Gln Ala Pro Glu
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Asn Lys Ala Phe Val Leu Ser Ser Val Asp Glu Leu Glu Gln Gln
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Arg Asp Glu Ile Val Ser Tyr Leu Cys Asp Leu Ala Pro Glu Ala
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Pro Pro Pro Thr Leu Pro Pro Asp Met Ala Gln Val Thr Val Gly
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Pro Gly Leu Leu Gly Val Ser Thr Leu Gly Pro Lys Arg Asn Ser
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Met Val Leu Asp Val Ala Phe Val Leu Glu Gly Ser Asp Lys Ile
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Gly Glu Ala Asp Phe Asn Arg Ser Lys Glu Phe Met Glu Glu Val
1490 1495 1500

Ile Gln Arg Met Asp Val Gly Gln Asp Ser Ile His Val Thr Val
1505 1510 1515

Leu Gln Tyr Ser Tyr Met Val Thr Val Glu Tyr Pro Phe Ser Glu
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Ala Gln Ser Lys Gly Asp Ile Leu Gln Arg Val Arg Glu Ile Arg
1535 1540 1545

Tyr Gln Gly Gly Asn Arg Thr Asn Thr Gly Leu Ala Leu Arg Tyr
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Leu Ser Asp His Ser Phe Leu Val Ser Gln Gly Asp Arg Glu Gln
1565 1570 1575

Ala Pro Asn Leu Val Tyr Met Val Thr Gly Asn Pro Ala Ser Asp
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Glu Ile Lys Arg Leu Pro Gly Asp Ile Gln Val Val Pro Ile Gly
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Val Gly Pro Asn Ala Asn Val Gln Glu Leu Glu Arg Ile Gly Trp
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Pro Asn Ala Pro Ile Leu Ile Gln Asp Phe Glu Thr Leu Pro Arg
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Glu Ala Pro Asp Leu Val Leu Gln Arg Cys Cys Ser Gly Glu Gly
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Leu Gln Ile Pro Thr Leu Ser Pro Ala Pro Asp Cys Ser Gln Pro
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Leu Asp Val Ile Leu Leu Leu Asp Gly Ser Ser Ser Phe Pro Ala
1670 1675 1680

Ser Tyr Phe Asp Glu Met Lys Ser Phe Ala Lys Ala Phe Ile Ser
1685 1690 1695

Lys Ala Asn Ile Gly Pro Arg Leu Thr Gln Val Ser Val Leu Gln
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Tyr Gly Ser Ile Thr Thr Ile Asp Val Pro Trp Asn Val Val Pro
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Glu Lys Ala His Leu Leu Ser Leu Val Asp Val Met Gln Arg Glu
1730 1735 1740

Gly Gly Pro Ser Gln Ile Gly Asp Ala Leu Gly Phe Ala Val Arg
1745 1750 1755

Tyr Leu Thr Ser Glu Met His Gly Ala Arg Pro Gly Ala Ser Lys
1760 1765 1770

Ala Val Val Ile Leu Val Thr Asp Val Ser Val Asp Ser Val Asp
1775 1780 1785

Ala Ala Ala Asp Ala Ala Arg Ser Asn Arg Val Thr Val Phe Pro
1790 1795 1800

Ile Gly Ile Gly Asp Arg Tyr Asp Ala Ala Gln Leu Arg Ile Leu
1805 1810 1815

Ala Gly Pro Ala Gly Asp Ser Asn Val Val Lys Leu Gln Arg Ile
1820 1825 1830

Glu Asp Leu Pro Thr Met Val Thr Leu Gly Asn Ser Phe Leu His
1835 1840 1845

Lys Leu Cys Ser Gly Phe Val Arg Ile Cys Met Asp Glu Asp Gly
1850 1855 1860

Asn Glu Lys Arg Pro Gly Asp Val Trp Thr Leu Pro Asp Gln Cys
1865 1870 1875

His Thr Val Thr Cys Gln Pro Asp Gly Gln Thr Leu Leu Lys Ser
1880 1885 1890

His Arg Val Asn Cys Asp Arg Gly Leu Arg Pro Ser Cys Pro Asn
1895 1900 1905

Ser Gln Ser Pro Val Lys Val Glu Glu Thr Cys Gly Cys Arg Trp
1910 1915 1920

Thr Cys Pro Cys Val Cys Thr Gly Ser Ser Thr Arg His Ile Val
1925 1930 1935

Thr Phe Asp Gly Gln Asn Phe Lys Leu Thr Gly Ser Cys Ser Tyr
1940 1945 1950

Val Leu Phe Gln Asn Lys Glu Gln Asp Leu Glu Val Ile Leu His
1955 1960 1965

Asn Gly Ala Cys Ser Pro Gly Ala Arg Gln Gly Cys Met Lys Ser
1970 1975 1980

Ile Glu Val Lys His Ser Ala Leu Ser Val Glu Leu His Ser Asp
1985 1990 1995

Met Glu Val Thr Val Asn Gly Arg Leu Val Ser Val Pro Tyr Val
2000 2005 2010

Gly Gly Asn Met Glu Val Asn Val Tyr Gly Ala Ile Met His Glu
2015 2020 2025

Val Arg Phe Asn His Leu Gly His Ile Phe Thr Phe Thr Pro Gln
2030 2035 2040

Asn Asn Glu Phe Gln Leu Gln Leu Ser Pro Lys Thr Phe Ala Ser
2045 2050 2055

Lys Thr Tyr Gly Leu Cys Gly Ile Cys Asp Glu Asn Gly Ala Asn
2060 2065 2070

Asp Phe Met Leu Arg Asp Gly Thr Val Thr Thr Asp Trp Lys Thr
2075 2080 2085

Leu Val Gln Glu Trp Thr Val Gln Arg Pro Gly Gln Thr Cys Gln
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Pro Glu Gln Cys Leu Val Pro Asp Ser Ser His Cys Gln Val Leu
2105 2110 2115

Leu Leu Pro Leu Phe Ala Glu Cys His Lys Val Leu Ala Pro Ala
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Thr Phe Tyr Ala Ile Cys Gln Gln Asp Ser Cys His Gln Glu Gln
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Cys Pro Pro Ser Leu Val Tyr Asn His Cys Glu His Gly Cys Pro
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Tyr Glu Cys Val Cys Asp Pro Val Ser Cys Asp Leu Pro Pro Val
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Pro His Cys Glu Arg Gly Leu Gln Pro Thr Leu Thr Asn Pro Gly
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Glu Cys Arg Pro Asn Phe Thr Cys Ala Cys Arg Lys Glu Glu Cys
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Lys Arg Val Ser Pro Pro Ser Cys Pro Pro His Arg Leu Pro Thr
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Leu Arg Lys Thr Gln Cys Cys Asp Glu Tyr Glu Cys Ala Cys Asn
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Cys Val Asn Ser Thr Val Ser Cys Pro Leu Gly Tyr Leu Ala Ser
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Thr Ala Thr Asn Asp Cys Gly Cys Thr Thr Thr Thr Cys Leu Pro
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Asp Ala Val Met Gly Leu Arg Val Ala Gln Cys Ser Gln Lys Pro
2435 2440 2445

Cys Glu Asp Ser Cys Arg Ser Gly Phe Thr Tyr Val Leu His Glu
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Thr Gly Ser Pro Arg Gly Asp Ser Gln Ser Ser Trp Lys Ser Val
2480 2485 2490

Gly Ser Gln Trp Glu Asn Pro Cys Leu Ile Asn Glu Cys Val Arg
2495 2500 2505

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

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Pro Thr Arg Thr Glu Pro Met Gln His Cys Thr Asn Gly Ser Val
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Asp Leu Glu Cys Met Ser Met Gly Cys Val Ser Gly Cys Leu Cys Pro
35 40 45

Pro Gly Met Val Arg His Glu Asn Arg Cys Val Ala Leu Glu Arg Cys
50 55 60

Pro Cys Phe His Gln Gly Lys Glu Tyr Ala Pro Gly Glu Thr Val Lys
65 70 75 80

Ile Gly Cys Asn Thr Cys Val Cys Arg Asp Arg Lys Trp Asn Cys Thr
85 90 95

Asp His Val Cys Asp Ala Thr Cys Ser Thr Ile Gly Met Ala His Tyr
100 105 110

Leu Thr Phe Asp Gly Leu Lys Tyr Leu Phe Pro Gly Glu Cys Gln Tyr
115 120 125

Val Leu Val Gln Asp Tyr Cys Gly Ser Asn Pro Gly Thr Phe Arg Ile
130 135 140

Leu Val Gly Asn Lys Gly Cys Ser His Pro Ser Val Lys Cys Lys Lys
145 150 155 160

Arg Val Thr Ile Leu Val Glu Gly Gly Glu Ile Glu Leu Phe Asp Gly
165 170 175

Glu Val Asn Val Lys Arg Pro Met Lys Asp Glu Thr His Phe Glu Val

180 185 190

Val Glu Ser Gly Arg Tyr Ile Ile Leu Leu Leu Gly Lys Ala Leu Ser
195 200 205

Val Val Trp Asp Arg His Leu Ser Ile Ser Val Val Leu Lys Gln Thr
210 215 220

Tyr Gln Glu Lys Val Cys Gly Leu Cys Gly Asn Phe Asp Gly Ile Gln
225 230 235 240

Asn Asn Asp Leu Thr Ser Ser Asn Leu Gln Val Glu Glu Asp Pro Val
245 250 255

Asp Phe Gly Asn Ser Trp Lys Val Ser Ser Gln Cys Ala Asp Thr Arg
260 265 270

Lys Val Pro Leu Asp Ser Ser Pro Ala Thr Cys His Asn Asn Ile Met
275 280 285

Lys Gln Thr Met Val Asp Ser Ser Cys Arg Ile Leu Thr Ser Asp Val
290 295 300

Phe Gln Asp Cys Asn Lys Leu Val Asp Pro Glu Pro Tyr Leu Asp Val
305 310 315 320

Cys Ile Tyr Asp Thr Cys Ser Cys Glu Ser Ile Gly Asp Cys Ala Cys
325 330 335

Phe Cys Asp Thr Ile Ala Ala Tyr Ala His Val Cys Ala Gln His Gly
340 345 350

Lys Val Val Thr Trp Arg Thr Ala Thr Leu Cys Pro Gln Ser Cys Glu
355 360 365

Glu Arg Asn Leu Arg Glu Asn Gly Tyr Glu Cys Glu Trp Arg Tyr Asn
370 375 380

Ser Cys Ala Pro Ala Cys Gln Val Thr Cys Gln His Pro Glu Pro Leu
385 390 395 400

Ala Cys Pro Val Gln Cys Val Glu Gly Cys His Ala His Cys Pro Pro
405 410 415

Gly Lys Ile Leu Asp Glu Leu Leu Gln Thr Cys Val Asp Pro Glu Asp
420 425 430

Cys Pro Val Cys Glu Val Ala Gly Arg Arg Phe Ala Ser Gly Lys Lys
435 440 445

Val Thr Leu Asn Pro Ser Asp Pro Glu His Cys Gln Ile Cys His Cys
450 455 460

Asp Val Val Asn Leu Thr Cys Glu Ala Cys Gln Glu Pro Gly Gly Leu

465 470 475 480

Val Val Pro Pro Thr Asp Ala Pro Val Ser Pro Thr Thr Leu Tyr Val
485 490 495

Glu Asp Ile Ser Glu Pro Pro Leu His Asp Phe Tyr Cys Ser Arg Leu
500 505 510

Leu Asp Leu Val Phe Leu Leu Asp Gly Ser Ser Arg Leu Ser Glu Ala
515 520 525

Glu Phe Glu Val Leu Lys Ala Phe Val Val Asp Met Met Glu Arg Leu
530 535 540

Arg Ile Ser Gln Lys Trp Val Arg Val Ala Val Val Glu Tyr His Asp
545 550 555 560

Gly Ser His Ala Tyr Ile Gly Leu Lys Asp Arg Lys Arg Pro Ser Glu
565 570 575

Leu Arg Arg Ile Ala Ser Gln Val Lys Tyr Ala Gly Ser Gln Val Ala
580 585 590

Ser Thr Ser Glu Val Leu Lys Tyr Thr Leu Phe Gln Ile Phe Ser Lys
595 600 605

Ile Asp Arg Pro Glu Ala Ser Arg Ile Thr Leu Leu Leu Met Ala Ser
610 615 620

Gln Glu Pro Gln Arg Met Ser Arg Asn Phe Val Arg Tyr Val Gln Gly
625 630 635 640

Leu Lys Lys Lys Lys Val Ile Val Ile Pro Val Gly Ile Gly Pro His
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Ala Asn Leu Lys Gln Ile Arg Leu Ile Glu Lys Gln Ala Pro Glu Asn
660 665 670

Lys Ala Phe Val Leu Ser Ser Val Asp Glu Leu Glu Gln Gln Arg Asp
675 680 685

Glu Ile Val Ser Tyr Leu Cys Asp Leu Ala Pro Glu Ala Pro Pro Pro
690 695 700

Thr Leu Pro Pro Asp Met Ala Gln Val Thr Val Gly Pro Gly Leu Leu
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Gly Val Ser Thr Leu Gly Pro Lys Arg Asn Ser Met Val Leu Asp Val
725 730 735

Ala Phe Val Leu Glu Gly Ser Asp Lys Ile Gly Glu Ala Asp Phe Asn
740 745 750

Arg Ser Lys Glu Phe Met Glu Glu Val Ile Gln Arg Met Asp Val Gly

755 760 765

Gln Asp Ser Ile His Val Thr Val Leu Gln Tyr Ser Tyr Met Val Thr
770 775 780

Val Glu Tyr Pro Phe Ser Glu Ala Gln Ser Lys Gly Asp Ile Leu Gln
785 790 795 800

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Leu Ala Leu Arg Tyr Leu Ser Asp His Ser Phe Leu Val Ser Gln Gly
820 825 830

Asp Arg Glu Gln Ala Pro Asn Leu Val Tyr Met Val Thr Gly Asn Pro
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Ala Ser Asp Glu Ile Lys Arg Leu Pro Gly Asp Ile Gln Val Val Pro
850 855 860

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865 870 875 880

Trp Pro Asn Ala Pro Ile Leu Ile Gln Asp Phe Glu Thr Leu Pro Arg
885 890 895

Glu Ala Pro Asp Leu Val Leu Gln Arg Cys Cys Ser Gly Glu Gly Leu
900 905 910

Gln Ile Pro Thr Leu Ser Pro Ala Pro Asp Cys Ser Gln Pro Leu Asp
915 920 925

Val Ile Leu Leu Leu Asp Gly Ser Ser Ser Phe Pro Ala Ser Tyr Phe
930 935 940

Asp Glu Met Lys Ser Phe Ala Lys Ala Phe Ile Ser Lys Ala Asn Ile
945 950 955 960

Gly Pro Arg Leu Thr Gln Val Ser Val Leu Gln Tyr Gly Ser Ile Thr
965 970 975

Thr Ile Asp Val Pro Trp Asn Val Val Pro Glu Lys Ala His Leu Leu
980 985 990

Ser Leu Val Asp Val Met Gln Arg Glu Gly Gly Pro Ser Gln Ile Gly
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Asp Ala Leu Gly Phe Ala Val Arg Tyr Leu Thr Ser Glu Met His
1010 1015 1020

Gly Ala Arg Pro Gly Ala Ser Lys Ala Val Val Ile Leu Val Thr
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Asp Val Ser Val Asp Ser Val Asp Ala Ala Ala Asp Ala Ala Arg

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Ser Asn Arg Val Thr Val Phe Pro Ile Gly Ile Gly Asp Arg Tyr
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Asn Val Val Lys Leu Gln Arg Ile Glu Asp Leu Pro Thr Met Val
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Thr Leu Gly Asn Ser Phe Leu His Lys Leu Cys Ser Gly Phe Val
1100 1105 1110

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

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Thr Val Thr Thr Asp Trp Lys Thr Leu Val Gln Glu Trp Thr Val
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Leu Val Pro Asp Ser Ser His Cys Gln Val Leu Leu Leu Pro Leu
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Phe Ala Glu Cys His Lys Val Leu Ala Pro Ala Thr Phe Tyr Ala
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Asp Trp Arg Thr Pro Asp Phe Cys Ala Met Ser Cys Pro Pro Ser
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Leu Val Tyr Asn His Cys Glu His Gly Cys Pro Arg His Cys Asp
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Gly Asn Val Ser Ser Cys Gly Asp His Pro Ser Glu Gly Cys Phe
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Cys Pro Pro Asp Lys Val Met Leu Glu Gly Ser Cys Val Pro Glu
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Glu Ala Cys Thr Gln Cys Ile Gly Glu Asp Gly Val Gln His Gln
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Thr Cys Leu Ser Gly Arg Lys Val Asn Cys Thr Thr Gln Pro Cys
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Pro Thr Ala Lys Ala Pro Thr Cys Gly Leu Cys Glu Val Ala Arg
1535 1540 1545

Leu Arg Gln Asn Ala Asp Gln Cys Cys Pro Glu Tyr Glu Cys Val
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Cys Asp Pro Val Ser Cys Asp Leu Pro Pro Val Pro His Cys Glu
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Arg Gly Leu Gln Pro Thr Leu Thr Asn Pro Gly Glu Cys Arg Pro

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1640 1645 1650

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Val His Arg Ser Thr Ile Tyr Pro Val Gly Gln Phe Trp Glu Glu
1670 1675 1680

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1685 1690 1695

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Ala Ser Pro Glu Asn Pro Cys Leu Ile Asn Glu Cys Val Arg Val
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Lys Glu Glu Val Phe Ile Gln Gln Arg Asn Val Ser Cys Pro Gln
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Leu Glu Val Pro Val Cys Pro Ser Gly Phe Gln Leu Ser Cys Lys
1790 1795 1800

Thr Ser Ala Cys Cys Pro Ser Cys Arg Cys Glu Arg Met Glu Ala
1805 1810 1815

Cys Met Leu Asn Gly Thr Val Ile Gly Pro Gly Lys Thr Val Met
1820 1825 1830

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1835 1840 1845

Ile Ser Gly Phe Lys Leu Glu Cys Arg Lys Thr Thr Cys Asn Pro

1850 1855 1860

Cys Pro Leu Gly Tyr Lys Glu Glu Asn Asn Thr Gly Glu Cys Cys
1865 1870 1875

Gly Arg Cys Leu Pro Thr Ala Cys Thr Ile Gln Leu Arg Gly Gly
1880 1885 1890

Gln Ile Met Thr Leu Lys Arg Asp Glu Thr Leu Gln Asp Gly Cys
1895 1900 1905

Asp Thr His Phe Cys Lys Val Asn Glu Arg Gly Glu Tyr Phe Trp
1910 1915 1920

Glu Lys Arg Val Thr Gly Cys Pro Pro Phe Asp Glu His Lys Cys
1925 1930 1935

Leu Ala Glu Gly Gly Lys Ile Met Lys Ile Pro Gly Thr Cys Cys
1940 1945 1950

Asp Thr Cys Glu Glu Pro Glu Cys Asn Asp Ile Thr Ala Arg Leu
1955 1960 1965

Gln Tyr Val Lys Val Gly Ser Cys Lys Ser Glu Val Glu Val Asp
1970 1975 1980

Ile His Tyr Cys Gln Gly Lys Cys Ala Ser Lys Ala Met Tyr Ser
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Ile Asp Ile Asn Asp Val Gln Asp Gln Cys Ser Cys Cys Ser Pro
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Ser Val Val Tyr His Glu Val Leu Asn Ala Met Glu Cys Lys Cys
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