

SEQUENCE LISTING

<110> Spiber Inc.

<120> A meat-like food composition

<130> FP21-0501-00

<150> JP2020-100099

<151> 2020-06-09

<150> JP2020-126650

<151> 2020-07-27

<160> 6

<170> PatentIn version 3.5

<210> 1

<211> 2375

<212> PRT

<213> Artificial Sequence

<220>

<223> PRT799

<400> 1

Met His His His His His His Ser Ser Gly Ser Ser Gly Pro Gly Gln
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Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gln
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Asn Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly Gln Ser Gly Gln Tyr
35 40 45

Gly Pro Gly Gln Gln Gly Pro Gly Gln Gln Gly Pro Gly Ser Ser Ala
50 55 60

Ala Ala Ala Ala Gly Pro Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro
65 70 75 80

Ser Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly
85 90 95

Pro Gly Ala Ser Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln

100

105

110

Gln Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser
 115 120 125

Gly Pro Gly Gln Gln Gly Pro Tyr Gly Ser Ala Ala Ala Ala Gly
 130 135 140

Pro Gly Ser Gly Gln Tyr Gly Gln Gly Pro Tyr Gly Pro Gly Ala Ser
 145 150 155 160

Gly Pro Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala
 165 170 175

Ala Ala Ala Ala Gly Ser Gly Gln Gln Gly Pro Gly Gln Tyr Gly Pro
 180 185 190

Tyr Ala Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly
 195 200 205

Gln Gln Gly Pro Tyr Gly Pro Gly Gln Ser Gly Ser Gly Gln Gln Gly
 210 215 220

Pro Gly Gln Gln Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly Pro
 225 230 235 240

Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala
 245 250 255

Gly Gln Tyr Gly Tyr Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly
 260 265 270

Ala Ser Gly Gln Asn Gly Pro Gly Ser Gly Gln Tyr Gly Pro Gly Gln
 275 280 285

Gln Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala Gly Pro Gly Gln Gln
 290 295 300

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gln Tyr
 305 310 315 320

Gly Pro Gly Gln Gln Gly Pro Gly Gln Tyr Gly Pro Gly Ser Ser Gly
325 330 335

Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala
340 345 350

Ala Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Gln
355 360 365

Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gln Gln Gly Pro Gly Gln Gln
370 375 380

Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly Gln Gln Gly Pro Tyr
385 390 395 400

Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Gln Tyr Gly
405 410 415

Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala Ala Gly Gln
420 425 430

Tyr Gly Ser Gly Pro Gly Gln Tyr Gly Pro Tyr Gly Pro Gly Gln Ser
435 440 445

Gly Pro Gly Ser Gly Gln Gln Gly Gln Gly Pro Tyr Gly Pro Gly Ala
450 455 460

Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro
465 470 475 480

Tyr Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly
485 490 495

Gln Tyr Gly Pro Gly Ala Ser Gly Gln Asn Gly Pro Gly Ser Gly Gln
500 505 510

Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala
515 520 525

Gly Gln Tyr Gln Gln Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly
530 535 540

Ala Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly Gln
545 550 555 560

Gln Gly Pro Tyr Gly Pro Gly Gln Ser Gly Ser Gly Gln Gln Gly Pro
565 570 575

Gly Gln Gln Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly
580 585 590

Ser Gly Gln Gln Gly Pro Gly Ala Ser Gly Gln Gln Gly Pro Tyr Gly
595 600 605

Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gln Asn Gly Pro Gly Ser
610 615 620

Gly Gln Gln Gly Pro Gly Gln Ser Gly Gln Tyr Gly Pro Gly Gln Gln
625 630 635 640

Gly Pro Gly Gln Gln Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly
645 650 655

Pro Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala Ala
660 665 670

Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly Ala Ser Gly
675 680 685

Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln Gln Gly Pro Gly Ser
690 695 700

Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly Gln Gln
705 710 715 720

Gly Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln
725 730 735

Tyr Gly Gln Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly Gln Tyr
740 745 750

Gly Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly
755 760 765

Ser Gly Gln Gln Gly Pro Gly Gln Tyr Gly Pro Tyr Ala Ser Ala Ala
770 775 780

Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly Gln Gln Gly Pro Tyr
785 790 795 800

Gly Pro Gly Gln Ser Gly Ser Gly Gln Gln Gly Pro Gly Gln Gln Gly
805 810 815

Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Gln Gln Gly Pro
820 825 830

Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly Gln Tyr Gly Tyr
835 840 845

Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ala Ser Gly Gln Asn
850 855 860

Gly Pro Gly Ser Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln
865 870 875 880

Ser Ala Ala Ala Ala Ala Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro
885 890 895

Gly Ala Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Pro Gly Gln Gln
900 905 910

Gly Pro Gly Gln Tyr Gly Pro Gly Ser Ser Gly Pro Gly Gln Gln Gly
915 920 925

Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly Gln Tyr Gly
930 935 940

Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Gln Ser Ala Ala Ala Ala

945		950		955		960
Ala Gly Gln Tyr	Gln Gln Gly Pro Gly	Gln Gln Gly Pro Tyr	Gly Pro			
	965		970		975	
Gly Ala Ser	Gly Pro Gly Gln Gln Gly	Pro Tyr Gly Pro	Gly Ala Ser			
	980		985		990	
Ala Ala Ala Ala Ala	Gly Pro Gly	Gln Tyr Gly Pro	Gly Gln Gln Gly			
	995		1000		1005	
Pro Ser	Ala Ser Ala Ala Ala	Ala Ala Gly Gln Tyr	Gly Ser Gly			
	1010		1015		1020	
Pro Gly	Gln Tyr Gly Pro Tyr	Gly Pro Gly Gln Ser	Gly Pro Gly			
	1025		1030		1035	
Ser Gly	Gln Gln Gly Gln Gly	Pro Tyr Gly Pro	Gly Ala Ser Ala			
	1040		1045		1050	
Ala Ala	Ala Ala Gly Gln Tyr	Gly Pro Gly Gln Gln	Gly Pro Tyr			
	1055		1060		1065	
Gly Pro	Gly Gln Ser Ala Ala	Ala Ala Ala Gly Pro	Gly Ser Gly			
	1070		1075		1080	
Gln Tyr	Gly Pro Gly Ala Ser	Gly Gln Asn Gly Pro	Gly Ser Gly			
	1085		1090		1095	
Gln Tyr	Gly Pro Gly Gln Gln	Gly Pro Gly Gln Ser	Ala Ala Ala			
	1100		1105		1110	
Ala Ala	Gly Gln Tyr Gln Gln	Gly Pro Gly Gln Gln	Gly Pro Tyr			
	1115		1120		1125	
Gly Pro	Gly Ala Ser Ala Ala	Ala Ala Ala Gly Gln	Tyr Gly Ser			
	1130		1135		1140	
Gly Pro	Gly Gln Gln Gly Pro	Tyr Gly Pro Gly Gln	Ser Gly Ser			
	1145		1150		1155	

Gly	Gln	Gln	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Ala	Ser	Ala	Ala
1160						1165					1170			
Ala	Ala	Ala	Gly	Pro	Gly	Ser	Gly	Gln	Gln	Gly	Pro	Gly	Ala	Ser
1175						1180					1185			
Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Ala	Ser	Ala	Ala	Ala	Ala
1190						1195					1200			
Ala	Gly	Gln	Asn	Gly	Pro	Gly	Ser	Gly	Gln	Gln	Gly	Pro	Gly	Gln
1205						1210					1215			
Ser	Gly	Gln	Tyr	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Gly	Gln	Gln	Gly
1220						1225					1230			
Pro	Gly	Ser	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Pro	Gly	Gln	Tyr	Gly
1235						1240					1245			
Pro	Gly	Gln	Gln	Gly	Pro	Ser	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly
1250						1255					1260			
Pro	Gly	Ser	Gly	Gln	Gln	Gly	Pro	Gly	Ala	Ser	Gly	Gln	Tyr	Gly
1265						1270					1275			
Pro	Gly	Gln	Gln	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Gly	Ser	Ser	Ala
1280						1285					1290			
Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly	Ser	Gly	Pro	Gly	Gln	Gln	Gly
1295						1300					1305			
Pro	Tyr	Gly	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Pro	Gly	Ser	Gly	Gln
1310						1315					1320			
Tyr	Gly	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Ala	Ser	Gly	Pro	Gly	Gln
1325						1330					1335			
Tyr	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Ser	Ala	Ser	Ala	Ala	Ala	Ala
1340						1345					1350			

Ala Gly Ser Gly Gln Gln Gly Pro Gly Gln Tyr Gly Pro Tyr Ala
1355 1360 1365

Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly Gln
1370 1375 1380

Gln Gly Pro Tyr Gly Pro Gly Gln Ser Gly Ser Gly Gln Gln Gly
1385 1390 1395

Pro Gly Gln Gln Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly
1400 1405 1410

Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala
1415 1420 1425

Ala Ala Gly Gln Tyr Gly Tyr Gly Pro Gly Gln Gln Gly Pro Tyr
1430 1435 1440

Gly Pro Gly Ala Ser Gly Gln Asn Gly Pro Gly Ser Gly Gln Tyr
1445 1450 1455

Gly Pro Gly Gln Gln Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala
1460 1465 1470

Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala
1475 1480 1485

Ala Ala Ala Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln
1490 1495 1500

Tyr Gly Pro Gly Ser Ser Gly Pro Gly Gln Gln Gly Pro Tyr Gly
1505 1510 1515

Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Pro Gly
1520 1525 1530

Gln Gln Gly Pro Tyr Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala
1535 1540 1545

Gly Gln Tyr Gln Gln Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro
1550 1555 1560

Gly Ala Ser Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ala
1565 1570 1575

Ser Ala Ala Ala Ala Gly Pro Gly Gln Tyr Gly Pro Gly Gln
1580 1585 1590

Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Gln Tyr Gly
1595 1600 1605

Ser Gly Pro Gly Gln Tyr Gly Pro Tyr Gly Pro Gly Gln Ser Gly
1610 1615 1620

Pro Gly Ser Gly Gln Gln Gly Gln Gly Pro Tyr Gly Pro Gly Ala
1625 1630 1635

Ser Ala Ala Ala Ala Gly Gln Tyr Gly Pro Gly Gln Gln Gly
1640 1645 1650

Pro Tyr Gly Pro Gly Gln Ser Ala Ala Ala Ala Ala Gly Pro Gly
1655 1660 1665

Ser Gly Gln Tyr Gly Pro Gly Ala Ser Gly Gln Asn Gly Pro Gly
1670 1675 1680

Ser Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln Ser Ala
1685 1690 1695

Ala Ala Ala Ala Gly Gln Tyr Gln Gln Gly Pro Gly Gln Gln Gly
1700 1705 1710

Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gln Tyr
1715 1720 1725

Gly Ser Gly Pro Gly Gln Gln Gly Pro Gly Pro Tyr Gly Pro Gly Gln Ser
1730 1735 1740

Gly Ser Gly Gln Gln Gly Pro Gly Gln Gln Gly Pro Tyr Ala Ser

1745		1750		1755
Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly	1760	1765		1770
Ala Ser Gly Gln Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala	1775	1780		1785
Ala Ala Ala Gly Gln Asn Gly Pro Gly Ser Gly Gln Gln Gly Pro	1790	1795		1800
Gly Gln Ser Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln	1805	1810		1815
Gln Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Pro Gly Gln	1820	1825		1830
Tyr Gly Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala	1835	1840		1845
Ala Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly Ala Ser Gly Gln	1850	1855		1860
Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gln Gln Gly Pro Gly Ser	1865	1870		1875
Ser Ala Ala Ala Ala Ala Gly Gln Tyr Gly Ser Gly Pro Gly Gln	1880	1885		1890
Gln Gly Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser	1895	1900		1905
Gly Gln Tyr Gly Gln Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro	1910	1915		1920
Gly Gln Tyr Gly Pro Gly Gln Gln Gly Pro Ser Ala Ser Ala Ala	1925	1930		1935
Ala Ala Ala Gly Ser Gly Gln Gln Gly Pro Gly Gln Tyr Gly Pro	1940	1945		1950

Tyr	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly	Ser	Gly	Pro
1955						1960					1965			
Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Gln	Ser	Gly	Ser	Gly	Gln
1970						1975					1980			
Gln	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Ala	Ser	Ala	Ala	Ala	Ala
1985						1990					1995			
Ala	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Ser	Ser	Ala
2000						2005					2010			
Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly	Tyr	Gly	Pro	Gly	Gln	Gln	Gly
2015						2020					2025			
Pro	Tyr	Gly	Pro	Gly	Ala	Ser	Gly	Gln	Asn	Gly	Pro	Gly	Ser	Gly
2030						2035					2040			
Gln	Tyr	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Gly	Gln	Ser	Ala	Ala	Ala
2045						2050					2055			
Ala	Ala	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Ala	Ser
2060						2065					2070			
Ala	Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly	Pro	Gly	Gln	Gln	Gly	Pro
2075						2080					2085			
Gly	Gln	Tyr	Gly	Pro	Gly	Ser	Ser	Gly	Pro	Gly	Gln	Gln	Gly	Pro
2090						2095					2100			
Tyr	Gly	Pro	Gly	Ser	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly
2105						2110					2115			
Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Gln	Ser	Ala	Ala	Ala
2120						2125					2130			
Ala	Ala	Gly	Gln	Tyr	Gln	Gln	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr
2135						2140					2145			

Gly	Pro	Gly	Ala	Ser	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro
2150						2155					2160			
Gly	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Pro	Gly	Gln	Tyr	Gly	Pro
2165						2170					2175			
Gly	Gln	Gln	Gly	Pro	Ser	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Gln
2180						2185					2190			
Tyr	Gly	Ser	Gly	Pro	Gly	Gln	Tyr	Gly	Pro	Tyr	Gly	Pro	Gly	Gln
2195						2200					2205			
Ser	Gly	Pro	Gly	Ser	Gly	Gln	Gln	Gly	Gln	Gly	Pro	Tyr	Gly	Pro
2210						2215					2220			
Gly	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gly	Pro	Gly	Gln
2225						2230					2235			
Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Gln	Ser	Ala	Ala	Ala	Ala	Ala	Gly
2240						2245					2250			
Pro	Gly	Ser	Gly	Gln	Tyr	Gly	Pro	Gly	Ala	Ser	Gly	Gln	Asn	Gly
2255						2260					2265			
Pro	Gly	Ser	Gly	Gln	Tyr	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Gly	Gln
2270						2275					2280			
Ser	Ala	Ala	Ala	Ala	Ala	Gly	Gln	Tyr	Gln	Gln	Gly	Pro	Gly	Gln
2285						2290					2295			
Gln	Gly	Pro	Tyr	Gly	Pro	Gly	Ala	Ser	Ala	Ala	Ala	Ala	Ala	Gly
2300						2305					2310			
Gln	Tyr	Gly	Ser	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr	Gly	Pro	Gly
2315						2320					2325			
Gln	Ser	Gly	Ser	Gly	Gln	Gln	Gly	Pro	Gly	Gln	Gln	Gly	Pro	Tyr
2330						2335					2340			

Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly
 2345 2350 2355

Ser Ser Val Asp Lys Leu Ala Ala Ala Leu Glu His His His His
 2360 2365 2370

His His
 2375

<210> 2
 <211> 1190
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> PRT966

<400> 2

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Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile
 20 25 30

Asn Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Ile Ser Gly Ile Tyr
 35 40 45

Gly Pro Gly Val Phe Gly Pro Gly Val Phe Gly Pro Gly Ser Ser Ala
 50 55 60

Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
 65 70 75 80

Ser Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Val Phe Gly
 85 90 95

Pro Gly Ala Ser Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Val
 100 105 110

Phe Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly Ile Tyr Gly Ser
 115 120 125

Gly Pro Gly Val Phe Gly Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly
130 135 140

Pro Gly Ser Gly Ile Tyr Gly Ile Gly Pro Tyr Gly Pro Gly Ala Ser
145 150 155 160

Gly Pro Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Ser Ala Ser Ala
165 170 175

Ala Ala Ala Ala Gly Ser Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro
180 185 190

Tyr Ala Ser Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly
195 200 205

Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser Gly Ser Gly Val Phe Gly
210 215 220

Pro Gly Val Phe Gly Pro Tyr Ala Ser Ala Ala Ala Ala Gly Pro
225 230 235 240

Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala
245 250 255

Gly Ile Tyr Gly Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly
260 265 270

Ala Ser Gly Ile Asn Gly Pro Gly Ser Gly Ile Tyr Gly Pro Gly Val
275 280 285

Phe Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly Val Phe
290 295 300

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Ile Tyr
305 310 315 320

Gly Pro Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro Gly Ser Ser Gly
325 330 335

Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala
340 345 350

Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile
355 360 365

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Val Phe Gly Pro Gly Val Phe
370 375 380

Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly Val Phe Gly Pro Tyr
385 390 395 400

Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly
405 410 415

Pro Gly Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Ile
420 425 430

Tyr Gly Ser Gly Pro Gly Ile Tyr Gly Pro Tyr Gly Pro Gly Ile Ser
435 440 445

Gly Pro Gly Ser Gly Val Phe Gly Ile Gly Pro Tyr Gly Pro Gly Ala
450 455 460

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
465 470 475 480

Tyr Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly
485 490 495

Ile Tyr Gly Pro Gly Ala Ser Gly Ile Asn Gly Pro Gly Ser Gly Ile
500 505 510

Tyr Gly Pro Gly Val Phe Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala
515 520 525

Gly Ile Tyr Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly
530 535 540

Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly Val

545		550		555		560
Phe Gly Pro Tyr	Gly Pro Gly Ile Ser	Gly Ser Gly Val	Phe Gly Pro			
	565	570	575			
Gly Val Phe Gly	Pro Tyr Ala Ser	Ala Ala Ala Ala	Gly Pro Gly			
	580	585	590			
Ser Gly Val Phe	Gly Pro Gly Ala	Ser Gly Pro Gly	Val Phe Gly Pro			
	595	600	605			
Tyr Gly Pro Gly	Ala Ser Ala Ala	Ala Ala Gly Ile	Asn Gly Pro			
	610	615	620			
Gly Ser Gly Val	Phe Gly Pro Gly	Ile Ser Gly Ile	Tyr Gly Pro Gly			
	625	630	635			640
Val Phe Gly Pro	Gly Val Phe Gly	Pro Gly Ser Ser	Ala Ala Ala Ala			
	645	650	655			
Ala Gly Pro Gly	Ile Tyr Gly Pro	Gly Val Phe Gly	Pro Ser Ala Ser			
	660	665	670			
Ala Ala Ala Ala	Ala Gly Pro Gly	Ser Gly Val Phe	Gly Pro Gly Ala			
	675	680	685			
Ser Gly Ile Tyr	Gly Pro Gly Val	Phe Gly Pro Gly	Val Phe Gly Pro			
	690	695	700			
Gly Ser Ser Ala	Ala Ala Ala Gly	Ile Tyr Gly Ser	Gly Pro Gly			
	705	710	715			720
Val Phe Gly Pro	Tyr Gly Ser Ala	Ala Ala Ala Gly	Pro Gly Ser			
	725	730	735			
Gly Ile Tyr Gly	Ile Gly Pro Tyr	Gly Pro Gly Ala	Ser Gly Pro Gly			
	740	745	750			
Ile Tyr Gly Pro	Gly Val Phe Gly	Pro Ser Ala Ser	Ala Ala Ala Ala			
	755	760	765			

Ala Gly Ser Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro Tyr Ala Ser
770 775 780

Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly Val Phe Gly
785 790 795 800

Pro Tyr Gly Pro Gly Ile Ser Gly Ser Gly Val Phe Gly Pro Gly Val
805 810 815

Phe Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Val Phe
820 825 830

Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly Ile Tyr
835 840 845

Gly Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ala Ser Gly
850 855 860

Ile Asn Gly Pro Gly Ser Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
865 870 875 880

Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly Val Phe Gly Pro Tyr
885 890 895

Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Ile Tyr Gly Pro Gly
900 905 910

Val Phe Gly Pro Gly Ile Tyr Gly Pro Gly Ser Ser Gly Pro Gly Val
915 920 925

Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Ile
930 935 940

Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser Ala Ala
945 950 955 960

Ala Ala Ala Gly Ile Tyr Val Phe Gly Pro Gly Val Phe Gly Pro Tyr
965 970 975

Gly Pro Gly Ala Ser Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly
980 985 990

Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly Pro Gly Val
995 1000 1005

Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly
1010 1015 1020

Ser Gly Pro Gly Ile Tyr Gly Pro Tyr Gly Pro Gly Ile Ser Gly
1025 1030 1035

Pro Gly Ser Gly Val Phe Gly Ile Gly Pro Tyr Gly Pro Gly Ala
1040 1045 1050

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly
1055 1060 1065

Pro Tyr Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly
1070 1075 1080

Ser Gly Ile Tyr Gly Pro Gly Ala Ser Gly Ile Asn Gly Pro Gly
1085 1090 1095

Ser Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Ile Ser Ala
1100 1105 1110

Ala Ala Ala Ala Gly Ile Tyr Val Phe Gly Pro Gly Val Phe Gly
1115 1120 1125

Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr
1130 1135 1140

Gly Ser Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser
1145 1150 1155

Gly Ser Gly Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Ala Ser
1160 1165 1170

Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Val Phe Gly Pro Gly
 1175 1180 1185

Ala Ser
 1190

<210> 3
 <211> 601
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> PRT918

<400> 3

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Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile
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Asn Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Ile Ser Gly Ile Tyr
 35 40 45

Gly Pro Gly Val Phe Gly Pro Gly Val Phe Gly Pro Gly Ser Ser Ala
 50 55 60

Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
 65 70 75 80

Ser Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Val Phe Gly
 85 90 95

Pro Gly Ala Ser Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Val
 100 105 110

Phe Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser
 115 120 125

Gly Pro Gly Val Phe Gly Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly
 130 135 140

Pro Gly Ser Gly Ile Tyr Gly Ile Gly Pro Tyr Gly Pro Gly Ala Ser
 145 150 155 160

Gly Pro Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Ser Ala Ser Ala
 165 170 175

Ala Ala Ala Ala Gly Ser Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro
 180 185 190

Tyr Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly
 195 200 205

Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser Gly Ser Gly Val Phe Gly
 210 215 220

Pro Gly Val Phe Gly Pro Tyr Ala Ser Ala Ala Ala Ala Gly Pro
 225 230 235 240

Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala
 245 250 255

Gly Ile Tyr Gly Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly
 260 265 270

Ala Ser Gly Ile Asn Gly Pro Gly Ser Gly Ile Tyr Gly Pro Gly Val
 275 280 285

Phe Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly Val Phe
 290 295 300

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Ile Tyr
 305 310 315 320

Gly Pro Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro Gly Ser Ser Gly
 325 330 335

Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala
 340 345 350

Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile
355 360 365

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Val Phe Gly Pro Gly Val Phe
370 375 380

Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly Val Phe Gly Pro Tyr
385 390 395 400

Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly
405 410 415

Pro Gly Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Ile
420 425 430

Tyr Gly Ser Gly Pro Gly Ile Tyr Gly Pro Tyr Gly Pro Gly Ile Ser
435 440 445

Gly Pro Gly Ser Gly Val Phe Gly Ile Gly Pro Tyr Gly Pro Gly Ala
450 455 460

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
465 470 475 480

Tyr Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly
485 490 495

Ile Tyr Gly Pro Gly Ala Ser Gly Ile Asn Gly Pro Gly Ser Gly Ile
500 505 510

Tyr Gly Pro Gly Val Phe Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala
515 520 525

Gly Ile Tyr Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly
530 535 540

Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly Val
545 550 555 560

Phe Gly Pro Tyr Gly Pro Gly Ile Ser Gly Ser Gly Val Phe Gly Pro

565

570

575

Gly Val Phe Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly
 580 585 590

Ser Gly Val Phe Gly Pro Gly Ala Ser
 595 600

<210> 4

<211> 608

<212> PRT

<213> Artificial Sequence

<220>

<223> PRT313

<400> 4

Met His His His His His His Ser Ser Gly Ser Ser Gly Pro Gly Gly
 1 5 10 15

Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gly
 20 25 30

Asn Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly Gly Ser Ala Ala Ala
 35 40 45

Ala Ala Gly Gly Tyr Gly Pro Gly Gly Gln Gly Pro Gly Gln Gln Gly
 50 55 60

Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Pro Gly Gly Tyr Gly Pro
 65 70 75 80

Gly Gly Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly
 85 90 95

Ser Gly Gln Gln Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gly
 100 105 110

Tyr Gly Pro Gly Gly Gln Gly Pro Gly Gln Gln Gly Pro Gly Ser Ser
 115 120 125

Ala Ala Ala Ala Ala Gly Gly Tyr Gly Ser Gly Pro Gly Gln Gln Gly
130 135 140

Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Gly Tyr
145 150 155 160

Gly Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly
165 170 175

Pro Gly Gly Tyr Gly Pro Gly Gly Gln Gly Pro Ser Ala Ser Ala Ala
180 185 190

Ala Ala Ala Gly Ser Gly Gln Gln Gly Pro Gly Gly Tyr Gly Pro Tyr
195 200 205

Ala Ser Ala Ala Ala Ala Ala Gly Gly Tyr Gly Ser Gly Pro Gly Gln
210 215 220

Gln Gly Pro Tyr Gly Pro Gly Gly Ser Ala Ala Ala Ala Ala Gly Ser
225 230 235 240

Gly Gln Gln Gly Pro Gly Gln Gln Gly Pro Tyr Ala Ser Ala Ala Ala
245 250 255

Ala Ala Gly Pro Gly Gly Gln Gly Pro Tyr Gly Pro Gly Ser Ser Ala
260 265 270

Ala Ala Ala Ala Gly Gly Tyr Gly Tyr Gly Pro Gly Gly Gln Gly Pro
275 280 285

Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gly Asn Gly Pro
290 295 300

Gly Ser Gly Gly Tyr Gly Pro Gly Gln Gln Gly Pro Gly Gly Ser Ala
305 310 315 320

Ala Ala Ala Ala Gly Pro Gly Gly Gln Gly Pro Tyr Gly Pro Gly Ala
325 330 335

Ser Ala Ala Ala Ala Ala Gly Gly Tyr Gly Pro Gly Gly Gln Gly Pro

340

345

350

Gly Gly Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Pro Gly
 355 360 365

Gly Gln Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly
 370 375 380

Gly Tyr Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Gly Ser Ala
 385 390 395 400

Ala Ala Ala Ala Gly Gly Tyr Gln Gln Gly Pro Gly Gly Gln Gly Pro
 405 410 415

Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Pro Gly Gly Gln
 420 425 430

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly
 435 440 445

Gly Tyr Gly Pro Gly Gly Gln Gly Pro Ser Ala Ser Ala Ala Ala Ala
 450 455 460

Ala Gly Gly Tyr Gly Ser Gly Pro Gly Gly Tyr Gly Pro Tyr Gly Pro
 465 470 475 480

Gly Gly Ser Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly
 485 490 495

Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Gly
 500 505 510

Tyr Gly Pro Gly Gln Gln Gly Pro Tyr Gly Pro Gly Gly Ser Ala Ala
 515 520 525

Ala Ala Ala Gly Pro Gly Ser Gly Gly Tyr Gly Pro Gly Ala Ser Ala
 530 535 540

Ala Ala Ala Ala Gly Gly Asn Gly Pro Gly Ser Gly Gly Tyr Gly Pro
 545 550 555 560

Gly Gln Gln Gly Pro Gly Gly Ser Ala Ala Ala Ala Ala Gly Gly Tyr
565 570 575

Gln Gln Gly Pro Gly Gly Gln Gly Pro Tyr Gly Pro Gly Ala Ser Ala
580 585 590

Ala Ala Ala Ala Gly Pro Gly Ser Gly Gln Gln Gly Pro Gly Ala Ser
595 600 605

<210> 5
<211> 608
<212> PRT
<213> Artificial Sequence

<220>
<223> PRT1181

<400> 5

Met His His His His His His Ser Ser Gly Ser Ser Gly Pro Gly Val
1 5 10 15

Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile
20 25 30

Asn Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Ile Ser Ala Ala Ala
35 40 45

Ala Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Val Phe Gly
50 55 60

Pro Gly Ser Ser Ala Ala Ala Ala Gly Pro Gly Ile Tyr Gly Pro
65 70 75 80

Gly Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Pro Gly
85 90 95

Ser Gly Val Phe Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile
100 105 110

Tyr Gly Pro Gly Val Phe Gly Pro Gly Val Phe Gly Pro Gly Ser Ser

115

120

125

Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly Val Phe Gly
 130 135 140

Pro Tyr Gly Ser Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Ile Tyr
 145 150 155 160

Gly Ile Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly
 165 170 175

Pro Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Ser Ala Ser Ala Ala
 180 185 190

Ala Ala Ala Gly Ser Gly Val Phe Gly Pro Gly Ile Tyr Gly Pro Tyr
 195 200 205

Ala Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Ser Gly Pro Gly Val
 210 215 220

Phe Gly Pro Tyr Gly Pro Gly Ile Ser Ala Ala Ala Ala Ala Gly Ser
 225 230 235 240

Gly Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Ala Ser Ala Ala Ala
 245 250 255

Ala Ala Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala
 260 265 270

Ala Ala Ala Ala Gly Ile Tyr Gly Tyr Gly Pro Gly Val Phe Gly Pro
 275 280 285

Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile Asn Gly Pro
 290 295 300

Gly Ser Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Ile Ser Ala
 305 310 315 320

Ala Ala Ala Ala Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ala
 325 330 335

Ser Ala Ala Ala Ala Ala Gly Ile Tyr Gly Pro Gly Val Phe Gly Pro
340 345 350

Gly Ile Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala Gly Pro Gly
355 360 365

Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly
370 375 380

Ile Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser Ala
385 390 395 400

Ala Ala Ala Ala Gly Ile Tyr Val Phe Gly Pro Gly Val Phe Gly Pro
405 410 415

Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Pro Gly Val Phe
420 425 430

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Pro Gly
435 440 445

Ile Tyr Gly Pro Gly Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala
450 455 460

Ala Gly Ile Tyr Gly Ser Gly Pro Gly Ile Tyr Gly Pro Tyr Gly Pro
465 470 475 480

Gly Ile Ser Ala Ala Ala Ala Gly Pro Gly Ser Gly Val Phe Gly
485 490 495

Ile Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Ile
500 505 510

Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ile Ser Ala Ala
515 520 525

Ala Ala Ala Gly Pro Gly Ser Gly Ile Tyr Gly Pro Gly Ala Ser Ala
530 535 540

Ala Ala Ala Ala Gly Ile Asn Gly Pro Gly Ser Gly Ile Tyr Gly Pro
 545 550 555 560

Gly Val Phe Gly Pro Gly Ile Ser Ala Ala Ala Ala Gly Ile Tyr
 565 570 575

Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala
 580 585 590

Ala Ala Ala Ala Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Ala Ser
 595 600 605

<210> 6
 <211> 636
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> PRT1010

<400> 6

Met His His His His His His Ser Ser Gly Ser Ser Gly Pro Gly Val
 1 5 10 15

Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Gly Leu
 20 25 30

Ile Asn Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Leu Ile Ser Gly
 35 40 45

Leu Ile Tyr Gly Pro Gly Val Phe Gly Pro Gly Val Phe Gly Pro Gly
 50 55 60

Ser Ser Ala Ala Ala Ala Ala Gly Pro Gly Leu Ile Tyr Gly Pro Gly
 65 70 75 80

Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Pro Gly Ser
 85 90 95

Gly Val Phe Gly Pro Gly Ala Ser Gly Leu Ile Tyr Gly Pro Gly Val
 100 105 110

Phe Gly Pro Gly Val Phe Gly Pro Gly Ser Ser Ala Ala Ala Ala Ala
115 120 125

Gly Leu Ile Tyr Gly Ser Gly Pro Gly Val Phe Gly Pro Tyr Gly Ser
130 135 140

Ala Ala Ala Ala Ala Gly Pro Gly Ser Gly Leu Ile Tyr Gly Leu Ile
145 150 155 160

Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly Leu Ile Tyr Gly Pro
165 170 175

Gly Val Phe Gly Pro Ser Ala Ser Ala Ala Ala Ala Gly Ser Gly
180 185 190

Val Phe Gly Pro Gly Leu Ile Tyr Gly Pro Tyr Ala Ser Ala Ala Ala
195 200 205

Ala Ala Gly Leu Ile Tyr Gly Ser Gly Pro Gly Val Phe Gly Pro Tyr
210 215 220

Gly Pro Gly Leu Ile Ser Gly Ser Gly Val Phe Gly Pro Gly Val Phe
225 230 235 240

Gly Pro Tyr Ala Ser Ala Ala Ala Ala Gly Pro Gly Val Phe Gly
245 250 255

Pro Tyr Gly Pro Gly Ser Ser Ala Ala Ala Ala Gly Leu Ile Tyr
260 265 270

Gly Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ala Ser Gly
275 280 285

Leu Ile Asn Gly Pro Gly Ser Gly Leu Ile Tyr Gly Pro Gly Val Phe
290 295 300

Gly Pro Gly Leu Ile Ser Ala Ala Ala Ala Gly Pro Gly Val Phe
305 310 315 320

Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly Leu Ile
325 330 335

Tyr Gly Pro Gly Val Phe Gly Pro Gly Leu Ile Tyr Gly Pro Gly Ser
340 345 350

Ser Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ser Ser Ala Ala
355 360 365

Ala Ala Ala Gly Leu Ile Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly
370 375 380

Pro Gly Leu Ile Ser Ala Ala Ala Ala Ala Gly Leu Ile Tyr Val Phe
385 390 395 400

Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Ala Ser Gly Pro Gly
405 410 415

Val Phe Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala Gly
420 425 430

Pro Gly Leu Ile Tyr Gly Pro Gly Val Phe Gly Pro Ser Ala Ser Ala
435 440 445

Ala Ala Ala Ala Gly Leu Ile Tyr Gly Ser Gly Pro Gly Leu Ile Tyr
450 455 460

Gly Pro Tyr Gly Pro Gly Leu Ile Ser Gly Pro Gly Ser Gly Val Phe
465 470 475 480

Gly Leu Ile Gly Pro Tyr Gly Pro Gly Ala Ser Ala Ala Ala Ala Ala
485 490 495

Gly Leu Ile Tyr Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro Gly Leu
500 505 510

Ile Ser Ala Ala Ala Ala Gly Pro Gly Ser Gly Leu Ile Tyr Gly
515 520 525

Pro Gly Ala Ser Gly Leu Ile Asn Gly Pro Gly Ser Gly Leu Ile Tyr
530 535 540

Gly Pro Gly Val Phe Gly Pro Gly Leu Ile Ser Ala Ala Ala Ala Ala
545 550 555 560

Gly Leu Ile Tyr Val Phe Gly Pro Gly Val Phe Gly Pro Tyr Gly Pro
565 570 575

Gly Ala Ser Ala Ala Ala Ala Ala Gly Leu Ile Tyr Gly Ser Gly Pro
580 585 590

Gly Val Phe Gly Pro Tyr Gly Pro Gly Leu Ile Ser Gly Ser Gly Val
595 600 605

Phe Gly Pro Gly Val Phe Gly Pro Tyr Ala Ser Ala Ala Ala Ala Ala
610 615 620

Gly Pro Gly Ser Gly Val Phe Gly Pro Gly Ala Ser
625 630 635