MYOSTATIN ANTAGONISM IN HUMAN SUBJECTS

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Application No. 61/799,928, filed MARCH 15, 2013, which is hereby incorporated in its entirety by reference.

STATEMENT REGARDING FEDERALLY SPONSORED RESARCH OR DEVELOPMENT

[0002] Not applicable.

SEQUENCE LISTING

[0003] The instant application contains a Sequence Listing which has been submitted via EFS-Web and is hereby incorporated by reference in its entirety. Said ASCII copy, created on ~~March 13~~April 30, 2014, is named 26324PCT_CRF_Sequencelisting.txt~~26324PCT_sequencelisting.txt~~, and is 258,776~~200,000~~ bytes in size.

FIELD OF THE INVENTION

[0004] The invention relates to methods of using myostatin antagonists, e.g., myostatin binding peptibodies, for treatment of cachexia in prostate cancer patients.

BACKGROUND

[0005] The transforming growth factor (TGF) β superfamily of growth factors consists of a large number of growth and differentiation factors that regulate muscle tissue development and homeostasis. Myostatin, a member of the TGF-β superfamily, is expressed almost exclusively in skeletal muscle, and acts as a negative regulator of muscle growth (Roth and Walsh, 2004; Thomas et al, 2000). Myostatin inhibits myoblast proliferation by causing up-regulation of cyclin-dependent kinase (CDK) inhibitors (e.g., p21), which in turn results in down-regulation of CDK2 and in G_0/G_1 cell cycle arrest. In addition, myostatin negatively regulates myoblast differentiation through decreased expression of MyoD (Langley et al, 2002).

[0006] Observations from mice and cattle with loss-of-function mutations in the myostatin gene (Roth and Walsh, 2004; Grobet et al, 1998; Szabó et al, 1998; Grobet et al, 1997; Kambadur et al, 1997; McPherron and Lee, 1997; McPherron et al, 1997), as well as

[0016] In some embodiments, the myostatin antagonist is formulated in a pharmaceutical composition. Examples include but are not limited to a pharmaceutical composition comprising a buffer, an antioxidant, a low molecular weight molecule, a drug, a protein, an amino acid, a carbohydrate, a lipid, a chelating agent, a stabilizer, or an excipient. For example, the formulation can be 10 mM sodium acetate, 9% (w/v) sucrose, 0.004% (w/v) polysorbate 20, pH 4.75.

[0017] The method can use administration that is, e.g., parenteral or oral or subcutaneous.

[0018] In some embodiments, the myostatin antagonist is administered at a dose between 0.01 to 10.0 mg/kg, inclusive or at a dose of 0.3 to 3.0 mg/kg, inclusive or at a dose of 0.3, 1.0, or 3.0 mg/kg. The myostatin antagonist can be administered, e.g., twice daily, once daily, twice weekly, once weekly, twice monthly, or once monthly. In some embodiment the myostatin antagonist is administered once weekly for 4 weeks.

[0019] In some embodiments, the myostatin antagonist is co-administered with an additional agent, e.g., an anti-prostate cancer agent.

BRIEF DESCRIPTION OF THE FIGURES

[0020] Figure 1 shows myostatin activity as measured by expressed luciferase activity (y-axis) vs. concentration (x-axis) for the TN8-19 peptide QGHCTRWPWMCPPY (SEQ ID NO: ~~32~~29) and the TN8-19 peptibody (pb) to determine the IC_{50} for each using the C2C12 pMARE luciferase assay described in the Examples below. The peptibody has a lower IC_{50} value compared with the peptide.

[0021] Figure 2 is a graph showing the increase in total body weight for CD1 nu/nu mice treated with increasing dosages of the 1x mTN8-19-21 peptibody over a fourteen day period compared with mice treated with a huFc control, as described in Example 8.

[0022] Figure 3A shows the increase in the mass of the gastrocnemius muscle mass at necropsy of the mice treated in Figure 2 (Example 8). Figure 3B shows the increase in lean mass as determined by NMR on day 0 compared with day 13 of the experiment described in Example 8.

[0023] Figure 4 shows the increase in lean body mass as for CD1 nu/nu mice treated with biweekly injections of increasing dosages of 1x mTN8-19-32 peptibody as determined by NMR on day 0 and day 13 of the experiment described in Example 8.

However, the peptides of the present invention may be produced by any number of known methods including chemical synthesis as described below.

[0062] The peptides can be further improved by the process of "affinity maturation". This procedure is directed to increasing the affinity or the activity of the peptides and peptibodies of the present invention using phage display or other selection technologies. Based on a consensus sequence, directed secondary phage display libraries, for example, can be generated in which the "core" amino acids (determined from the consensus sequence) are held constant or are biased in frequency of occurrence. Alternatively, an individual peptide sequence can be used to generate a biased, directed phage display library. Panning of such libraries under more stringent conditions can yield peptides with enhanced binding to myostatin, selective binding to myostatin, or with some additional desired property. However, peptides having the affinity matured sequences may then be produced by any number of known methods including chemical synthesis or recombinantly. These peptides are used to generate binding agents such as peptibodies of various configurations which exhibit greater inhibitory activity in cell-based assays and *in vivo* assays.

[0063] Example 6 below describes affinity maturation of the "first round" peptides described above to produce affinity matured peptides. Exemplary affinity matured peptibodies are presented in Tables IV and V. The resultant 1x and 2x peptibodies made from these peptides were then further characterized for binding affinity, ability to neutralize myostatin activity, specificity to myostatin as opposed to certain other TGF-β family members such as activin, and for additional *in vitro* and *in vivo* activity, as described below. Affinity-matured peptides and peptibodies are referred to by the prefix "m" before their family name to distinguish them from first round peptides of the same family.

[0064] Exemplary first round peptides chosen for further affinity maturation according to the present invention included the following peptides:

TN8-19 QGHCTRWPWMCPPY (SEQ ID NO: ~~33~~29)
Linear-2 MEMLDSLFELLKDMVPISKA (SEQ ID NO: ~~104~~101)
Linear-15 HHGWNYLRKGSAPQWFEAWV (SEQ ID NO: ~~117~~114)
Linear-17, RATLLKDFWQLVEGYGDN (SEQ ID NO: ~~119~~116)
Linear-20 YREMSMLEGLLDVLERLQHY (SEQ ID NO: ~~122~~119)
Linear-21 HNSSQMLLSELIMLVGSMMQ (SEQ ID NO: ~~123~~120)
Linear-24 EFFHWLHNHRSEVNHWLDMN (SEQ ID NO: ~~126~~123).

in the art. The peptides are "preactivated" with an appropriate functional group at a specific site. The precursors are purified and fully characterized prior to reacting with the PEG moiety. Ligation of the peptide with PEG usually takes place in aqueous phase and can be easily monitored by reverse phase analytical HPLC. The PEGylated peptides can be easily purified by preparative HPLC and characterized by analytical HPLC, amino acid analysis and laser desorption mass spectrometry.

[0084] Polysaccharide polymers are another type of water soluble polymer which may be used for protein modification. Dextrans are polysaccharide polymers comprised of individual subunits of glucose predominantly linked by a1-6 linkages. The dextran itself is available in many molecular weight ranges, and is readily available in molecular weights from about 1 kDa to about 70 kDa. Dextran is a suitable water-soluble polymer for use in the present invention as a vehicle by itself or in combination with another vehicle (e.g., Fc). See, for example, WO 96/11953 and WO 96/05309. The use of dextran conjugated to therapeutic or diagnostic immunoglobulins has been reported; see, for example, European Patent Publication No. 0 315 456, which is hereby incorporated by reference. Dextran of about 1 kDa to about 20 kDa is preferred when dextran is used as a vehicle in accordance with the present invention.

Linkers

[0085] The myostatin agonists used in the present invention may optionally further comprises a "linker" group. In one embodiment, the linker consists of the sequence GGGGGAQ (SEQ ID NO:636).

[0086] Linkers serve primarily as a spacer between a peptide and a vehicle or between two peptides of the binding agents of the present invention. In one embodiment, the linker is made up of amino acids linked together by peptide bonds, preferably from 1 to 20 amino acids linked by peptide bonds, wherein the amino acids are selected from the 20 naturally occurring amino acids. One or more of these amino acids may be glycosylated, as is understood by those in the art. In one embodiment, the 1 to 20 amino acids are selected from glycine, alanine, proline, asparagine, glutamine, and lysine. Preferably, a linker is made up of a majority of amino acids that are sterically unhindered, such as glycine and alanine. Thus, exemplary linkers are polyglycines (particularly $(Gly)_5$ (SEQ ID NO: 637), $(Gly)_8$ (SEQ ID NO: 638)), poly(Gly-Ala), and polyalanines. As used herein, the designation "g" refers to a glycine homopeptide linkers. As shown in Table II, "gn" refers to a 5x gly linker (SEQ ID NO: 637) at the N terminus, while "gc" refers to 5x

gly linker (SEQ ID NO: 637) at the C terminus. Combinations of Gly and Ala are also preferred. One exemplary linker sequence useful for constructing the binding agents of the present invention is the following: gsgsatggsgstassgsgsatg (SEQ ID NO: ~~305~~639). This linker sequence is referred to as the "k" or 1k sequence. The designations "kc", as found in Table II, refers to the k linker at the C–terminus, while the designation "kn", refers to the k linker at the N-terminus.

[0087] The linkers of the present invention may also be non-peptide linkers. For example, alkyl linkers such as -NH-(CH_2)s-C(O)-, wherein s = 2-20 can be used. These alkyl linkers may further be substituted by any non-sterically hindering group such as lower alkyl (e.g., C_1-C_6) lower acyl, halogen (e.g., Cl, Br), CN, NH_2, phenyl, etc. An exemplary non-peptide linker is a PEG linker, and has a molecular weight of 100 to 5000 kDa, preferably 100 to 500 kDa. The peptide linkers may be altered to form derivatives in the same manner as above.

Exemplary Myostatin Antagonists, e.g., Binding Agents

[0088] The myostatin agonists, e.g., binding agents used in the methods described herein comprise at least one peptide capable of binding myostatin, e.g., a peptide consisting of the amino acid sequence set forth in SEQ ID NO:311.

[0089] In one embodiment, the myostatin binding peptide is between about 5 and about 50 amino acids in length, in another, between about 10 and 30 amino acids in length, and in another, between about 10 and 25 amino acids in length. In one embodiment the myostatin binding peptide comprises the amino acid sequence WMCPP (SEQ ID NO: 633). In other embodiment, the myostatin binding peptide comprises the amino acid sequence $Ca_1a_2Wa_3$WMCPP (SEQ ID NO: 352), wherein a_1, a_2 and a_3 are selected from a neutral hydrophobic, neutral polar, or basic amino acid. In another embodiment the myostatin binding peptide comprises the amino acid sequence $Cb_1b_2Wb_3$WMCPP (SEQ ID NO: 353), wherein b_1 is selected from any one of the amino acids T, I, or R; b_2 is selected from any one of R, S, Q; b_3 is selected from any one of P, R and Q, and wherein the peptide is between 10 and 50 amino acids in length, and physiologically acceptable salts thereof.

[0090] Other myostatin binding peptides comprises the formula:

$c_1c_2c_3c_4c_5c_6Cc_7c_8Wc_9$WMCPP$c_{10}c_{11}c_{12}c_{13}$ (SEQ ID NO: 354), wherein:

c_1 is absent or any amino acid;

c_2 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

[0103] This type of insertional variant generally has all or a substantial portion of the native molecule, linked at the N- or C-terminus, to all or a portion of a second polypeptide. For example, fusion proteins typically employ leader sequences from other species to permit the recombinant expression of a protein in a heterologous host. Another useful fusion protein includes the addition of an immunologically active domain, such as an antibody epitope, to facilitate purification of the fusion protein. Inclusion of a cleavage site at or near the fusion junction will facilitate removal of the extraneous polypeptide after purification. Other useful fusions include linking of functional domains, such as active sites from enzymes, glycosylation domains, cellular targeting signals or transmembrane regions.

[0104] There are various commercially available fusion protein expression systems that may be used in the present invention. Particularly useful systems include but are not limited to the glutathione-S-transferase (GST) system (Pharmacia), the maltose binding protein system (NEB, Beverley, MA), the FLAG system (IBI, New Haven, CT), and the 6xHis (SEQ ID NO: 640) system (Qiagen, Chatsworth, CA). These systems are capable of producing recombinant peptides and/or peptibodies bearing only a small number of additional amino acids, which are unlikely to significantly affect the activity of the peptide or peptibody. For example, both the FLAG system and the 6xHis (SEQ ID NO: 640) system add only short sequences, both of which are known to be poorly antigenic and which do not adversely affect folding of a polypeptide to its native conformation. Another N-terminal fusion that is contemplated to be useful is the fusion of a Met-Lys dipeptide at the N-terminal region of the protein or peptides. Such a fusion may produce beneficial increases in protein expression or activity.

[0105] Other fusion systems produce polypeptide hybrids where it is desirable to excise the fusion partner from the desired peptide or peptibody. In one embodiment, the fusion partner is linked to the recombinant peptibody by a peptide sequence containing a specific recognition sequence for a protease. Examples of suitable sequences are those recognized by the Tobacco Etch Virus protease (Life Technologies, Gaithersburg, MD) or Factor Xa (New England Biolabs, Beverley, MA).

[0106] The invention also provides fusion polypeptides which comprise all or part of a peptide or peptibody of the present invention, in combination with truncated tissue factor (tTF). tTF is a vascular targeting agent consisting of a truncated form of a human coagulation-inducing protein that acts as a tumor blood vessel clotting agent, as described U.S. Patent Nos.: 5,877,289; 6,004,555; 6,132,729; 6,132,730; 6,156,321; and European Patent No. EP 0988056. The fusion of tTF to the anti-myostatin peptibody or peptide, or

Sequence Ranking and Analysis

[0229] The peptide sequences that were translated from the nucleotide sequences were correlated to ELISA data. The clones that showed high chemiluminescent units in the myostatin-coated wells and low chemiluminescent units in the 2% BSA-coated wells were identified. The sequences that occurred multiple times were identified. Candidate sequences chosen based on these criteria were subjected to further analysis as peptibodies. Approximately 1200 individual clones were analyzed. Of these approximately 132 peptides were chosen for generating the peptibodies of the present invention. These are shown in Table I below. The peptides having SEQ ID NO: 1 to 129 were used to generate peptibodies of the same name. The peptides having SEQ ID NO: 130 to 141 shown in Table I comprise two or more peptides from SEQ ID NO: 1 to 132 attached by a linker sequence. SEQ ID NO: 130 to 141 were also used to generate peptibodies of the same name.

[0230] Consensus sequences were determined for the TN-8 derived group of peptides. These are as follows:

KDXCXXWHWMCKPX (SEQ ID NO: 142)

WXXCXXXGFWCXNX (SEQ ID NO: ~~143~~641)

IXGCXWWDXXCYXX (SEQ ID NO: 144)

XXWCVSPXWFCXXX (SEQ ID NO: 145)

XXXCPWFAXXCVDW (SEQ ID NO: 146)

[0231] For all of the above consensus sequences, the underlined "core sequences" from each consensus sequence are the amino acid which always occur at that position. "X" refers to any naturally occurring or modified amino acid. The two cysteines contained with the core sequences were fixed amino acids in the TN8-IX library.

TABLE I: peptibody names and peptide sequences

PEPTIBODY NAME	SEQ.ID No	**PEPTIDE SEQUENCE**
Myostatin-TN8-Con1	1	KDKCKMWHWMCKPP
Myostatin-TN8-Con2	2	KDLCAMWHWMCKPP
Myostatin-TN8-Con3	~~3~~642	KDLCKMWKWMCKPP
Myostatin-TN8-Con4	4	KDLCKMWHWMCKPK
Myostatin-TN8-Con5	5	WYPCYEFHFWCYDL
Myostatin-TN8-Con6	6	WYPCYEGHFWCYDL
Myostatin-TN8-Con7	7	IFGCKWWDVQCYQF
Myostatin-TN8-Con8	8	IFGCKWWDVDCYQF
Myostatin-TN8-Con9	9	ADWCVSPNWFCMVM
Myostatin-TN8-Con10	10	HKFCPWWALFCWDF

Myostatin-TN8-1	11	KDLCKMWHWMCKPP
Myostatin-TN8-2	12	IDKCAIWGWMCPPL
Myostatin-TN8-3	13	WYPCGEFGMWCLNV
Myostatin-TN8-4	14	WFTCLWNCDNE
Myostatin-TN8-5	15	HTPCPWFAPLCVEW
Myostatin-TN8-6	16	KEWCWRWKWMCKPE
Myostatin-TN8-7	17	FETCPSWAYFCLDI
Myostatin-TN8-8	18	AYKCEANDWGCWWL
Myostatin-TN8-9	19	NSWCEDQWHRCWWL
Myostatin-TN8-10	20	WSACYAGHFWCYDL
Myostatin-TN8-11	21	ANWCVSPNWFCMVM
Myostatin-TN8-12	22	WTECYQQEFWCWNL
Myostatin-TN8-13	23	ENTCERWKWMCPPK
Myostatin-TN8-14	24	WLPCHQEGFWCMNF
Myostatin-TN8-15	25	STMCSQWHWMCNPF
Myostatin-TN8-16	26	IFGCHWWDVDCYQF
Myostatin-TN8-17	27	IYGCKWWDIQCYDI
Myostatin-TN8-18	28	PDWCIDPDWWCKFW
Myostatin-TN8-19	29	QGHCTRWPWMCPPY
Myostatin-TN8-20	30	WQECYREGFWCLQT
Myostatin-TN8-21	31	WFDCYGPGFKCWSP
Myostatin-TN8-22	32	GVRCPKGHLWCLYP
Myostatin-TN8-23	33	HWACGYWPWSCKWV
Myostatin-TN8-24	34	GPACHSPWWWCVFG
Myostatin-TN8-25	35	TTWCISPMWFCSQQ
Myostatin-TN8-26	36	HKFCPPWAIFCWDF
Myostatin-TN8-27	37	PDWCVSPRWYCNMW
Myostatin-TN8-28	38	VWKCHWFGMDCEPT
Myostatin-TN8-29	39	KKHCQIWTWMCAPK
Myostatin-TN8-30	40	WFQCGSTLFWCYNL
Myostatin-TN8-31	41	WSPCYDHYFYCYTI
Myostatin-TN8-32	42	SWMCGFFKEVCMWV
Myostatin-TN8-33	43	EMLCMIHPVFCNPH
Myostatin-TN8-34	44	LKTCNLWPWMCPPL
Myostatin-TN8-35	45	VVGCKWYEAWCYNK
Myostatin-TN8-36	46	PIHCTQWAWMCPPT
Myostatin-TN8-37	47	DSNCPWYFLSCVIF
Myostatin-TN8-38	48	HIWCNLAMMKCVEM
Myostatin-TN8-39	49	NLQCIYFLGKCIYF
Myostatin-TN8-40	50	AWRCMWFSDVCTPG
Myostatin-TN8-41	51	WFRCFLDADWCTSV
Myostatin-TN8-42	52	EKICQMWSWMCAPP
Myostatin-TN8-43	53	WFYCHLNKSECTEP
Myostatin-TN8-44	54	FWRCAIGIDKCKRV
Myostatin-TN8-45	55	NLGCKWYEVWCFTY
Myostatin-TN8-46	56	IDLCNMWDGMCYPP
Myostatin-TN8-47	57	EMPCNIWGWMCPPV
Myostatin-TN12-1	58	WFRCVLTGIVDWSECFGL
Myostatin-TN12-2	~~59~~643	GFSCTFGLDEFYVDCSPF
Myostatin-TN12-3	60	LPWCHDQVNADWGFCMLW
Myostatin-TN12-4	61	YPTCSEKFWIYGQTCVLW
Myostatin-TN12-5	62	LGPCPIHHGPWPQYCVYW

Construction of pAMG21

[0235] Expression plasmid pAMG21 (ATCC No. 98113) is derived from expression vector pCFM1656 (ATCC No. 69576) and the expression vector system described in United States Patent No. 4,710,473, by following the procedure described in published International Patent Application WO 00/24782, all of which are incorporated herein by reference.

Fc N-terminal Vector

[0236] The Fc N-terminal vector was constructed using the pAMG21 Fc_Gly5_ Tpo vector ('Gly5' disclosed as SEQ ID NO: 637) as a template. A 5' PCR primer (below) was designed to remove the Tpo peptide sequence in pAMG Tpo Gly5 (SEQ ID NO: 637) and replace it with a polylinker containing *Apa*LI and *Xho*I sites. Using this vector as a template, PCR was performed with Expand Long Polymerase, using the following 5' primer and a universal 3' primer:

5'primer	5' ACAAACAAACATATGGGTGCACAGAAAGCGGCCGCAAAAAAA CTCGAGGGTGGAGGCGGTGGGGACA 3' (SEQ ID NO:297)
3'primer	5' GGTCATTACTGGACCGGATC 3' (SEQ ID NO: 298)

[0237] The resulting PCR product was gel purified and digested with restriction enzymes *Nde*I and *Bsr*GI. Both the plasmid and the polynucleotide encoding the peptide of interest together with its linker were gel purified using Qiagen (Chatsworth, CA) gel purification spin columns. The plasmid and insert were then ligated using standard ligation procedures, and the resulting ligation mixture was transformed into *E. coli* cells (strain 2596). Single clones were selected and DNA sequencing was performed. A correct clone was identified and this was used as a vector source for the modified peptides described herein.

Construction of Fc C-terminal Vector

[0238] The Fc C-terminal vector was constructed using pAMG21 Fc_Gly5_ Tpo vector ('Gly5' disclosed as SEQ ID NO: 637) as a template. A 3' PCR primer was designed to remove the Tpo peptide sequence and to replace it with a polylinker containing *Apa*LI and *Xho*I sites. PCR was performed with Expand Long Polymerase using a universal 5' primer and the 3' primer.

5' Primer: 5'-CGTACAGGTTTACGCAAGAAAATGG-3' (SEQ ID NO: 299)

3' Primer: 5'-TTTGTTGGATCCATTACTCGAGTTTTTTTGCGGCCGCT TTCTGTGCACCACCACCTCCACCTTTAC-3' (SEQ ID NO: 300)

[0239] The resulting PCR product was gel purified and digested with restriction enzymes *Bsr*GI and *Bam*HI. Both the plasmid and the polynucleotide encoding each peptides of interest with its linker were gel purified via Qiagen gel purification spin columns. The

loaded onto a SP-Sepharose Fast Flow column equilibrated in 10 mM NaAc, 50 mM NaCl, pH 5, 4°C). After loading the column was washed to baseline with 10 mM NaAc, 50 mM NaCl, pH 5.2. The column was developed with a 20 column volume gradient from 50mM - 500 mM NaCl in the acetate buffer. Alternatively, after the wash to baseline, the column was washed with 5 column volumes of 10 mM sodium phosphate pH 7.0 and the column developed with a 15 column volume gradient from 0-400 mM NaCl in phosphate buffer. Column fractions were analyzed by SDS-PAGE. Fractions containing dimeric peptibody were pooled. Fractions were also analyzed by gel filtration to determine if any aggregate was present.

[0242] A number of peptibodies were prepared from the peptides of Table I. The peptides were attached to the human IgG1 Fc molecule to form the peptibodies in Table II. Regarding the peptibodies in Table II, the C configuration indicates that the peptide named was attached at the C-termini of the Fc. The N configuration indicates that the peptide named was attached at the N-termini of the Fc. The N,C configuration indicates that one peptide was attached at the N-termini and one at the C-termini of each Fc molecule. The 2x designation indicates that the two peptides named were attached in tandem to each other and also attached at the N or the C termini, or both the N,C of the Fc, separated by the linker indicated. Two peptides attached in tandem separated by a linker, are indicated, for example, as Myostatin-TN8-29-19-8g, which indicates that TN8-29 peptide is attached via a $(gly)_8$ linker (SEQ ID NO: 638) to TN8-19 peptide. The peptide(s) were attached to the Fc via a $(gly)_5$ linker (SEQ ID NO: 637) sequence unless otherwise specified. In some instances the peptide(s) were attached via a k linker. The linker designated k or 1k refers to the gsgsatggsgstassgsgsatg (SEQ ID NO: ~~301~~639) linker sequence, with kc referring to the linker attached to the C–terminus of the Fc, and kn referring to the linker attached to the N-terminus of the Fc. In Table II below, column 4 refers to the linker sequence connecting the Fc to the first peptide and the fifth column refers to the configuration N or C or both.

[0243] Since the Fc molecule dimerizes in solution, a peptibody constructed so as to have one peptide will actually be a dimer with two copies of the peptide and two Fc molecules, and the 2X version having two peptides in tandem will actually be a dimer with four copies of the peptide and two Fc molecules.

[0244] Since the peptibodies given in Table II are expressed in *E. coli*, the first amino acid residue is Met (M). Therefore, the peptibodies in the N configuration are Met-peptide-linker-Fc, or Met-peptide-linker-peptide-linker-Fc, for example. Peptibodies in the C

configuration are arranged as Met-Fc-linker-peptide or Met-Fc-linker-peptide-linker-peptide, for example. Peptibodies in the C,N configuration are a combination of both, for example, Met-peptide-linker-Fc-linker-peptide.

[0245] Nucleotide sequences encoding exemplary peptibodies are provided below in Table II. The polynucleotide sequences encoding an exemplary peptibody of the present invention includes a nucleotide sequence encoding the Fc polypeptide sequence such as the following:

5′GACAAAACTCACACATGTCCACCTTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTT
TTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATG
CGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCG
TGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGTGTG
GTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGT
CTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCC
GAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGC
CTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGAGCAATGG
GCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCC
TCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCC
GTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAA
A-3′ (SEQ ID NO: 301)

[0246] In addition, the polynucleotides encoding the five glycine ggggg linker (SEQ ID NO: 637) such as the following are included:

5'-GGTGGAGGTGGTGGT-3' (SEQ ID NO: 302)

[0247] The polynucleotide encoding the peptibody also includes the codon encoding the methionine ATG and a stop codon such as TAA.

[0248] Therefore, the structure of the first peptibody in Table II is TN8-Con1 with a C configuration and a $(gly)_5$ linker (SEQ ID NO: 637) is as follows: M-Fc-GGGGG-KDKCKMWHWMCKPP (SEQ ID NO: 303). Exemplary polynucleotides encoding this peptibody would be:

5'-
ATGGACAAAACTCACACATGTCCACCTTGCCCAGCACCTGAACTCCTGG
GGGGACCGTCAGTTTTCCTCTTCCCCCCAAAACCCAAGGACACCCTCATG
ATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACG
AAGACCCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGGTGCA
TAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCG
TGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAG
GAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGA
AAACCATCTCCAAAGCCAAAGGGCAGCCCCGAGAACCACAGGTGTACAC
CCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGCCTGACC
TGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTGGAGTGGGAGA
GCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGA
CTCCGACGGCTCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCA

GGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCT
GCACAACCACTACACGCAGAAGAGCCTCTCCCTGTCTCCGGGTAAAGGT
GGAGGTGGTGGTAAGACAAATGCAAAATGTGGCACTGGATGTGCAAACC
GCCG-3' (SEQ ID NO: 304)

TABLE II: peptibody name, peptide sequence, nucleotide sequence, linker, and terminus

Peptibody Name	Peptide	Nucleotide Sequence (SEQ ID NO)	L	
Myostatin-TN8-con1	KDKCKMWHWMCKPP (SEQ ID NO: 1)	AAAGACAAATGCAAAATGTGGCACTGGATGTG CAAACCGCCG (Seq. ID No: 147)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con2	KDLCAMWHWMCKPP (SEQ ID NO: 2)	AAAGACCTGTGCGCTATGTGGCACTGGATGTG CAAACCGCCG (Seq. ID No: 148)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con3	KDLCKMWKWMCKPP (SEQ ID NO: 642)	AAAGACCTGTGCAAAATGTGGAAATGGATGTG CAAACCGCCG (SEQ ID NO: 149)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con4	KDLCKMWHWMCKPK (SEQ ID NO: 4)	AAAGACCTGTGCAAAATGTGGCACTGGATGTG CAAACCGAAA (SEQ ID NO: 150)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con5	WYPCYEFHFWCYDL (SEQ ID NO: 5)	TGGTACCCGTGCTACGAATTCCACTTCTGGTGC TACGACCTG (SEQ ID NO: 151)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con5	WYPCYEFHFWCYDL (SEQ ID NO: 5)	TGGTACCCGTGCTACGAATTCCACTTCTGGTGC TACGACCTG (SEQ ID NO: 152)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-con6	WYPCYEGHFWCYDL (SEQ ID NO: 6)	TGGTACCCGTGCTACGAAGGTCACTTCTGGTGC TACGACCTG (SEQ ID NO: 153)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con6	WYPCYEGHFWCYDL (SEQ ID NO: 6)	TGGTACCCGTGCTACGAAGGTCACTTCTGGTGC TACGACCTG (SEQ ID NO: 154)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-con7	IFGCKWWDVQCYQF (SEQ ID NO: 7)	ATCTTCGGTTGCAAATGGTGGGACGTTCAGTGC TACCAGTTC (SEQ ID NO: 155)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con8	IFGCKWWDVDCYQF (SEQ ID NO: 8)	ATCTTCGGTTGCAAATGGTGGGACGTTGACTGC TACCAGTTC (SEQ ID NO: 156)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con8	IFGCKWWDVDCYQF (SEQ ID NO: 8)	ATCTTCGGTTGCAAATGGTGGGACGTTGACTGC TACCAGTTC (SEQ ID NO: 157)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-con9	ADWCVSPNWFCMVM (SEQ ID NO: 9)	GCTGACTGGTGCGTTTCCCCGAACTGGTTCTGC ATGGTTATG (SEQ ID NO: 158)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-con10	HKFCPWWALFCWDF (SEQ ID NO: 10)	CACAAATTCTGCCCGTGGTGGGCTCTGTTCTGC TGGGACTTC (SEQ ID NO: 159)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-1	KDLCKMWHWMCKPP (SEQ ID NO: 11)	AAAGACCTGTGCAAAATGTGGCACTGGATGTG CAAACCGCCG (SEQ ID NO: 160	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-2	IDKCAIWGWMCPPL (SEQ ID NO: 12)	ATCGACAAATGCGCTATCTGGGGTTGGATGTGC CCGCCGCTG (SEQ ID NO: 161)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-3	WYPCGEFGMWCLNV (SEQ ID NO: 13)	TGGTACCCGTGCGGTGAATTCGGTATGTGGTGC CTGAACGTT (SEQ ID NO: 162)	5 gly (SEQ ID NO: 637)	C

Myostatin-TN8-4	WFTCLWNCDNE (SEQ ID NO: 14)	TGGTTCACCTGCCTGTGGAACTGCGACAACGAA (SEQ ID NO: 163)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-5	HTPCPWFAPLCVEW (SEQ ID NO: 15)	CACACCCCGTGCCCGTGGTTCGCTCCGCTGTGCGTTGAATGG (SEQ ID NO: 164)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-6	KEWCWRWKWMCKPE (SEQ ID NO: 16)	AAAGAATGGTGCTGGCGTTGGAAATGGATGTGCAAACCGGAA (SEQ ID NO: 165)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-7	FETCPSWAYFCLDI (SEQ ID NO: 17)	TTCGAAACCTGCCCGTCCTGGGCTTACTTCTGCCTGGACATC (SEQ ID NO: 166)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-7	FETCPSWAYFCLDI (SEQ ID NO: 17)	TTCGAAACCTGCCCGTCCTGGGCTTACTTCTGCCTGGACATC (SEQ ID NO: 167)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-8	AYKCEANDWGCWWL (SEQ ID NO: 18)	GCTTACAAATGCGAAGCTAACGACTGGGGTTGCTGGTGGCTG (SEQ ID NO: 168)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-9	NSWCEDQWHRCWWL (SEQ ID NO: 19)	AACTCCTGGTGCGAAGACCAGTGGCACCGTTGCTGGTGGCTG (SEQ ID NO: 169)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-10	WSACYAGHFWCYDL (SEQ ID NO: 20)	TGGTCCGCTTGCTACGCTGGTCACTTCTGGTGCTACGACCTG (SEQ ID NO: 170)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-11	ANWCVSPNWFCMVM (SEQ ID NO: 21)	GCTAACTGGTGCGTTTCCCCGAACTGGTTCTGCATGGTTATG (SEQ ID NO: 171)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-12	WTECYQQEFWCWNL (SEQ ID NO: 22)	TGGACCGAATGCTACCAGCAGGAATTCTGGTGCTGGAACCTG (SEQ ID NO: 172)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-13	ENTCERWKWMCPPK (SEQ ID NO: 23)	GAAAACACCTGCGAACGTTGGAAATGGATGTGCCCGCCGAAA (SEQ ID NO: 173)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-14	WLPCHQEGFWCMNF (SEQ ID NO: 24)	TGGCTGCCGTGCCACCAGGAAGGTTTCTGGTGCATGAACTTC (SEQ ID NO: 174)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-15	STMCSQWHWMCNPF (SEQ ID NO: 25)	TCCACCATGTGCTCCCAGTGGCACTGGATGTGCAACCCGTTC (SEQ ID NO: 175)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-16	IFGCHWWDVDCYQF (SEQ ID NO: 26)	ATCTTCGGTTGCCACTGGTGGGACGTTGACTGCTACCAGTTC (SEQ ID NO: 176)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-17	IYGCKWWDIQCYDI (SEQ ID NO: 27)	ATCTACGGTTGCAAATGGTGGGACATCCAGTGCTACGACATC (SEQ ID NO: 177)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-18	PDWCIDPDWWCKFW (SEQ ID NO: 28)	CCGGACTGGTGCATCGATCCGGACTGGTGGTGCAAATTCTGG (SEQ ID NO: 178)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-19	QGHCTRWPWMCPPY (SEQ ID NO: 29)	CAGGGTCACTGCACCCGTTGGCCGTGGATGTGCCCGCCGTAC (SEQ ID NO: 179)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-20	WQECYREGFWCLQT (SEQ ID NO: 30)	TGGCAGGAATGCTACCGTGAAGGTTTCTGGTGCCTGCAGACC (SEQ ID NO: 180)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-21	WFDCYGPGFKCWSP (SEQ ID NO: 31)	TGGTTCGACTGCTACGGTCCGGGTTTCAAATGCTGGTCCCCG (SEQ ID NO: 181)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-22	GVRCPKGHLWCLYP (SEQ ID NO: 32)	GGTGTTCGTTGCCCGAAAGGTCACCTGTGGTGCCTGTACCCG (SEQ ID NO: 182)	5 gly (SEQ ID	C

			NO: 637)	
Myostatin-TN8-23	HWACGYWPWSCKWV (SEQ ID NO: 33)	CACTGGGCTTGCGGTTACTGGCCGTGGTCCTGCA AATGGGTT (SEQ ID NO: 183)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-24	GPACHSPWWWCVFG (SEQ ID NO: 34)	GGTCCGGCTTGCCACTCCCCGTGGTGGTGGTGCGT TTTCGGT (SEQ ID NO: 184)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-25	TTWCISPMWFCSQQ (SEQ ID NO: 35)	ACCACCTGGTGCATCTCCCCGATGTGGTTCTGCTC CCAGCAG (SEQ ID NO: 185)	5 gly (SEQ ID NO: 637)	C
Myostatin-TN8-26	HKFCPPWAIFCWDF (SEQ ID NO: 36)	CACAAATTCTGCCCGCCGTGGGCTATCTTCTGCTG GGACTTC (SEQ ID NO: 186)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-27	PDWCVSPRWYCNMW (SEQ ID NO: 37)	CCGGACTGGTGCGTTTCCCCGCGTTGGTACTGCAA CATGTGG (SEQ ID NO: 187)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-28	VWKCHWFGMDCEPT (SEQ ID NO: 38)	GTTTGGAAATGCCACTGGTTCGGTATGGACTGCG AACCGACC (SEQ ID NO: 188)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-29	KKHCQIWTWMCAPK (SEQ ID NO: 39)	AAAAAACACTGCCAGATCTGGACCTGGATGTGCG CTCCGAAA (SEQ ID NO: 189)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-30	WFQCGSTLFWCYNL (SEQ ID NO: 40)	TGGTTCCAGTGCGGTTCCACCCTGTTCTGGTGCTA CAACCTG (SEQ ID NO: 190)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-31	WSPCYDHYFYCYTI (SEQ ID NO: 41)	TGGTCCCCGTGCTACGACCACTACTTCTACTGCTA CACCATC (SEQ ID NO: 191)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-32	SWMCGFFKEVCMWV (SEQ ID NO: 42)	TCCTGGATGTGCGGTTTCTTCAAAGAAGTTTGCAT GTGGGTT (SEQ ID NO: 192)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-33	EMLCMIHPVFCNPH (SEQ ID NO: 43)	GAAATGCTGTGCATGATCCACCCGGTTTTCTGCAA CCCGCAC (SEQ ID NO: 193)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-34	LKTCNLWPWMCPPL (SEQ ID NO: 44)	CTGAAAACCTGCAACCTGTGGCCGTGGATGTGCC CGCCGCTG (SEQ ID NO: 194)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-35	VVGCKWYEAWCYNK (SEQ ID NO: 45)	GTTGTTGGTTGCAAATGGTACGAAGCTTGGTGCT ACAACAAA (SEQ ID NO: 195)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-36	PIHCTQWAWMCPPT (SEQ ID NO: 46)	CCGATCCACTGCACCCAGTGGGCTTGGATGTGCC CGCCGACC (SEQ ID NO: 196)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-37	DSNCPWYFLSCVIF (SEQ ID NO: 47)	GACTCCAACTGCCCGTGGTACTTCCTGTCCTGCGT TATCTTC (SEQ ID NO: 197)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-38	HIWCNLAMMKCVEM (SEQ ID NO: 48)	CACATCTGGTGCAACCTGGCTATGATGAAATGCG TTGAAATG (SEQ ID NO: ~~198~~644)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-39	NLQCIYFLGKCIYF (SEQ ID NO: 49)	AACCTGCAGTGCATCTACTTCCTGGGTAAATGCAT CTACTTC (SEQ ID NO: 199)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-40	AWRCMWFSDVCTPG (SEQ ID NO: 50)	GCTTGGCGTTGCATGTGGTTCTCCGACGTTTGCAC CCCGGGT (SEQ ID NO: 200)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-41	WFRCFLDADWCTSV (SEQ ID NO: 51)	TGGTTTCGTTGTTTTCTTGATGCTGATTGGTGTACT TCTGTT (SEQ ID NO: 201)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-42	EKICQMWSWMCAPP (SEQ ID NO: 52)	GAAAAAATTTGTCAAATGTGGTCTTGGATGTGTG CTCCACCA (SEQ ID NO: 202)	5 gly (SEQ ID NO: 637)	N

Myostatin-TN8-43	WFYCHLNKSECTEP (SEQ ID NO: 53)	TGGTTTTATTGTCATCTTAATAAATCTGAATGT ACTGAACCA (SEQ ID NO: 203)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-44	FWRCAIGIDKCKRV (SEQ ID NO: 54)	TTTTGGCGTTGTGCTATTGGTATTGATAAATGT AAACGTGTT (SEQ ID NO: 204)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-45	NLGCKWYEVWCFTY (SEQ ID NO: 55)	AATCTTGGTTGTAAATGGTATGAAGTTTGGTGT TTTACTTAT (SEQ ID NO: 205)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-46	IDLCNMWDGMCYPP (SEQ ID NO: 56)	ATTGATCTTTGTAATATGTGGGATGGTATGTGT TATCCACCA (SEQ ID NO: 206)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN8-47	EMPCNIWGWMCPPV (SEQ ID NO: 57)	GAAATGCCATGTAATATTTGGGGTTGGATGTGT CCACCAGTT (SEQ ID NO: 207)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-1	WFRCVLTGIVDWSECF GL (SEQ ID NO: 58)	TGGTTCCGTTGCGTTCTGACCGGTATCGTTGAC TGGTCCGAATGCTTCGGTCTG (SEQ ID NO: 208)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-2	GFSCTFGLDEFYVDCSP F (SEQ ID NO: 643)	GGTTTCTCCTGCACCTTCGGTCTGGACGAATTC TACGTTGACTGCTCCCCGTTC (SEQ ID NO: 209)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-3	LPWCHDQVNADWGFC MLW (SEQ ID NO: 60)	CTGCCGTGGTGCCACGACCAGGTTAACGCTGA CTGGGGTTTCTGCATGCTGTGG (SEQ ID NO: 210)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-4	YPTCSEKFWIYGQTCVL W (SEQ ID NO: 61)	TACCCGACCTGCTCCGAAAAATTCTGGATCTAC GGTCAGACCTGCGTTCTGTGG (SEQ ID NO: 211)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-5	LGPCPIHHGPWPQYCV YW (SEQ ID NO: 62)	CTGGGTCCGTGCCCGATCCACCACGGTCCGTGG CCGCAGTACTGCGTTTACTGG (SEQ ID NO: 212)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-6	PFPCETHQISWLGHCLS F (SEQ ID NO: 63)	CCGTTCCCGTGCGAAACCCACCAGATCTCCTGG CTGGGTCACTGCCTGTCCTTC (SEQ ID NO: 213)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-7	HWGCEDLMWSWHPLC RRP (SEQ ID NO: 64)	CACTGGGGTTGCGAAGACCTGATGTGGTCCTG GCACCCGCTGTGCCGTCGTCCG (SEQ ID NO: 214)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-8	LPLCDADMMPTIGFCV AY (SEQ ID NO: 65)	CTGCCGCTGTGCGACGCTGACATGATGCCGAC CATCGGTTTCTGCGTTGCTTAC (SEQ ID NO: 215)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-9	SHWCETTFWMNYAKC VHA (SEQ ID NO: 66)	TCCCACTGGTGCGAAACCACCTTCTGGATGAAC TACGCTAAATGCGTTCACGCT (SEQ ID NO: 216)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-10	LPKCTHVPFDQGGFCL WY (SEQ ID NO: 67)	CTGCCGAAATGCACCCACGTTCCGTTCGACCAG GGTGGTTTCTGCCTGTGGTAC (SEQ ID NO: 217)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-11	FSSCWSPVSRQDMFCV FY (SEQ ID NO: 68)	TTCTCCTCCTGCTGGTCCCCGGTTTCCCGTCAG GACATGTTCTGCGTTTTCTAC (SEQ ID NO: 218)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-13	SHKCEYSGWLQPLCYR P (SEQ ID NO: 69)	TCCCACAAATGCGAATACTCCGGTTGGCTGCA GCCGCTGTGCTACCGTCCG (SEQ ID NO: 219)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-14	PWWCQDNYVQHMLHC DSP (SEQ ID NO: 70)	CCGTGGTGGTGCCAGGACAACTACGTTCAGCA CATGCTGCACTGCGACTCCCCG (SEQ ID NO: 220)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-15	WFRCMLMNSFDAFQC VSY (SEQ ID NO: 71)	TGGTTCCGTTGCATGCTGATGAACTCCTTCGAC GCTTTCCAGTGCGTTTCCTAC (SEQ ID NO: 221)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-16	PDACRDQPWYMFMGC MLG (SEQ ID NO: 72)	CCGGACGCTTGCCGTGACCAGCCGTGGTACAT GTTCATGGGTTGCATGCTG	5 gly (SEQ ID	N

		GGT (SEQ ID NO: 222)	NO: 637)	
Myostatin-TN12-17	FLACFVEFELCFDS (SEQ ID NO: 73)	TTCCTGGCTTGCTTCGTTGAATTCGAACTGTGC TTCGACTCC (SEQ ID NO: 223)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-18	SAYCIITESDPYVLCVPL (SEQ ID NO: 74)	TCCGCTTACTGCATCATCACCGAATCCGACCCG TACGTTCTGTGCGTTCCGCTG (SEQ ID NO: 224)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-19	PSICESYSTMWLPMCQ HN (SEQ ID NO: 75)	CCGTCCATCTGCGAATCCTACTCCACCATGTGG CTGCCGATGTGCCAGCACAAC (SEQ ID NO: 225)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-20	WLDCHDDSWAWTKM CRSH (SEQ ID NO: 76)	TGGCTGGACTGCCACGACGACTCCTGGGCTTG GACCAAAATGTGCCGTTCCCAC (SEQ ID NO: 226)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-21	YLNCVMMNTSPFVECV FN (SEQ ID NO: 77)	TACCTGAACTGCGTTATGATGAACACCTCCCCG TTCGTTGAATGCGTTTTCAAC (SEQ ID NO: 227)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-22	YPWCDGFMIQQGITCM FY (SEQ ID NO: 78)	TACCCGTGGTGCGACGGTTTCATGATCCAGCAG GGTATCACCTGCATGTTCTAC (SEQ ID NO: 228)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-23	FDYCTWLNGFKDWKC WSR (SEQ ID NO: 79)	TTCGACTACTGCACCTGGCTGAACGGTTTCAAA GACTGGAAATGCTGGTCCCGT (SEQ ID NO: 229)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-24	LPLCNLKEISHVQACVL F (SEQ ID NO: 80)	CTGCCGCTGTGCAACCTGAAAGAAATCTCCCA CGTTCAGGCTTGCGTTCTGTTC (SEQ ID NO: 230)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-25	SPECAFARWLGIEQCQR D (SEQ ID NO: 81)	TCCCCGGAATGCGCTTTCGCTCGTTGGCTGGGT ATCGAACAGTGCCAGCGTGAC (SEQ ID NO: 231)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-26	YPQCFNLHLLEWTECD WF (SEQ ID NO: 82)	TACCCGCAGTGCTTCAACCTGCACCTGCTGGAA TGGACCGAATGCGACTGGTTC (SEQ ID NO: 232)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-27	RWRCEIYDSEFLPKCW FF (SEQ ID NO: 83)	CGTTGGCGTTGCGAAATCTACGACTCCGAATTC CTGCCGAAATGCTGGTTCTTC (SEQ ID NO: 233)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-28	LVGCDNVWHRCKLF (SEQ ID NO: 84)	CTGGTTGGTTGCGACAACGTTTGGCACCGTTGC AAACTGTTC (SEQ ID NO: 234)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-29	AGWCHVWGEMFGMG CSAL (SEQ ID NO: 85)	GCTGGTTGGTGCCACGTTTGGGGTGAAATGTTC GGTATGGGTTGCTCCGCTCTG (SEQ ID NO: 235)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-30	HHECEWMARWMSLDC VGL (SEQ ID NO: 86)	CACCACGAATGCGAATGGATGGCTCGTTGGAT GTCCCTGGACTGCGTTGGTCTG (SEQ ID NO: 236)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-31	FPMCGIAGMKDFDFCV WY (SEQ ID NO: 87)	TTCCCGATGTGCGGTATCGCTGGTATGAAAGAC TTCGACTTCTGCGTTTGGTAC (SEQ ID NO: 237)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-32	RDDCTFWPEWLWKLC ERP (SEQ ID NO: 88)	CGTGATGATTGTACTTTTTGGCCAGAATGGCTT TGGAAACTTTGTGAACGTCCA (SEQ ID NO: 238)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-33	YNFCSYLFGVSKEACQ LP (SEQ ID NO: 89)	TATAATTTTTGTTCTTATCTTTTTGGTGTTTCTA AAGAAGCTTGTCAACTTCCA (SEQ ID NO: 239)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-34	AHWCEQGPWRYGNIC MAY (SEQ ID NO: 90)	GCTCATTGGTGTGAACAAGGTCCATGGCGTTAT GGTAATATTTGTATGGCTTAT (SEQ ID NO: 240)	5 gly (SEQ ID NO: 637)	N C
Myostatin-TN12-35	NLVCGKISAWGDEACAR A (SEQ ID NO: 91)	AATCTTGTTTGTGGTAAAATTTCTGCTTGGGGTGA TGAAGCTTGTGCTCGTGCT (SEQ ID NO: 241)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-36	HNVCTIMGPSMKWFCWN D (SEQ ID NO: 92)	CATAATGTTTGTACTATTATGGGTCCATCTATGAAAT GGTTTTGTTGGAATGAT	5 gly (SEQ ID	N C

		(SEQ ID NO: 242)	NO: 637)	
Myostatin-TN12-37	NDLCAMWGWRNTIWCQNS (SEQ ID NO: 93)	AATGATCTTTGTGCTATGTGGGGTTGGCGTAATACTATTTGGTGTCAAAATTCT (SEQ ID NO: 243)	5 gly (SEQ ID NO: 637)	N C
Myostatin-TN12-38	PPFCQNDNDMLQSLCKLL (SEQ ID NO: 94)	CCACCATTTTGTCAAAATGATAATGATATGCTTCAATCTCTTTGTAAACTTCTT (SEQ ID NO: 244)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-39	WYDCNVPNELLSGLCRLF (SEQ ID NO: 95)	TGGTATGATTGTAATGTTCCAAATGAACTTCTTTCTGGTCTTTGTCGTCTTTTT (SEQ ID NO: 245)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-40	YGDCDQNHWMWPFTCLSL (SEQ ID NO: 96)	TATGGTGATTGTGATCAAAATCATTGGATGTGGCCATTTACTTGTCTTTCTCTT (SEQ ID NO: 246)	5 gly (SEQ ID NO: 637)	N C
Myostatin-TN12-41	GWMCHFDLHDWGATCQPD (SEQ ID NO: 97)	GGTTGGATGTGTCATTTTGATCTTCATGATTGGGGTGCTACTTGTCAACCAGAT (SEQ ID NO: 247)	5 gly (SEQ ID NO: 637)	N
Myostatin-TN12-42	YFHCMFGGHEFEVHCESF (SEQ ID NO: 98)	TATTTTCATTGTATGTTTGGTGGTCATGAATTTGAAGTTCATTGTGAATCTTTT (SEQ ID NO: 248)	5 gly (SEQ ID NO: 637)	N C
Myostatin-TN12-43	AYWCWHGQCVRF (SEQ ID NO: 99)	GCTTATTGGTGTTGGCATGGTCAATGTGTTCGTTTT (SEQ ID NO: 249)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-1	SEHWTFTDWDGNEWWVRPF (SEQ ID NO: 100)	TCCGAACACTGGACCTTCACCGACTGGGACGGTAACGAATGGTGGGTTCGTCCGTTC (SEQ ID NO: 250)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-2	MEMLDSLFELLKDMVPISKA (SEQ ID NO: 101)	ATGGAAATGCTGGACTCCCTGTTCGAACTGCTGAAAGACATGGTTCCGATCTCCAAAGCT (SEQ ID NO: 251)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-3	SPPEEALMEWLGWQYGKFT (SEQ ID NO: 102)	TCCCCGCCGGAAGAAGCTCTGATGGAATGGCTGGGTTGGCAGTACGGTAAATTCACC (SEQ ID NO: 252)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-4	SPENLLNDLYILMTKQEWYG (SEQ ID NO: 103)	TCCCCGGAAAACCTGCTGAACGACCTGTACATCCTGATGACCAAACAGGAATGGTACGGT (SEQ ID NO: 253)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-5	FHWEEGIPFHVVTPYSYDRM (SEQ ID NO: 104)	TTCCACTGGGAAGAAGGTATCCCGTTCCACGTTGTTACCCCGTACTCCTACGACCGTATG (SEQ ID NO: 254)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-6	KRLLEQFMNDLAELVSGHS (SEQ ID NO: 105)	AAACGTCTGCTGGAACAGTTCATGAACGACCTGGCTGAACTGGTTTCCGGTCACTCC (SEQ ID NO: 255)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-7	DTRDALFQEFYEFVRSRLVI (SEQ ID NO: 106)	GACACCCGTGACGCTCTGTTCCAGGAATTCTACGAATTCGTTCGTTCCCGTCTGGTTATC (SEQ ID NO: 256)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-8	RMSAAPRPLTYRDIMDQYWH (SEQ ID NO: 107)	CGTATGTCCGCTGCTCCGCGTCCGCTGACCTACCGTGACATCATGGACCAGTACTGGCAC (SEQ ID NO: 257)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-9	NDKAHFFEMFMFDVHNFVES (SEQ ID NO: 108)	AACGACAAAGCTCACTTCTTCGAAATGTTCATGTTCGACGTTCACAACTTCGTTGAATCC (SEQ ID NO: 258)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-10	QTQAQKIDGLWELLQSIRNQ (SEQ ID NO: 109)	CAGACCCAGGCTCAGAAAATCGACGGTCTGTGGGAACTGCTGCAGTCCATCCGTAACCAG (SEQ ID NO: 259)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-11	MLSEFEEFLGNLVHRQEA (SEQ ID NO: 110)	ATGCTGTCCGAATTCGAAGAATTCCTGGGTAACCTGGTTCACCGTCAGGAAGCT (SEQ ID NO: 260)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-12	YTPKMGSEWTSFWHNRIHYL (SEQ ID NO: 111)	TACACCCCGAAAATGGGTTCCGAATGGACCTCCTTCTGGCACAACCGTATCCACTACCTG (SEQ ID NO: 261)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-13	LNDTLLRELKMVLNSLSDMK (SEQ ID NO: 112)	CTGAACGACACCCTGCTGCGTGAACTGAAAATGGTTCTGAACTCCCTGTCCGACATGAAA (SEQ ID NO: 262)	5 gly (SEQ ID NO: 637)	N

Myostatin-Linear-14	FDVERDLMRWLEGFMQSAAT (SEQ ID NO: 113)	TTCGACGTTGAACGTGACCTGATGCGTTGGCTGGAAGGTTTCATGCAGTCCGCTGCTACC (SEQ ID NO: 263)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-15	HHGWNYLRKGSAPQWFEAWV (SEQ ID NO: 114)	CACCACGGTTGGAACTACCTGCGTAAAGGTTCCGCTCCGCAGTGGTTCGAAGCTTGGGTT (SEQ ID NO: 264)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-16	VESLHQLQMWLDQKLASGPH (SEQ ID NO: 115)	GTTGAATCCCTGCACCAGCTGCAGATGTGGCTGGACCAGAAACTGGCTTCCGGTCCGCAC (SEQ ID NO: 265)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-17	RATLLKDFWQLVEGYGDN (SEQ ID NO: 116)	CGTGCTACCCTGCTGAAAGACTTCTGGCAGCTGGTTGAAGGTTACGGTGACAAC (SEQ ID NO: 266)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-18	EELLREFYRFVSAFDY (SEQ ID NO: 117)	GAAGAACTGCTGCGTGAATTCTACCGTTTCGTTTCCGCTTTCGACTAC (SEQ ID NO: 267)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-19	GLLDEFSHFIAEQFYQMPGG (SEQ ID NO: 118)	GGTCTGCTGGACGAATTCTCCCACTTCATCGCTGAACAGTTCTACCAGATGCCGGGTGGT (SEQ ID NO: 268)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-20	YREMSMLEGLLDVLERLQHY (SEQ ID NO: 119)	TACCGTGAAATGTCCATGCTGGAAGGTCTGCTGGACGTTCTGGAACGTCTGCAGCACTAC (SEQ ID NO: 269)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-21	HNSSQMLLSELIMLVGSMMQ (SEQ ID NO: 120)	CACAACTCCTCCCAGATGCTGCTGTCCGAACTGATCATGCTGGTTGGTTCCATGATGCAG (SEQ ID NO: 270)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-22	WREHFLNSDYIRDKLIAIDG (SEQ ID NO: 121)	TGGCGTGAACACTTCCTGAACTCCGACTACATCCGTGACAAACTGATCGCTATCGACGGT (SEQ ID NO: 271)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-23	QFPFYVFDDLPAQLEYWIA (SEQ ID NO: 122)	CAGTTCCCGTTCTACGTTTTCGACGACCTGCCGGCTCAGCTGGAATACTGGATCGCT (SEQ ID NO: 272)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-24	EFFHWLHNHRSEVNHWLDMN (SEQ ID NO: 123)	GAATTCTTCCACTGGCTGCACAACCACCGTTCCGAAGTTAACCACTGGCTGGACATGAAC (SEQ ID NO: 273)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-25	EALFQNFFRDVLTLSEREY (SEQ ID NO: 124)	GAAGCTCTTTTTCAAAATTTTTTTCGTGATGTTCTTACTCTTTCTGAACGTGAATAT (SEQ ID NO: 274)	5 gly (SEQ ID NO: 637)	N C
Myostatin-Linear –26	QYWEQQWMTYFRENGLHVQY (SEQ ID NO: 125)	CAATATTGGGAACAACAATGGATGACTTATTTTCGTGAAAATGGTCTTCATGTTCAATAT (SEQ ID NO: 275)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-27	NQRMMLEDLWRIMTPMFGRS (SEQ ID NO: 126)	AATCAACGTATGATGCTTGAAGATCTTTGGCGTATTATGACTCCAATGTTTGGTCGTTCT (SEQ ID NO: 276)	5 gly (SEQ ID NO: 637)	N C
Myostatin-Linear-29	FLDELKAELSRHYALDDLDE (SEQ ID NO: 127)	TTTCTTGATGAACTTAAAGCTGAACTTTCTCGTCATTATGCTCTTGATGATCTTGATGAA (SEQ ID NO: 277)	5 gly (SEQ ID NO: 637)	N
Myostatin-Linear-30	GKLIEGLLNELMQLETFMPD (SEQ ID NO: 128)	GGTAAACTTATTGAAGGTCTTCTTAATGAACTTATGCAACTTGAAACTTTTATGCCAGAT (SEQ ID NO: 278)	5 gly (SEQ ID NO: 637)	N C
Myostatin-Linear-31	ILLLDEYKKDWKSWF (SEQ ID NO: 129)	ATTCTTCTTCTTGATGAATATAAAAAAGATTGGAAATCTTGGTTT (SEQ ID NO: 279)	5 gly (SEQ ID NO: 637)	N
Myostatin-2XTN8-19 kc	QGHCTRWPWMCPPYGSGSATGGSGSTASSGSGSATGQGHCTRWPWMCPPY (SEQ ID NO: 130)	CAGGGCCACTGTACTCGCTGGCCGTGGATGTGCCCGCCGTACGGTTCTGGTTCCGCTACCGGTGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCTACTGGTCAGGGTCACTGCACTCGTTGGCCATGGATGTGTCCACCGTAT (SEQ ID NO: 280)	1k	N

Myostatin-2XTN8-CON6	WYPCYEGHFWCYDLGSGSTASSGSGSATGWYPCYEGHFWCYDL (SEQ ID NO: 131)	TGGTATCCGTGTTATGAGGGTCACTTCTGGTGCTACGATCTGGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCCGCTACTGGTTGGTACCCGTGCTACGAAGGTCACTTTTGGTGTTATGATCTG (SEQ ID NO: 281)	5 gly (SEQ ID NO: 637)	C
Myostatin-2XTN8-5 kc	HTPCPWFAPLCVEWGSGSATGGSGSTASSGSGSATGHTPCPWFAPLCVEW (SEQ ID NO: 132)	CACACTCCGTGTCCGTGGTTTGCTCCGCTGTGCGTTGAATGGGGTTCTGGTTCCGCTACTGGTGGTTCCGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCAACTGGTCACACCCCGTGCCCGTGGTTTGCACCGCTGTGTGTAGAGTGG (SEQ ID NO: 282)	1k	C
Myostatin-2XTN8-18 kc	PDWCIDPDWWCKFWGSGSATGGSGSTASSGSGSATGPDWCIDPDWWCKFW (SEQ ID NO: 133)	CCGGATTGGTGTATCGACCCGGACTGGTGGTGCAAATTCTGGGGTTCTGGTTCCGCTACCGGTGGTTCCGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCAACTGGTCCGGACTGGTGCATCGACCCGGATTGGTGGTGTAAATTTTGG (SEQ ID NO: 283)	1k	C
Myostatin-2XTN8-11 kc	ANWCVSPNWFCMVMGSGSATGGSGSTASSGSGSATGANWCVSPNWFCMVM (SEQ ID NO: 134)	CCGGATTGGTGTATCGACCCGGACTGGTGGTGCAAATTCTGGGGTTCTGGTTCCGCTACCGGTGGTTCCGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCAACTGGTCCGGACTGGTGCATCGACCCGGATTGGTGGTGTAAATTTTGG (SEQ ID NO; 284)	1k	C
Myostatin-2XTN8-25 kc	PDWCIDPDWWCKFWGSGSATGGSGSTASSGSGSATGPDWCIDPDWWCKFW (SEQ ID NO: 135)	ACCACTTGGTGCATCTCTCCGATGTGGTTCTGCTCTCAGCAGGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCAACTGGTACTACTTGGTGTATCTCTCCAATGTGGTTTTGTTCTCAGCAA (SEQ ID NO: 285)	1k	C
Myostatin-2XTN8-23 kc	HWACGYWPWSCKWVGSGSATGGSGSTASSGSGSATGHWACGYWPWSCKWV (SEQ ID NO: 136)	CACTGGGCATGTGGCTATTGGCCGTGGTCCTGCAAATGGGTTGGTTCTGGTTCCGCTACCGGTGGTTCCGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCAACTGGTCACTGGGCTTGCGGTTACTGGCCGTGGTCTTGTAAATGGGTT (SEQ ID NO: 286)	1k	C
Myostatin-TN8-29-19 kc	KKHCQIWTWMCAPKGSGSATGGSGSTASSGSGSATGQGHCTRWPWMCPPY (SEQ ID NO: 137)	AAAAAACACTGTCAGATCTGGACTTGGATGTGCGCTCCGAAAGGTTCTGGTTCCGCTACCGGTGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCCGCTACTGGTCAGGGTCACTGCACTCGTTGGCCATGGATGTGTCCGCCGTAT (SEQ ID NO: 287)	1k	C
Myostatin-TN8-19-29 kc	QGHCTRWPWMCPPYGSGSATGGSGSTASSGSGSATGKKHCQIWTWMCAPK (SEQ ID NO: 138)	CAGGGTCACTGCACCCGTTGGCCGTGGATGTGCCCGCCGTACGGTTCTGGTTCCGCTACCGGTGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCTGCTACTGGTAAAAAACACTGCCAGATCTGGACTTGGATGTGCGCTCCGAAA (SEQ ID NO: 288)	1k	C
Myostatin-TN8-29-19 kn	KKHCQIWTWMCAPKGSGSATGGSGSTASSGSGSATGQGHCTRWPWMCPPY (SEQ ID NO: 139)	AAAAAACACTGTCAGATCTGGACTTGGATGTGCGCTCCGAAAGGTTCTGGTTCCGCTACCGGTGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCCGCTACTGGTCAGGGTCACTGCACTCGTTGGCCATGGATGTGTCCGCCGTAT (SEQ ID NO: 289)	1k	N

Myostatin-TN8-29-19-8g	KKHCQIWTWMCAPKG GGGGGGGQGHCTRWP WMCPPY (SEQ ID NO: 140)	AAAAAACACTGCCAGATCTGGACTTGGATGTG CGCTCCGAAAGGTGGTGGTGGTGGTGGCGGTG GCCAGGGTCACTGCACCCGTTGGCCGTGGATG TGTCCGCCGTAT (SEQ ID NO: 290)	8 gly (SEQ ID NO: 638)	C
Myostatin-TN8-19-29-6gc	QGHCTRWPWMCPPYG GGGGGKKHCQIWTWM CAPK (SEQ ID NO: 141)	CAGGGTCACTGCACCCGTTGGCCGTGGATGTG CCCGCCGTACGGTGGTGGTGGTGGTGGCAAAA AACACTGCCAGATCTGGACTTGGATGTGCGCTC CGAAA (SEQ ID NO: 291)	6 gly (SEQ ID NO: 645)	C

Example 3: In vitro Assays

C2C12 Cell Based Myostatin Activity Assay

[0249] This assay demonstrates the myostatin neutralizing capability of the inhibitor being tested by measuring the extent that binding of myostatin to its receptor is inhibited.

[0250] A myostatin-responsive reporter cell line was generated by transfection of C2C12 myoblast cells (ATCC No: CRL-1772) with a pMARE-luc construct. The pMARE-luc construct was made by cloning twelve repeats of the CAGA sequence, representing the myostatin/activin response elements (Dennler et al. EMBO 17: 3091-3100 (1998)) into a pLuc-MCS reporter vector (Stratagene cat # 219087) upstream of the TATA box. The myoblast C2C12 cells naturally express myostatin/activin receptors on its cell surface. When myostatin binds the cell receptors, the Smad pathway is activated, and phosphorylated Smad binds to the response element (Macias-Silva et al. Cell 87:1215 (1996)), resulting in the expression of the luciferase gene. Luciferase activity is then measured using a commercial luciferase reporter assay kit (cat # E4550, Promega, Madison, WI) according to manufacturer's protocol. A stable line of C2C12 cells that had been transfected with pMARE-luc (C2C12/pMARE clone #44) was used to measure myostatin activity according to the following procedure.

[0251] Equal numbers of the reporter cells (C2C12/pMARE clone #44) were plated into 96 well cultures. A first round screening using two dilutions of peptibodies was performed with the myostatin concentration fixed at 4 nM. Recombinant mature myostatin was pre-incubated for 2 hours at room temperature with peptibodies at 40 nM and 400 nM respectively. The reporter cell culture was treated with the myostatin with or without peptibodies for six hours. Myostatin activity was measured by determining the luciferase activity in the treated cultures. This assay was used to initially identify peptibody hits that

ActRIIB/Fc	~83	~7
2xTN8-19-kc	~9	~2
TN8-19	~23	~2
TN8-29	~26	~60
TN12-34	~30	-----
Linear-20	~11	-----

[0260] The peptibodies have an IC_{50} that is improved over the receptor/Fc inhibitor and binding affinities which are comparable in two peptibodies with the receptor/Fc.

Example 5: Comparison of Ability of Peptide and Peptibody to Inhibit Myostatin

[0261] The following peptide sequence: QGHCTRWPWMCPPY (TN8-19) (SEQ ID NO: ~~33~~29) was used to construct the corresponding peptibody TN8-19(pb) according to the procedure described in Example 2 above. Both the peptide alone and the peptibody were screened for myostatin inhibiting activity using the C2C12 based assay described in Example 3 above. It can be seen from Figure 1 the IC_{50} (effective concentration for fifty percent inhibition of myostatin) for the peptibody is significantly less than that of the peptide, and thus the ability of the peptide to inhibit myostatin activity has been substantially improved by placing it in the peptibody configuration.

Example 6: Generation of Affinity-Matured Peptides and Peptibodies

[0262] Several of the first round peptides used for peptibody generation were chosen for affinity maturation. The selected peptides included the following: the cysteine constrained TN8-19, QGHCTRWPWMCPPY (SEQ ID NO: ~~33~~29), and the linear peptides Linear-2 MEMLDSLFELLKDMVPISKA (SEQ ID NO: ~~104~~101); Linear-15 HHGWNYLRKGSAPQWFEAWV (SEQ. ID NO: ~~117~~114); Linear-17 RATLLKDFWQLVEGYGDN (SEQ ID NO: ~~119~~116); Linear-20 YREMSMLEGLLDVLERLQHY (SEQ ID NO: ~~122~~119), Linear-21 HNSSQMLLSELIMLVGSMMQ (SEQ ID NO: ~~123~~120), Linear-24 EFFHWLHNHRSEVNHWLDMN (SEQ ID NO: ~~126~~123). Based on a consensus sequence, directed secondary phage display libraries were generated in which the "core" amino acids (determined from the consensus sequence) were either held constant or biased in frequency of occurrence. Alternatively, an individual peptide sequence could be used to generate a biased,

c_3 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

c_4 is absent or any amino acid;

c_5 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

c_6 is absent or a neutral hydrophobic, neutral polar, or basic amino acid;

c_7 is a neutral hydrophobic, neutral polar, or basic amino acid;

c_8 is a neutral hydrophobic, neutral polar, or basic amino acid;

c_9 is a neutral hydrophobic, neutral polar or basic amino acid; and wherein

c_{10} to c_{13} is any amino acid.

[0267] In one embodiment of the above formulation, b_7 is selected from any one of the amino acids T, I, or R; b_8 is selected from any one of R, S, Q; and b_9 is selected from any one of P, R and Q. This provides the following sequence:

$d_1d_2d_3d_4d_5d_6\underline{C}d_7d_8\underline{W}d_9\underline{WMCPP}$ $d_{10}d_{11}d_{12}d_{13}$ (SEQ ID NO: 355).

d_1 is absent or any amino acid;

d_2 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

d_3 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

d_4 is absent or any amino acid;

d_5 is absent or a neutral hydrophobic, neutral polar, or acidic amino acid;

d_6 is absent or a neutral hydrophobic, neutral polar, or basic amino acid;

d_7 is selected from any one of the amino acids T, I, or R;

d_8 is selected from any one of R, S, Q;

d_9 is selected from any one of P, R and Q

and d_{10} through d_{13} are selected from any amino acid.

[0268] The consensus sequence of the mTN8 con6 series is $\underline{WY}e_1e_2\underline{Y}e_3\underline{G}$, (SEQ ID NO: 356) wherein e_1 is P, S or Y; e_2 is C or Q, and e_3 is G or H.

[0269] In addition to the TN-19 affinity matured family, additional affinity matured peptides were produced from the linear L-2, L-15, L-17, L-20, L-21, and L-24 first round peptides. These families are presented in Table V below.

Table V: additional affinity matured peptides

Affinity matured peptibody	SEQ ID NO:	Peptide Sequence
L2	~~104~~101	MEMLDSLFELLKDMVPISKA

mL2-Con1	357	RMEMLESLLELLKEIVPMSKAG
mL2-Con2	358	RMEMLESLLELLKEIVPMSKAR
mL2-1	359	RMEMLESLLELLKDIVPMSKPS
mL2-2	360	GMEMLESLFELLQEIVPMSKAP
mL2-3	361	RMEMLESLLELLKDIVPISNPP
mL2-4	362	RIEMLESLLELLQEIVPISKAE
mL2-5	363	RMEMLQSLLELLKDIVPMSNAR
mL2-6	364	RMEMLESLLELLKEIVPTSNGT
mL2-7	365	RMEMLESLFELLKEIVPMSKAG
mL2-8	366	RMEMLGSLLELLKEIVPMSKAR
mL2-9	367	QMELLDSLFELLKEIVPKSQPA
mL2-10	368	RMEMLDSLLELLKEIVPMSNAR
mL2-11	369	RMEMLESLLELLHEIVPMSQAG
mL2-12	370	QMEMLESLLQLLKEIVPMSKAS
mL2-13	371	RMEMLDSLLELLKDMVPMTTGA
mL2-14	372	RIEMLESLLELLKDMVPMANAS
mL2-15	373	RMEMLESLLQLLNEIVPMSRAR
mL2-16	374	RMEMLESLFDLLKELVPMSKGV
mL2-17	375	RIEMLESLLELLKDIVPIQKAR
mL2-18	376	RMELLESLFELLKDMVPMSDSS
mL2-19	377	RMEMLESLLEVLQEIVPRAKGA
mL2-20	378	RMEMLDSLLQLLNEIVPMSHAR
mL2-21	379	RMEMLESLLELLKDIVPMSNAG
mL2-22	380	RMEMLQSLFELLKGMVPISKAG
mL2-23	381	RMEMLESLLELLKEIVPNSTAA
mL2-24	382	RMEMLQSLLELLKEIVPISKAG
mL2-25	383	RIEMLDSLLELLNELVPMSKAR
L-15	~~117~~114	HHGWNYLRKGSAPQWFEAWV
mL15-con1	384	QVESLQQLLMWLDQKLASGPQG
mL15-1	385	RMELLESLFELLKEMVPRSKAV
mL15-2	386	QAVSLQHLLMWLDQKLASGPQH
mL15-3	387	DEDSLQQLLMWLDQKLASGPQL
mL15-4	388	PVASLQQLLIWLDQKLAQGPHA
mL15-5	389	EVDELQQLLNWLDHKLASGPLQ
mL15-6	390	DVESLEQLLMWLDHQLASGPHG
mL15-7	391	QVDSLQQVLLWLEHKLALGPQV
mL15-8	392	GDESLQHLLMWLEQKLALGPHG
mL15-9	393	QIEMLESLLDLLRDMVPMSNAF
mL15-10	394	EVDSLQQLLMWLDQKLASGPQA
mL15-11	395	EDESLQQLLIYLDKMLSSGPQV
mL15-12	396	AMDQLHQLLIWLDHKLASGPQA
mL15-13	397	RIEMLESLLELLDEIALIPKAW
mL15-14	398	EVVSLQHLLMWLEHKLASGPDG
mL15-15	399	GGESLQQLLMWLDQQLASGPQR
mL15-16	400	GVESLQQLLIFLDHMLVSGPHD
mL15-17	401	NVESLEHLMMWLERLLASGPYA
mL15-18	402	QVDSLQQLLIWLDHQLASGPKR
mL15-19	403	EVESLQQLLMWLEHKLAQGPQG
mL15-20	404	EVDSLQQLLMWLDQKLASGPHA
mL15-21	405	EVDSLQQLLMWLDQQLASGPQK

mL15-22	406	GVEQLPQLLMWLEQKLASGPQR
mL15-23	407	GEDSLQQLLMWLDQQLAAGPQV
mL15-24	408	ADDSLQQLLMWLDRKLASGPHV
mL15-25	409	PVDSLQQLLIWLDQKLASGPQG
L-17	~~119~~116	RATLLKDFWQLVEGYGDN
mL17-con1	410	DWRATLLKEFWQLVEGLGDNLV
mL17-con2	411	QSRATLLKEFWQLVEGLGDKQA
mL17-1	412	DGRATLLTEFWQLVQGLGQKEA
mL17-2	413	LARATLLKEFWQLVEGLGEKVV
mL17-3	414	GSRDTLLKEFWQLVVGLGDMQT
mL17-4	415	DARATLLKEFWQLVDAYGDRMV
mL17-5	416	NDRAQLLRDFWQLVDGLGVKSW
mL17-6	417	GVRETLLYELWYLLKGLGANQG
mL17-7	418	QARATLLKEFCQLVGCQGDKLS
mL17-8	419	QERATLLKEFWQLVAGLGQNMR
mL17-9	420	SGRATLLKEFWQLVQGLGEYRW
mL17-10	421	TMRATLLKEFWLFVDGQREMQW
mL17-11	422	GERATLLNDFWQLVDGQGDNTG
mL17-12	423	DERETLLKEFWQLVHGWGDNVA
mL17-13	424	GGRATLLKELWQLLEGQGANLV
mL17-14	425	TARATLLNELVQLVKGYGDKLV
mL17-15	426	GMRATLLQEFWQLVGGQGDNWM
mL17-16	427	STRATLLNDLWQLMKGWAEDRG
mL17-17	428	SERATLLKELWQLVGGWGDNFG
mL17-18	429	VGRATLLKEFWQLVEGLVGQSR
mL17-19	430	EIRATLLKEFWQLVDEWREQPN
mL17-20	431	QLRATLLKEFLQLVHGLGETDS
mL17-21	432	TQRATLLKEFWQLIEGLGGKHV
mL17-22	433	HYRATLLKEFWQLVDGLREQGV
mL17-23	434	QSRVTLLREFWQLVESYRPIVN
mL17-24	435	LSRATLLNEFWQFVDGQRDKRM
mL17-25	436	WDRATLLNDFWHLMEELSQKPG
mL17-26	437	QERATLLKEFWRMVEGLGKNRG
mL17-27	438	NERATLLREFWQLVGGYGVNQR
L-20	~~122~~119	YREMSMLEGLLDVLERLQHY
mL20-1	439	HQRDMSMLWELLDVLDGLRQYS
mL20-2	440	TQRDMSMLDGLLEVLDQLRQQR
mL20-3	441	TSRDMSLLWELLEELDRLGHQR
mL20-4	442	MQHDMSMLYGLVELLESLGHQI
mL20-5	443	WNRDMRMLESLFEVLDGLRQQV
mL20-6	444	GYRDMSMLEGLLAVLDRLGPQL
mL20 con1	445	TQRDMSMLEGLLEVLDRLGQQR
mL20 con2	446	WYRDMSMLEGLLEVLDRLGQQR
L-21	~~123~~120	HNSSQMLLSELIMLVGSMMQ
mL21-1	447	TQNSRQMLLSDFMMLVGSMIQG
mL21-2	448	MQTSRHILLSEFMMLVGSIMHG
mL21-3	449	HDNSRQMLLSDLLHLVGTMIQG
mL21-4	450	MENSRQNLLRELIMLVGNMSHQ

mL21-5	451	QDTSRHMLLREFMMLVGEMIQG
mL21 con1	452	DQNSRQMLLSDLMILVGSMIQG
L-24	~~126~~123	EFFHWLHNHRSEVNHWLDMN
mL24-1	453	NVFFQWVQKHGRVVYQWLDINV
mL24-2	454	FDFLQWLQNHRSEVEHWLVMDV

[0270] The affinity matured peptides provided in Tables IV and V are then assembled into peptibodies as described above and assayed using the in vivo assays.

[0271] The affinity matured L2 peptides comprise a consensus sequence of f_1EMLf_2SLf_3f_4LL, (SEQ ID NO: 455), wherein f_1 is M or I; f_2 is any amino acid; f_3 is L or F; and f_4 is E, Q or D.

[0272] The affinity matured L15 peptide family comprise the sequence Lg_1g_2LLg_3g_4L, (SEQ ID NO: 456), wherein g_1 is Q, D or E, g_2 is S, Q, D or E, g_3 is any amino acid, and g_4 is L, W, F, or Y. The affinity matured L17 family comprises the sequence: $h_1h_2h_3h_4h_5h_6h_7h_8h_9$ (SEQ ID NO: 457) wherein h_1 is R or D; h_2 is any amino acid; h_3 is A, T S or Q; h_4 is L or M; h_5 is L or S; h_6 is any amino acid; h_7 is F or E; h_8 is W, F or C; and h_9 is L, F, M or K. Consensus sequences may also be determined for the mL20, mL21 and mL24 families of peptides shown above.

[0273] Peptibodies were constructed from these affinity matured peptides as described above, using a linker attached to the Fc domain of human IgG1, having SEQ ID NO: 296, at the N-terminus (N configuration), at the C terminus (C configuration) of the Fc, or at both the N and C terminals (N,C configurations), as described in Example 2 above. The peptides named were attached to the C or N terminals via a 5 glycine (5G) (SEQ ID NO: 637), 8 glycine (SEQ ID NO: 638) or k linker sequence. In the 2X peptibody version the peptides were linked with linkers such as 5 gly (SEQ ID NO: 637), 8 gly (SEQ ID NO: 638) or k. Affinity matured peptides and peptibodies are designated with a small "m" such as mTN8-19-22 for example. Peptibodies of the present invention further contain two splice sites where the peptides were spliced into the phagemid vectors. The position of these splice sites are AQ—peptide—LE. The peptibodies generally include these additional amino acids (although they are not included in the peptide sequences listed in the tables). In some peptibodies the LE amino acids were removed from the peptides sequences. These peptibodies are designated –LE.

[0274] Exemplary peptibodies, and exemplary polynucleotide sequences encoding them, are provided in Table VI below. This table includes examples of peptibody sequences (as opposed to peptide only), such as the 2x mTN8-19-7 (SEQ ID NO: 615) and the peptibody

with the LE sequences deleted (SEQ ID NO: 617). By way of explanation, the linker sequences in the 2x versions refers to the linker between the tandem peptides. These peptibody sequences contain the Fc, linkers, AQ and LE sequences. The accompanying nucleotide sequence encodes the peptide sequence in addition to the AQ/LE linker sequences, if present, but does not encode the designated linker.

TABLE VI: Peptibodyname, peptide, nucleotide sequence, linker, and terminus

Peptibody Name	Peptide	Nucleotide Sequence (SEQ ID No)	Linker	Term –inus
mL2–Con1	RMEMLESLLELLK EIVPMSKAG (SEQ ID NO: 357)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAATGTCTA AAGCTGGT (SEQ ID NO: 458)	5 gly (SEQ ID NO: 637)	N
mL2–Con2	RMEMLESLLELLK EIVPMSKAR (SEQ ID NO: 358)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAATGTCTA AAGCTCGT (SEQ ID NO: 459)	5 gly (SEQ ID NO: 637)	N
mL2–1	RMEMLESLLELLK DIVPMSKPS (SEQ ID NO: 359)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGATATTGTTCCAATGTCTA AACCATCT (SEQ ID NO: 460)	5 gly (SEQ ID NO: 637)	N
mL2–2	GMEMLESLFELLQ EIVPMSKAP (SEQ ID NO: 360)	GGTATGGAAATGCTTGAATCTCTTTTTGA ACTTCTTCAAGAAATTGTTCCAATGTCTA AAGCTCCA (SEQ ID NO: 461)	5 gly (SEQ ID NO: 637)	N
mL2–3	RMEMLESLLELLK DIVPISNPP (SEQ ID NO: 361)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGATATTGTTCCAATTTCTA ATCCACCA (SEQ ID NO: 462)	5 gly (SEQ ID NO: 637)	N
mL2–4	RIEMLESLLELLQE IVPISKAE (SEQ ID NO: 362)	CGTATTGAAATGCTTGAATCTCTTCTTGA ACTTCTTCAAGAAATTGTTCCAATTTCTA AAGCTGAA (SEQ ID NO: 463)	5 gly (SEQ ID NO: 637)	N
mL2–5	RMEMLQSLLELL KDIVPMSNAR (SEQ ID NO: 363)	CGTATGGAAATGCTTCAATCTCTTCTTGA ACTTCTTAAAGATATTGTTCCAATGTCTA ATGCTCGT (SEQ ID NO: 464)	5 gly (SEQ ID NO: 637)	N
mL2–6	RMEMLESLLELLK EIVPTSNGT (SEQ ID NO: 364)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAACTTCTA ATGGTACT (SEQ ID NO: 465)	5 gly (SEQ ID NO: 637)	N
mL2–7	RMEMLESLFELLK EIVPMSKAG (SEQ ID NO: 365)	CGTATGGAAATGCTTGAATCTCTTTTTGA ACTTCTTAAAGAAATTGTTCCAATGTCTA AAGCTGGT (SEQ ID NO: 466)	5 gly (SEQ ID NO: 637)	N
mL2–8	RMEMLGSLLELL KEIVPMSKAR (SEQ ID NO: 366)	CGTATGGAAATGCTTGGTTCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAATGTCTA AAGCTCGT(SEQ ID NO: 467)	5 gly (SEQ ID NO: 637)	N
mL2–9	QMELLDSLFELLK EIVPKSQPA (SEQ ID NO: 367)	CAAATGGAACTTCTTGATTCTCTTTTTGA ACTTCTTAAAGAAATTGTTCCAAAATCT CAACCAGCT (SEQ ID NO: 468)	5 gly (SEQ ID NO: 637)	N

mL2–10	RMEMLDSLLELL KEIVPMSNAR (SEQ ID NO: 368)	CGTATGGAAATGCTTGATTCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAATGTCTA ATGCTCGT (SEQ ID NO: 469)	5 gly (SEQ ID NO: 637)	N
mL2–11	RMEMLESLLELLH EIVPMSQAG (SEQ ID NO: 369)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTCATGAAATTGTTCCAATGTCTC AAGCTGGT (SEQ ID NO: 470)	5 gly (SEQ ID NO: 637)	N
mL2–12	QMEMLESLLQLL KEIVPMSKAS (SEQ ID NO: 370)	CAAATGGAAATGCTTGAATCTCTTCTTC AACTTCTTAAAGAAATTGTTCCAATGTCT AAAGCTTCT (SEQ ID NO: 471)	5 gly (SEQ ID NO: 637)	N
mL2–13	RMEMLDSLLELL KDMVPMTTGA (SEQ ID NO: 371)	CGTATGGAAATGCTTGATTCTCTTCTTGA ACTTCTTAAAGATATGGTTCCAATGACT ACTGGTGCT (SEQ ID NO: 472)	5 gly (SEQ ID NO: 637)	N
mL2–14	RIEMLESLLELLK DMVPMANAS (SEQ ID NO: 372)	CGTATTGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGATATGGTTCCAATGGCT AATGCTTCT (SEQ ID NO: 473)	5 gly (SEQ ID NO: 637)	N
mL2–15	RMEMLESLLQLL NEIVPMSRAR (SEQ ID NO: 373)	CGTATGGAAATGCTTGAATCTCTTCTTCA ACTTCTTAATGAAATTGTTCCAATGTCTC GTGCTCGT (SEQ ID NO: 474)	5 gly (SEQ ID NO: 637)	N
mL2–16	RMEMLESLFDLLK ELVPMSKGV (SEQ ID NO: 374)	CGTATGGAAATGCTTGAATCTCTTTTTGA TCTTCTTAAAGAACTTGTTCCAATGTCTA AAGGTGTT (SEQ ID NO: 475)	5 gly (SEQ ID NO: 637)	N
mL2–17	RIEMLESLLELLK DIVPIQKAR (SEQ ID NO: 375)	CGTATTGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGATATTGTTCCAATTCAAA AAGCTCGT (SEQ ID NO: 476)	5 gly (SEQ ID NO: 637)	N
mL2–18	RMELLESLFELLK DMVPMSDSS (SEQ ID NO: 376)	CGTATGGAACTTCTTGAATCTCTTTTTGA ACTTCTTAAAGATATGGTTCCAATGTCTG ATTCTTCT (SEQ ID NO: 477)	5 gly (SEQ ID NO: 637)	N
mL2–19	RMEMLESLLEVL QEIVPRAKGA (SEQ ID NO: 377)	CGTATGGAAATGCTTGAATCTCTTCTTGA AGTTCTTCAAGAAATTGTTCCACGTGCT AAAGGTGCT (SEQ ID NO: 478)	5 gly (SEQ ID NO: 637)	N
mL2–20	RMEMLDSLLQLL NEIVPMSHAR (SEQ ID NO: 378)	CGTATGGAAATGCTTGATTCTCTTCTTCA ACTTCTTAATGAAATTGTTCCAATGTCTC ATGCTCGT (SEQ ID NO: 479)	5 gly (SEQ ID NO: 637)	N
mL2–21	RMEMLESLLELLK DIVPMSNAG (SEQ ID NO: 379)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGATATTGTTCCAATGTCTA ATGCTGGT (SEQ ID NO: 480)	5 gly (SEQ ID NO: 637)	N
mL2–22	RMEMLQSLFELLK GMVPISKAG (SEQ ID NO: 380)	CGTATGGAAATGCTTCAATCTCTTTTTGA ACTTCTTAAAGGTATGGTTCCAATTTCTA AAGCTGGT (SEQ ID NO: 481)	5 gly (SEQ ID NO: 637)	N
mL2–23	RMEMLESLLELLK EIVPNSTAA (SEQ ID NO: 381)	CGTATGGAAATGCTTGAATCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAAATTCTA CTGCTGCT (SEQ ID NO: 482)	5 gly (SEQ ID NO: 637)	N

mL2–24	RMEMLQSLLELL KEIVPISKAG (SEQ ID NO: 382)	CGTATGGAAATGCTTCAATCTCTTCTTGA ACTTCTTAAAGAAATTGTTCCAATTTCTA AAGCTGGT (SEQ ID NO: 483)	5 gly (SEQ ID NO: 637)	N
mL2–25	RIEMLDSLLELLN ELVPMSKAR (SEQ ID NO: 383)	CGTATTGAAATGCTTGATTCTCTTCTTGA ACTTCTTAATGAACTTGTTCCAATGTCTA AAGCTCGT (SEQ ID NO: 484)	5 gly (SEQ ID NO: 637)	N
mL17–Con1	DWRATLLKEFWQ LVEGLGDNLV (SEQ ID NO: 410)	GATTGGCGTGCTACTCTTCTTAAAGAATT TTGGCAACTTGTTGAAGGTCTTGGTGAT AATCTTGTT (SEQ ID NO: 485)	5 gly (SEQ ID NO: 637)	N
mL17–1	DGRATLLTEFWQ LVQGLGQKEA (SEQ ID NO: 412)	GATGGTCGTGCTACTCTTCTTACTGAATT TTGGCAACTTGTTCAAGGTCTTGGTCAA AAAGAAGCT (SEQ ID NO: 486)	5 gly (SEQ ID NO: 637)	N
mL17–2	LARATLLKEFWQ LVEGLGEKVV (SEQ ID NO: 413)	CTTGCTCGTGCTACTCTTCTTAAAGAATT TTGGCAACTTGTTGAAGGTCTTGGTGAA AAAGTTGTT (SEQ ID NO: 487)	5 gly (SEQ ID NO: 637)	N
mL17–3	GSRDTLLKEFWQL VVGLGDMQT (SEQ ID NO: 414)	GGTTCTCGTGATACTCTTCTTAAAGAATT TTGGCAACTTGTTGTTGGTCTTGGTGATA TGCAAACT (SEQ ID NO: 488)	5 gly (SEQ ID NO: 637)	N
mL17–4	DARATLLKEFWQ LVDAYGDRMV (SEQ ID NO: 415)	GATGCTCGTGCTACTCTTCTTAAAGAATT TTGGCAACTTGTTGATGCTTATGGTGATC GTATGGTT (SEQ ID NO: 489)	5 gly (SEQ ID NO: 637)	N
mL17–5	NDRAQLLRDFWQ LVDGLGVKSW (SEQ ID NO: 416)	AATGATCGTGCTCAACTTCTTCGTGATTT TTGGCAACTTGTTGATGGTCTTGGTGTTA AATCTTGG (SEQ ID NO: 490)	5 gly (SEQ ID NO: 637)	N
mL17–6	GVRETLLYELWY LLKGLGANQG (SEQ ID NO: 417)	GGTGTTCGTGAAACTCTTCTTTATGAACT TTGGTATCTTCTTAAAGGTCTTGGTGCTA ATCAAGGT (SEQ ID NO: 491)	5 gly (SEQ ID NO: 637)	N
mL17–7	QARATLLKEFCQL VGCQGDKLS (SEQ ID NO: 418)	CAAGCTCGTGCTACTCTTCTTAAAGAATT TTGTCAACTTGTTGGTTGTCAAGGTGATA AACTTTCT (SEQ ID NO: 492)	5 gly (SEQ ID NO: 637)	N
mL17–8	QERATLLKEFWQ LVAGLGQNMR (SEQ ID NO: 419)	CAAGAACGTGCTACTCTTCTTAAAGAAT TTTGGCAACTTGTTGCTGGTCTTGGTCAA AATATGCGT (SEQ ID NO: 493)	5 gly (SEQ ID NO: 637)	N
mL17–9	SGRATLLKEFWQL VQGLGEYRW (SEQ ID NO: 420)	TCTGGTCGTGCTACTCTTCTTAAAGAATT TTGGCAACTTGTTCAAGGTCTTGGTGAA TATCGTTGG (SEQ ID NO: 494)	5 gly (SEQ ID NO: 637)	N
mL17–10	TMRATLLKEFWL FVDGQREMQW (SEQ ID NO: 421)	ACTATGCGTGCTACTCTTCTTAAAGAATT TTGGCTTTTTGTTGATGGTCAACGTGAAA TGCAATGG (SEQ ID NO: 495)	5 gly (SEQ ID NO: 637)	N
mL17–11	GERATLLNDFWQ LVDGQGDNTG (SEQ ID NO: 422)	GGTGAACGTGCTACTCTTCTTAATGATTT TTGGCAACTTGTTGATGGTCAAGGTGAT AATACTGGT (SEQ ID NO: 496)	5 gly (SEQ ID NO: 637)	N

mL17–12	DERETLLKEFWQL VHGWGDNVA (SEQ ID NO: 423)	GATGAACGTGAAACTCTTCTTAAAGAAT TTTGGCAACTTGTTCATGGTTGGGGTGAT AATGTTGCT (SEQ ID NO: 497)	5 gly (SEQ ID NO: 637)	N
mL17–13	GGRATLLKELWQ LLEGQGANLV (SEQ ID NO: 424)	GGTGGTCGTGCTACTCTTCTTAAAGAAC TTTGGCAACTTCTTGAAGGTCAAGGTGC TAATCTTGTT (SEQ ID NO: 498)	5 gly (SEQ ID NO: 637)	N
mL17–14	TARATLLNELVQL VKGYGDKLV (SEQ ID NO: 425)	ACTGCTCGTGCTACTCTTCTTAATGAACT TGTTCAACTTGTTAAAGGTTATGGTGAT AAACTTGTT (SEQ ID NO: 499)	5 gly (SEQ ID NO: 637)	N
mL17–15	GMRATLLQEFWQ LVGGQGDNWM (SEQ ID NO: 426)	GGTATGCGTGCTACTCTTCTTCAAGAATT TTGGCAACTTGTTGGTGGTCAAGGTGAT AATTGGATG (SEQ ID NO: 500)	5 gly (SEQ ID NO: 637)	N
mL17–16	STRATLLNDLWQ LMKGWAEDRG (SEQ ID NO: 427)	TCTACTCGTGCTACTCTTCTTAATGATCT TTGGCAACTTATGAAAGGTTGGGCTGAA GATCGTGGT (SEQ ID NO: 501)	5 gly (SEQ ID NO: 637)	N
mL17–17	SERATLLKELWQL VGGWGDNFG (SEQ ID NO: 428)	TCTGAACGTGCTACTCTTCTTAAAGAACT TTGGCAACTTGTTGGTGGTTGGGGTGAT AATTTTGGT (SEQ ID NO: 502)	5 gly (SEQ ID NO: 637)	N
mL17–18	VGRATLLKEFWQ LVEGLVGQSR (SEQ ID NO: 429)	GTTGGTCGTGCTACTCTTCTTAAAGAATT TTGGCAACTTGTTGAAGGTCTTGTTGGTC AATCTCGT (SEQ ID NO: 503)	5 gly (SEQ ID NO: 637)	N
2x mTN8–Con6–(N)–1K	M–GAQ–WYPCYEGHFWCY DL–GSGSATGGSGSTA SSGSGSATG–WYPCYEGHFWCY DL–LE–5G–FC (SEQ ID NO: 504)	TGGTATCCGTGTTATGAGGGTCACTTCTG GTGCTACGATCTGGGTTCTGGTTCCACTG CTTCTTCTGGTTCCGGTTCCGCTACTGGT TGGTACCCGTGCTACGAAGGTCACTTTT GGTGTTATGATCTG (SEQ ID NO: 505)	1K	N
2x mTN8–Con6–(C)–1K	FC–5G–AQ–WYPCYEGHFWCY DL–GSGSATGGSGSTA SSGSGSATG–WYPCYEGHFWCY DL–LE (SEQ ID NO: 506)	TGGTATCCGTGTTATGAGGGTCACTTCTG GTGCTACGATCTGGGTTCTGGTTCCACTG CTTCTTCTGGTTCCGGTTCCGCTACTGGT TGGTACCCGTGCTACGAAGGTCACTTTT GGTGTTATGATCTG (SEQ ID NO: 507)	1K	C
2x mTN8–Con7–(N)–1K	M–GAQ–IFGCKWWDVQCY QF–GSGSATGGSGSTA SSGSGSATG–IFGCKWWDVQCY QF–LE–5G–FC (SEQ ID NO: 508)	ATCTTTGGCTGTAAATGGTGGGACGTTC AGTGCTACCAGTTCGGTTCTGGTTCCACT GCTTCTTCTGGTTCCGGTTCCGCTACTGG TATCTTCGGTTGCAAGTGGTGGGATGTA CAGTGTTATCAGTTT (SEQ ID NO: 509)	1K	N
2x mTN8–Con7–(C)–1K	FC–5G–AQ–IFGCKWWDVQCY QF–GSGSATGGSGSTA SSGSGSATG–IFGCKWWDVQCY QF–LE (SEQ ID	ATCTTTGGCTGTAAATGGTGGGACGTTC AGTGCTACCAGTTCGGTTCTGGTTCCACT GCTTCTTCTGGTTCCGGTTCCGCTACTGG TATCTTCGGTTGCAAGTGGTGGGATGTA CAGTGTTATCAGTTT (SEQ ID NO: 511)	1K	C

	NO: 510)			
2x mTN8–Con8–(N)–1K	M–GAQ–IFGCKWWDVDCYQF–GSGSATGGSGSTASSGSGSATG–IFGCKWWDVDCYQF–LE–5G–FC (SEQ ID NO: 512)	ATCTTTGGCTGTAAGTGGTGGGACGTTGACTGCTACCAGTTCGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCCGCTACTGGTATCTTCGGTTGCAAATGGTGGGACGTTGATTGTTATCAGTTT (SEQ ID NO: 513)	1K	N
2x mTN8–Con8–(C)–1K	FC–5G–AQ–IFGCKWWDVDCYQF–GSGSATGGSGSTASSGSGSATG–IFGCKWWDVDCYQF–LE (SEQ ID NO: 514)	ATCTTTGGCTGTAAGTGGTGGGACGTTGACTGCTACCAGTTCGGTTCTGGTTCCACTGCTTCTTCTGGTTCCGGTTCCGCTACTGGTATCTTCGGTTGCAAATGGTGGGACGTTGATTGTTATCAGTTT (SEQ ID NO: 515)	1K	C
ML15–Con1	QVESLQQLLMWLDQKLASGPQG (SEQ ID NO: 384)	CAGGTTGAATCCCTGCAGCAGCTGCTGATGTGGCTGGACCAGAAACTGGCTTCCGGTCCGCAGGGT (SEQ ID NO: 516)	5 gly (SEQ ID NO: 637)	C
ML15–1	RMELLESLFELLKEMVPRSKAV (SEQ ID NO: 385)	CGTATGGAACTGCTGGAATCCCTGTTCGAACTGCTGAAAGAAATGGTTCCGCGTTCCAAAGCTGTT (SEQ ID NO: 517)	5 gly (SEQ ID NO: 637)	C
mL15–2	QAVSLQHLLMWLDQKLASGPQH (SEQ ID NO: 386)	CAGGCTGTTTCCCTGCAGCACCTGCTGATGTGGCTGGACCAGAAACTGGCTTCCGGTCCGCAGCAC (SEQ ID NO: 518)	5 gly (SEQ ID NO: 637)	C
mL15–3	DEDSLQQLLMWLDQKLASGPQL (SEQ ID NO: 387)	GACGAAGACTCCCTGCAGCAGCTGCTGATGTGGCTGGACCAGAAACTGGCTTCCGGTCCGCAGCTG (SEQ ID NO: 519)	5 gly (SEQ ID NO: 637)	C
mL15–4	PVASLQQLLIWLDQKLAQGPHA (SEQ ID NO: 388)	CCGGTTGCTTCCCTGCAGCAGCTGCTGATCTGGCTGGACCAGAAACTGGCTCAGGGTCCGCACGCT (SEQ ID NO: 520)	5 gly (SEQ ID NO: 637)	C
mL15–5	EVDELQQLLNWLDHKLASGPLQ (SEQ ID NO: 389)	GAAGTTGACGAACTGCAGCAGCTGCTGAACTGGCTGGACCACAAACTGGCTTCCGGTCCGCTGCAG (SEQ ID NO: 521)	5 gly (SEQ ID NO: 637)	C
mL15–6	DVESLEQLLMWLDHQLASGPHG (SEQ ID NO: 390)	GACGTTGAATCCCTGGAACAGCTGCTGATGTGGCTGGACCACCAGCTGGCTTCCGGTCCGCACGGT (SEQ ID NO: 522)	5 gly (SEQ ID NO: 637)	C
mL15–7	QVDSLQQVLLWLEHKLALGPQV (SEQ ID NO: 391)	CAGGTTGACTCCCTGCAGCAGGTTCTGCTGTGGCTGGAACACAAACTGGCTCTGGGTCCGCAGGTT (SEQ ID NO: 523)	5 gly (SEQ ID NO: 637)	C
mL15–8	GDESLQHLLMWLEQKLALGPHG (SEQ ID NO: 392)	GGTGACGAATCCCTGCAGCACCTGCTGATGTGGCTGGAACAGAAACTGGCTCTGGGTCCGCACGGT (SEQ ID NO: 524)	5 gly (SEQ ID NO: 637)	C

mL15–9	QIEMLESLLDLLR DMVPMSNAF (SEQ ID NO: 393)	CAGATCGAAATGCTGGAATCCCTGCTGG ACCTGCTGCGTGACATGGTTCCGATGTC CAACGCTTTC (SEQ ID NO: 525)	5 gly (SEQ ID NO: 637)	C
mL15–10	EVDSLQQLLMWL DQKLASGPQA (SEQ ID NO: 394)	GAAGTTGACTCCCTGCAGCAGCTGCTGA TGTGGCTGGACCAGAAACTGGCTTCCGG TCCGCAGGCT (SEQ ID NO: 526)	5 gly (SEQ ID NO: 637)	C
mL15–11	EDESLQQLLIYLD KMLSSGPQV (SEQ ID NO: 395)	GAAGACGAATCCCTGCAGCAGCTGCTGA TCTACCTGGACAAAATGCTGTCCTCCGG TCCGCAGGTT (SEQ ID NO: 527)	5 gly (SEQ ID NO: 637)	C
mL15–12	AMDQLHQLLIWL DHKLASGPQA (SEQ ID NO: 396)	GCTATGGACCAGCTGCACCAGCTGCTGA TCTGGCTGGACCACAAACTGGCTTCCGG TCCGCAGGCT (SEQ ID NO: 528)	5 gly (SEQ ID NO: 637)	C
mL15–13	RIEMLESLLELLDE IALIPKAW (SEQ ID NO: 397)	CGTATCGAAATGCTGGAATCCCTGCTGG AACTGCTGGACGAAATCGCTCTGATCCC GAAAGCTTGG (SEQ ID NO: 529)	5 gly (SEQ ID NO: 637)	C
mL15–14	EVVSLQHLLMWL EHKLASGPDG (SEQ ID NO: 398)	GAAGTTGTTTCCCTGCAGCACCTGCTGA TGTGGCTGGAACACAAACTGGCTTCCGG TCCGGACGGT (SEQ ID NO: 530)	5 gly (SEQ ID NO: 637)	C
mL15–15	GGESLQQLLMWL DQQLASGPQR (SEQ ID NO: 399)	GGTGGTGAATCCCTGCAGCAGCTGCTGA TGTGGCTGGACCAGCAGCTGGCTTCCGG TCCGCAGCGT (SEQ ID NO: 531)	5 gly (SEQ ID NO: 637)	C
mL15–16	GVESLQQLLIFLD HMLVSGPHD (SEQ ID NO: 400)	GGTGTTGAATCCCTGCAGCAGCTGCTGA TCTTCCTGGACCACATGCTGGTTTCCGGT CCGCACGAC (SEQ ID NO: 532)	5 gly (SEQ ID NO: 637)	C
mL15–17	NVESLEHLMMWL ERLLASGPYA (SEQ ID NO: 401)	AACGTTGAATCCCTGGAACACCTGATGA TGTGGCTGGAACGTCTGCTGGCTTCCGG TCCGTACGCT (SEQ ID NO: 533)	5 gly (SEQ ID NO: 637)	C
mL15–18	QVDSLQQLLIWLD HQLASGPKR (SEQ ID NO: 402)	CAGGTTGACTCCCTGCAGCAGCTGCTGA TCTGGCTGGACCACCAGCTGGCTTCCGG TCCGAAACGT (SEQ ID NO: 534)	5 gly (SEQ ID NO: 637)	C
mL15–19	EVESLQQLLMWL EHKLAQGPQG (SEQ ID NO: 403)	GAAGTTGAATCCCTGCAGCAGCTGCTGA TGTGGCTGGAACACAAACTGGCTCAGGG TCCGCAGGGT (SEQ ID NO: 535)	5 gly (SEQ ID NO: 637)	C
mL15–20	EVDSLQQLLMWL DQKLASGPHA (SEQ ID NO: 404)	GAAGTTGACTCCCTGCAGCAGCTGCTGA TGTGGCTGGACCAGAAACTGGCTTCCGG TCCGCACGCT (SEQ ID NO: 536)	5 gly (SEQ ID NO: 637)	C
mL15–21	EVDSLQQLLMWL DQQLASGPQK (SEQ ID NO: 405)	GAAGTTGACTCCCTGCAGCAGCTGCTGA TGTGGCTGGACCAGCAGCTGGCTTCCGG TCCGCAGAAA (SEQ ID NO: 537)	5 gly (SEQ ID NO: 637)	C
mL15–22	GVEQLPQLLMWL EQKLASGPQR (SEQ ID NO: 406)	GGTGTTGAACAGCTGCCGCAGCTGCTGA TGTGGCTGGAACAGAAACTGGCTTCCGG TCCGCAGCGT (SEQ ID NO: 538)	5 gly (SEQ ID NO: 637)	C

mL15–23	GEDSLQQLLMWL DQQLAAGPQV (SEQ ID NO: 407)	GGTGAAGACTCCCTGCAGCAGCTGCTGA TGTGGCTGGACCAGCAGCTGGCTGCTGG TCCGCAGGTT (SEQ ID NO: 539)	5 gly (SEQ ID NO: 637)	C
mL15–24	ADDSLQQLLMWL DRKLASGPHV (SEQ ID NO: 408)	GCTGACGACTCCCTGCAGCAGCTGCTGA TGTGGCTGGACCGTAAACTGGCTTCCGG TCCGCACGTT (SEQ ID NO: 540)	5 gly (SEQ ID NO: 637)	C
mL15–25	PVDSLQQLLIWLD QKLASGPQG (SEQ ID NO: 409)	CCGGTTGACTCCCTGCAGCAGCTGCTGA TCTGGCTGGACCAGAAACTGGCTTCCGG TCCGCAGGGT (SEQ ID NO: 541)	5 gly (SEQ ID NO: 637)	C
mL17–Con2	QSRATLLKEFWQL VEGLGDKQA (SEQ ID NO: 411)	CAGTCCCGTGCTACCCTGCTGAAAGAAT TCTGGCAGCTGGTTGAAGGTCTGGGTGA CAAACAGGCT (SEQ ID NO: 542)	5 gly (SEQ ID NO: 637)	C
mL17–19	EIRATLLKEFWQL VDEWREQPN (SEQ ID NO: 430)	GAAATCCGTGCTACCCTGCTGAAAGAAT TCTGGCAGCTGGTTGACGAATGGCGTGA ACAGCCGAAC (SEQ ID NO: 543)	5 gly (SEQ ID NO: 637)	C
mL17–20	QLRATLLKEFLQL VHGLGETDS (SEQ ID NO: 431)	CAGCTGCGTGCTACCCTGCTGAAAGAAT TCCTGCAGCTGGTTCACGGTCTGGGTGA AACCGACTCC (SEQ ID NO: 544)	5 gly (SEQ ID NO: 637)	C
mL17–21	TQRATLLKEFWQ LIEGLGGKHV (SEQ ID NO: 432)	ACCCAGCGTGCTACCCTGCTGAAAGAAT TCTGGCAGCTGATCGAAGGTCTGGGTGG TAAACACGTT (SEQ ID NO: 545)	5 gly (SEQ ID NO: 637)	C
mL17–22	HYRATLLKEFWQ LVDGLREQGV (SEQ ID NO: 433)	CACTACCGTGCTACCCTGCTGAAAGAAT TCTGGCAGCTGGTTGACGGTCTGCGTGA ACAGGGTGTT (SEQ ID NO: 546)	5 gly (SEQ ID NO: 637)	C
mL17–23	QSRVTLLREFWQL VESYRPIVN (SEQ ID NO: 434)	CAGTCCCGTGTTACCCTGCTGCGTGAATT CTGGCAGCTGGTTGAATCCTACCGTCCG ATCGTTAAC (SEQ ID NO: 547)	5 gly (SEQ ID NO: 637)	C
mL17–24	LSRATLLNEFWQF VDGQRDKRM (SEQ ID NO: 435)	CTGTCCCGTGCTACCCTGCTGAACGAAT TCTGGCAGTTCGTTGACGGTCAGCGTGA CAAACGTATG (SEQ ID NO: 548)	5 gly (SEQ ID NO: 637)	C
mL17–25	WDRATLLNDFWH LMEELSQKPG (SEQ ID NO: 436)	TGGGACCGTGCTACCCTGCTGAACGACT TCTGGCACCTGATGGAAGAACTGTCCCA GAAACCGGGT (SEQ ID NO: 549)	5 gly (SEQ ID NO: 637)	C
mL17–26	QERATLLKEFWR MVEGLGKNRG (SEQ ID NO: 437)	CAGGAACGTGCTACCCTGCTGAAAGAAT TCTGGCGTATGGTTGAAGGTCTGGGTAA AAACCGTGGT (SEQ ID NO: 550)	5 gly (SEQ ID NO: 637)	C
mL17–27	NERATLLREFWQL VGGYGVNQR (SEQ ID NO: 438)	AACGAACGTGCTACCCTGCTGCGTGAAT TCTGGCAGCTGGTTGGTGGTTACGGTGT TAACCAGCGT (SEQ ID NO: 551)	5 gly (SEQ ID NO: 637)	C
mTN8Con6–1	QREWYPCYGGHL WCYDLHKA (SEQ ID NO: 347)	CAGCGTGAATGGTACCCGTGCTACGGTG GTCACCTGTGGTGCTACGACCTGCACAA AGCT (SEQ ID NO: 552)	5 gly (SEQ ID NO: 637)	C
mTN8Con6–2	ISAWYSCYAGHF WCWDLKQK (SEQ ID NO: 348)	ATCTCCGCTTGGTACTCCTGCTACGCTGG TCACTTCTGGTGCTGGGACCTGAAACAG AAA (SEQ ID NO: 553)	5 gly (SEQ ID NO: 637)	C

mTN8Con6–3	WTGWYQCYGGH LWCYDLRRK (SEQ ID NO: 349)	TGGACCGGTTGGTACCAGTGCTACGGTG GTCACCTGTGGTGCTACGACCTGCGTCG TAAA (SEQ ID NO: 554)	5 gly (SEQ ID NO: 637)	C
mTN8Con6–4	KTFWYPCYDGHF WCYNLKSS (SEQ ID NO: 350)	AAAACCTTCTGGTACCCGTGCTACGACG GTCACTTCTGGTGCTACAACCTGAAATC CTCC (SEQ ID NO: ~~545~~555)	5 gly (SEQ ID NO: 637)	C
mTN8Con6–5	ESRWYPCYEGHL WCFDLTET (SEQ ID NO: 351)	GAATCCCGTTGGTACCCGTGCTACGAAG GTCACCTGTGGTGCTTCGACCTGACCGA AACC (SEQ ID NO: ~~546~~556)	5 gly (SEQ ID NO: 637)	C
mL24–1	NVFFQWVQKHGR VVYQWLDINV (SEQ ID NO: 453)	AATGTTTTTTTTCAATGGGTTCAAAAACA TGGTCGTGTTGTTTATCAATGGCTTGATA TTAATGTT (SEQ ID NO: 557)	5 gly (SEQ ID NO: 637)	C
mL24–2	FDFLQWLQNHRS EVEHWLVMDV (SEQ ID NO: 454)	TTTGATTTTCTTCAATGGCTTCAAAATCA TCGTTCTGAAGTTGAACATTGGCTTGTTA TGGATGTT (SEQ ID NO: 558)	5 gly (SEQ ID NO: 637)	C
mL20–1	HQRDMSMLWELL DVLDGLRQYS (SEQ ID NO: 439)	CATCAACGTGATATGTCTATGCTTTGGG AACTTCTTGATGTTCTTGATGGTCTTCGT CAATATTCT (SEQ ID NO: 559)	5 gly (SEQ ID NO: 637)	C
mL20–2	TQRDMSMLDGLL EVLDQLRQQR (SEQ ID NO: 440)	ACTCAACGTGATATGTCTATGCTTGATG GTCTTCTTGAAGTTCTTGATCAACTTCGT CAACAACGT (SEQ ID NO: 560)	5 gly (SEQ ID NO: 637)	C
mL20–3	TSRDMSLLWELLE ELDRLGHQR (SEQ ID NO: 441)	ACCTCCCGTGACATGTCCCTGCTGTGGG AACTGCTGGAAGAACTGGACCGTCTGGG TCACCAGCGT (SEQ ID NO: 561)	5 gly (SEQ ID NO: 637)	C
mL20–4	MQHDMSMLYGL VELLESLGHQI (SEQ ID NO: 442)	ATGCAACATGATATGTCTATGCTTTATG GTCTTGTTGAACTTCTTGAATCTCTTGGT CATCAAATT (SEQ ID NO: 562)	5 gly (SEQ ID NO: 637)	C
mL20–5	WNRDMRMLESLF EVLDGLRQQV (SEQ ID NO: 443)	TGGAATCGTGATATGCGTATGCTTGAAT CTCTTTTTGAAGTTCTTGATGGTCTTCGT CAACAAGTT (SEQ ID NO: 563)	5 gly (SEQ ID NO: 637)	C
mL20–6	GYRDMSMLEGLL AVLDRLGPQL (SEQ ID NO: 444)	GGTTATCGTGATATGTCTATGCTTGAAG GTCTTCTTGCTGTTCTTGATCGTCTTGGT CCACAACTT (SEQ ID NO: 564)	5 gly (SEQ ID NO: 637)	C
mL20 Con1	TQRDMSMLEGLL EVLDRLGQQR (SEQ ID NO: 445)	ACTCAACGTGATATGTCTATGCTTGAAG GTCTTCTTGAAGTTCTTGATCGTCTTGGT CAACAACGT (SEQ ID NO: 565)	5 gly (SEQ ID NO: 637)	C
mL20 Con2	WYRDMSMLEGLL EVLDRLGQQR (SEQ ID NO: 446)	TGGTACCGTGACATGTCCATGCTGGAAG GTCTGCTGGAAGTTCTGGACCGTCTGGG TCAGCAGCGT (SEQ ID NO: 566)	5 gly (SEQ ID NO: 637)	C
mL21–1	TQNSRQMLLSDF MMLVGSMIQG (SEQ ID NO: 447)	ACTCAAAATTCTCGTCAAATGCTTCTTTC TGATTTTATGATGCTTGTTGGTTCTATGA TTCAAGGT (SEQ ID NO: 567)	5 gly (SEQ ID NO: 637)	C
mL21–2	MQTSRHILLSEFM MLVGSIMHG (SEQ ID NO: 448)	ATGCAAACTTCTCGTCATATTCTTCTTTC TGAATTTATGATGCTTGTTGGTTCTATTA TGCATGGT (SEQ ID NO: 568)	5 gly (SEQ ID NO: 637)	C

mL21–3	HDNSRQMLLSDL LHLVGTMIQG (SEQ ID NO: 449)	CACGACAACTCCCGTCAGATGCTGCTGT CCGACCTGCTGCACCTGGTTGGTACCAT GATCCAGGGT (SEQ ID NO: 569)	5 gly (SEQ ID NO: 637)	C
mL21–4	MENSRQNLLRELI MLVGNMSHQ (SEQ ID NO: 450)	ATGGAAAACTCCCGTCAGAACCTGCTGC GTGAACTGATCATGCTGGTTGGTAACAT GTCCCACCAG (SEQ ID NO: 570)	5 gly (SEQ ID NO: 637)	C
mL21–5	QDTSRHMLLREF MMLVGEMIQG (SEQ ID NO: 451)	CAGGACACCTCCCGTCACATGCTGCTGC GTGAATTCATGATGCTGGTTGGTGAAAT GATCCAGGGT (SEQ ID NO: 571)	5 gly (SEQ ID NO: 637)	C
mL21 Con1	DQNSRQMLLSDL MILVGSMIQG (SEQ ID NO: 452)	GACCAGAACTCCCGTCAGATGCTGCTGT CCGACCTGATGATCCTGGTTGGTTCCAT GATCCAGGGT (SEQ ID NO: 572)	5 gly (SEQ ID NO: 637)	C
mTN8–19–1	VALHGQCTRWPW MCPPQREG (SEQ ID NO: 305)	GTTGCTCTTCATGGTCAATGTACTCGTTG GCCATGGATGTGTCCACCACAACGTGAA GGT (SEQ ID NO: 573)	5 gly (SEQ ID NO: 637)	C
mTN8–19–2	YPEQGLCTRWPW MCPPQTLA (SEQ ID NO: 306)	TATCCAGAACAAGGTCTTTGTACTCGTT GGCCATGGATGTGTCCACCACAAACTCT TGCT (SEQ ID N: 574)	5 gly (SEQ ID NO: 637)	C
mTN8–19–3	GLNQGHCTRWPW MCPPQDSN (SEQ ID NO: 307)	GGTCTGAACCAGGGTCACTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGGACTC CAAC (SEQ ID NO: 575)	5 gly (SEQ ID NO: 637)	C
mTN8–19–4	MITQGQCTRWPW MCPPQPSG (SEQ ID NO: 308)	ATGATTACTCAAGGTCAATGTACTCGTT GGCCATGGATGTGTCCACCACAACCATC TGGT (SEQ ID NO: 576)	5 gly (SEQ ID NO: 637)	C
mTN8–19–5	AGAQEHCTRWPW MCAPNDWI (SEQ ID NO: 309)	GCTGGTGCTCAGGAACACTGCACCCGTT GGCCGTGGATGTGCGCTCCGAACGACTG GATC (SEQ ID NO: 577)	5 gly (SEQ ID NO: 637)	C
mTN8–19–6	GVNQGQCTRWR WMCPPNGWE (SEQ ID NO: 310)	GGTGTTAACCAGGGTCAGTGCACCCGTT GGCGTTGGATGTGCCCGCCGAACGGTTG GGAA (SEQ ID NO: 578)	5 gly (SEQ ID NO: 637)	C
mTN8–19–7	LADHGQCIRWPW MCPPEGWE (SEQ ID NO: 311)	CTGGCTGACCACGGTCAGTGCATCCGTT GGCCGTGGATGTGCCCGCCGGAAGGTTG GGAA (SEQ ID NO: 579)	5 gly (SEQ ID NO: 637)	C
mTN8–19–8	ILEQAQCTRWPW MCPPQRGG (SEQ ID NO: 312)	ATCCTGGAACAGGCTCAGTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGCGTGG TGGT (SEQ ID NO: 580)	5 gly (SEQ ID NO: 637)	C
mTN8–19–9	TQTHAQCTRWPW MCPPQWEG (SEQ ID NO: 313)	ACTCAAACTCATGCTCAATGTACTCGTT GGCCATGGATGTGTCCACCACAATGGGA AGGT (SEQ ID NO: 581)	5 gly (SEQ ID NO: 637)	C
mTN8–19–10	VVTQGHCTLWPW MCPPQRWR (SEQ ID NO: 314)	GTTGTTACTCAAGGTCATTGTACTCTTTG GCCATGGATGTGTCCACCACAACGTTGG CGT (SEQ ID NO: 582)	5 gly (SEQ ID NO: 637)	C
mTN8–19–11	IYPHDQCTRWPW MCPPQPYP (SEQ ID NO: 315)	ATTTATCCACATGATCAATGTACTCGTTG GCCATGGATGTGTCCACCACAACCATAT CCA (SEQ ID NO: 583)	5 gly (SEQ ID NO: 637)	C
mTN8–19–12	SYWQGQCTRWP WMCPPQWRG (SEQ ID NO: 316)	TCTTATTGGCAAGGTCAATGTACTCGTTG GCCATGGATGTGTCCACCACAATGGCGT GGT (SEQ ID NO: 584)	5 gly (SEQ ID NO: 637)	C

mTN8–19–13	MWQQGHCTRWPW MCPPQGWG (SEQ ID NO: 317)	ATGTGGCAACAAGGTCATTGTACTCGTTGG CCATGGATGTGTCCACCACAAGGTTGGGGT (SEQ ID NO: 585)	5 gly (SEQ ID NO: 637)	C
mTN8–19–14	EFTQWHCTRWPW MCPPQRSQ (SEQ ID NO: 318)	GAATTCACCCAGTGGCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGCGTTCCCAG (SEQ ID NO: 586)	5 gly (SEQ ID NO: 637)	C
mTN8–19–15	LDDQWQCTRWPW MCPPQGFS (SEQ ID NO: 319)	CTGGACGACCAGTGGCAGTGCACCCGTTG GCCGTGGATGTGCCCGCCGCAGGGTTTCTC C (SEQ ID NO: 587)	5 gly (SEQ ID NO: 637)	C
mTN8–19–16	YQTQGLCTRWPW MCPPQSQR (SEQ ID NO: 320)	TATCAAACTCAAGGTCTTTGTACTCGTTGG CCATGGATGTGTCCACCACAATCTCAACGT (SEQ ID NO: 588)	5 gly (SEQ ID NO: 637)	C
mTN8–19–17	ESNQGQCTRWPW MCPPQGGW (SEQ ID NO: 321)	GAATCTAATCAAGGTCAATGTACTCGTTGG CCATGGATGTGTCCACCACAAGGTGGTTGG (SEQ ID NO: 589)	5 gly (SEQ ID NO: 637)	C
mTN8–19–18	WTDRGPCTRWPW MCPPQANG (SEQ ID NO: 322)	TGGACCGACCGTGGTCCGTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGGCTAACGGT (SEQ ID NO: 590)	5 gly (SEQ ID NO: 637)	C
mTN8–19–19	VGTQGQCTRWPW MCPPYETG (SEQ ID NO: 323)	GTTGGTACCCAGGGTCAGTGCACCCGTTGG CCGTGGATGTGCCCGCCGTACGAAACCGGT (SEQ ID NO: 591)	5 gly (SEQ ID NO: 637)	C
mTN8–19–20	PYEQGKCTRWPW MCPPYEVE (SEQ ID NO: 324)	CCGTACGAACAGGGTAAATGCACCCGTTG GCCGTGGATGTGCCCGCCGTACGAAGTTGA A (SEQ ID NO: 592)	5 gly (SEQ ID NO: 637)	C
mTN8–19–21	SEYQGLCTRWPW MCPPQGWK (SEQ ID NO: 325)	TCCGAATACCAGGGTCTGTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGGGTTGGAA A (SEQ ID NO: 593)	5 gly (SEQ ID NO: 637)	C
mTN8–19–22	TFSQGHCTRWPWM CPPQGWG (SEQ ID NO: 326)	ACCTTCTCCCAGGGTCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGGGTTGGGGT (SEQ ID NO: 594)	5 gly (SEQ ID NO: 637)	C
mTN8–19–23	PGAHDHCTRWPW MCPPQSRY (SEQ ID NO: 327)	CCGGGTGCTCACGACCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGTCCCGTTAC (SEQ ID NO: 595)	5 gly (SEQ ID NO: 637)	C
mTN8–19–24	VAEEWHCRRWPW MCPPQDWR (SEQ ID NO: 328)	GTTGCTGAAGAATGGCACTGCCGTCGTTGG CCGTGGATGTGCCCGCCGCAGGACTGGCGT (SEQ ID NO: 596)	5 gly (SEQ ID NO: 637)	C
mTN8–19–25	VGTQGHCTRWPW MCPPQPAG (SEQ ID NO: 329)	GTTGGTACCCAGGGTCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGCCGGCTGGT (SEQ ID NO: 597)	5 gly (SEQ ID NO: 637)	C
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mTN8–19–27	ADTQGHCTRWPW MCPPQHWF (SEQ ID NO: 331)	GCTGACACCCAGGGTCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGCACTGGTTC (SEQ ID NO: 599)	5 gly (SEQ ID NO: 637)	C
mTN8–19–28	SGPQGHCTRWPW MCAPQGWF (SEQ ID NO: 332)	TCCGGTCCGCAGGGTCACTGCACCCGTTGG CCGTGGATGTGCGCTCCGCAGGGTTGGTTC (SEQ ID NO: 600)	5 gly (SEQ ID NO: 637)	C
mTN8–19–29	TLVQGHCTRWPW MCPPQRWV (SEQ ID NO: 333)	ACCCTGGTTCAGGGTCACTGCACCCGTTGG CCGTGGATGTGCCCGCCGCAGCGTTGGGTT (SEQ ID NO: 601)	5 gly (SEQ ID NO: 637)	C

mTN8–19–30	GMAHGKCTRWA WMCPPQSWK (SEQ ID NO: 334)	GGTATGGCTCACGGTAAATGCACCCGTT GGGCTTGGATGTGCCCGCCGCAGTCCTG GAAA (SEQ ID NO: 602)	5 gly (SEQ ID NO: 637)	C
mTN8–19–31	ELYHGQCTRWPW MCPPQSWA (SEQ ID NO: 335)	GAACTGTACCACGGTCAGTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGTCCTG GGCT (SEQ ID NO: 603)	5 gly (SEQ ID NO: 637)	C
mTN8–19–32	VADHGHCTRWP WMCPPQGWG (SEQ ID NO: 336)	GTTGCTGACCACGGTCACTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGGGTTG GGGT (SEQ ID NO: 604	5 gly (SEQ ID NO: 637)	C
mTN8–19–33	PESQGHCTRWPW MCPPQGWG (SEQ ID NO: 337)	CCGGAATCCCAGGGTCACTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGGGTTG GGGT (SEQ ID NO: 605)	5 gly (SEQ ID NO: 637)	C
mTN8–19–34	IPAHGHCTRWPW MCPPQRWR (SEQ ID NO: 338)	ATCCCGGCTCACGGTCACTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGCGTTG GCGT (SEQ ID NO: 606)	5 gly (SEQ ID NO: 637)	C
mTN8–19–35	FTVHGHCTRWPW MCPPYGWV (SEQ ID NO: 339)	TTCACCGTTCACGGTCACTGCACCCGTT GGCCGTGGATGTGCCCGCCGTACGGTTG GGTT (SEQ ID NO: 607)	5 gly (SEQ ID NO: 637)	C
mTN8–19–36	PDFPGHCTRWRW MCPPQGWE (SEQ ID NO: 340)	CCAGATTTTCCAGGTCATTGTACTCGTTG GCGTTGGATGTGTCCACCACAAGGTTGG GAA (SEQ ID NO: 608)	5 gly (SEQ ID NO: 637)	C
mTN8–19–37	QLWQGPCTQWP WMCPPKGRY (SEQ ID NO: 341)	CAGCTGTGGCAGGGTCCGTGCACCCAGT GGCCGTGGATGTGCCCGCCGAAAGGTCG TTAC (SEQ ID NO: 609)	5 gly (SEQ ID NO: 637)	C
mTN8–19–38	HANDGHCTRWQ WMCPPQWGG (SEQ ID NO: 342)	CACGCTAACGACGGTCACTGCACCCGTT GGCAGTGGATGTGCCCGCCGCAGTGGGG TGGT (SEQ ID NO: 610)	5 gly (SEQ ID NO: 637)	C
mTN8–19–39	ETDHGLCTRWPW MCPPYGAR (SEQ ID NO: 343)	GAAACCGACCACGGTCTGTGCACCCGTT GGCCGTGGATGTGCCCGCCGTACGGTGC TCGT (SEQ ID NO: 611)	5 gly (SEQ ID NO: 637)	C
mTN8–19–40	GTWQGLCTRWP WMCPPQGWQ (SEQ ID NO: 344)	GGTACCTGGCAGGGTCTGTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGGGTTG GCAG (SEQ ID NO: 612)	5 gly (SEQ ID NO: 637)	C
mTN8–19 Con1	VATQGQCTRWPW MCPPQGWG (SEQ ID NO: 345)	GTTGCTACCCAGGGTCAGTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGGGTTG GGGT (SEQ ID NO: 613)	5 gly (SEQ ID NO: 637)	C
mTN8–19 Con2	VATQGQCTRWPW MCPPQRWG (SEQ ID NO: 346)	GTTGCTACCCAGGGTCAGTGCACCCGTT GGCCGTGGATGTGCCCGCCGCAGCGTTG GGGT (SEQ ID NO: 614)	5 gly (SEQ ID NO: 637)	C
2X mTN8–19–7	FC–5G–AQ–LADHGQCIRWPW MCPPEGWELEGS GSATGGSGSTASS GSGSATGLADHG QCIRWPWMCPPE GWE–LE (SEQ ID NO: 615)	CTTGCTGATCATGGTCAATGTATTCGTTG GCCATGGATGTGTCCACCAGAAGGTTGG GAACTCGAGGGTTCCGGTTCCGCTACCG GCGGCTCTGGCTCCACTGCTTCTTCCGGT TCCGGTTCTGCTACTGGTCTGGCTGACCA CGGTCAGTGCATCCGTTGGCCGTGGATG TGCCCGCCGGAAGGTTGGGAACTGGAA (SEQ ID NO: 616)	1K	C

recycling through FcRn1 and extends residence time into a therapeutically useful range. The data from this study indicate that inhibition of myostatin can induce relevant physiologic effects in target tissue.

[0312] AMG 745 is consists of 2 identical polypeptide chains, which are covalently linked through disulfide bonds. The N-terminal portion of each chain consists of the human IgG1 Fc sequence which is fused at the C-terminus via a glycine (five glycines plus AQ (SEQ ID NO: 636)) linker to an anti-myostatin peptide. Each polypeptide chain consists of 255 amino acids beginning with the amino acid methionine and ending with glutamic acid. There are 3 intrachain disulfide links between residues Cys^{42}-Cys^{102}, Cys^{148}-Cys^{206}, and Cys^{242}-Cys^{249} on each polypeptide chain and 2 interchain disulfide links between Cys^{7}_{chain1}-Cys^{7}_{chain2}, and Cys^{10}_{chain1}-Cys^{10}_{chain2}. The 510 amino acids that constitute the AMG 745 molecule yield a theoretical molecular mass of 57,099 daltons. As a microbially expressed protein, AMG 745 is not glycosylated.

[0313] The 255 residue amino acid sequence of each polypeptide chain (SEQ ID NO:635) of AMG 745 is shown below. The plain font portion of the sequence indicates the IgG1 Fc sequence (SEQ ID NO:296). The bold font portion indicates the five glycine plus AQ linker sequence (SEQ ID NO:636). The bold and italic portion of the sequence indicates the anti-myostatin peptide (SEQ ID NO:311).

AMG 745 Sequence (amino acid)
MDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSRDELT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTPPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGK**GG GGGAQ*LADHG QCIRWPWMCP PEGWE (SEQ ID NO:635)***

Expression and Preparation

[0314] AMG 745 was expressed as insoluble inclusion bodies by fermentation of *E coli* as described herein. Typical fermentation proceeds for 12 to16 hours post induction, followed by cell harvest with a disk-stack centrifuge. Lysing the cells with high-pressure homogenization isolated the inclusion bodies. After wash and centrifugation, the resulting double-washed inclusion body slurry (DWIBs) was stored at -30° ± 10°C until purification.

SEQUENCE LISTING

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PINTA BIOTHERAPEUTICS, INC.

<120> MYOSTATIN ANTAGONISM IN HUMAN SUBJECTS

<130> 29956-26324/PCT

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<150> 61/799,928
<151> 2013-03-15

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<400> 44
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1 5 10

<210> 45
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 45
Val Val Gly Cys Lys Trp Tyr Glu Ala Trp Cys Tyr Asn Lys
1 5 10

<210> 46
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 46
Pro Ile His Cys Thr Gln Trp Ala Trp Met Cys Pro Pro Thr
1 5 10

<210> 47
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 47
Asp Ser Asn Cys Pro Trp Tyr Phe Leu Ser Cys Val Ile Phe
1 5 10

<210> 48
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 48
His Ile Trp Cys Asn Leu Ala Met Met Lys Cys Val Glu Met
1 5 10

<210> 49
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 49
Asn Leu Gln Cys Ile Tyr Phe Leu Gly Lys Cys Ile Tyr Phe
1 5 10

<210> 50
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 50
Ala Trp Arg Cys Met Trp Phe Ser Asp Val Cys Thr Pro Gly
1 5 10

<210> 51
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 51
Trp Phe Arg Cys Phe Leu Asp Ala Asp Trp Cys Thr Ser Val
1 5 10

<210> 52
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 52
Glu Lys Ile Cys Gln Met Trp Ser Trp Met Cys Ala Pro Pro
1 5 10

<210> 53

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 53
Trp Phe Tyr Cys His Leu Asn Lys Ser Glu Cys Thr Glu Pro
1 5 10

<210> 54
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 54
Phe Trp Arg Cys Ala Ile Gly Ile Asp Lys Cys Lys Arg Val
1 5 10

<210> 55
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 55
Asn Leu Gly Cys Lys Trp Tyr Glu Val Trp Cys Phe Thr Tyr
1 5 10

<210> 56
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 56
Ile Asp Leu Cys Asn Met Trp Asp Gly Met Cys Tyr Pro Pro
1 5 10

<210> 57
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 57
Glu Met Pro Cys Asn Ile Trp Gly Trp Met Cys Pro Pro Val
1 5 10

<210> 58
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 58
Trp Phe Arg Cys Val Leu Thr Gly Ile Val Asp Trp Ser Glu Cys Phe
1 5 10 15

Gly Leu

<210> 59
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 59
Trp Phe Arg Cys Val Leu Thr Gly Ile Val Asp Trp Ser Glu Cys Phe
1 5 10 15

Gly Leu

<210> 60
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 60
Leu Pro Trp Cys His Asp Gln Val Asn Ala Asp Trp Gly Phe Cys Met
1 5 10 15

Leu Trp

<210> 61
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 61
Tyr Pro Thr Cys Ser Glu Lys Phe Trp Ile Tyr Gly Gln Thr Cys Val
1 5 10 15

Leu Trp

<210> 62
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 62
Leu Gly Pro Cys Pro Ile His His Gly Pro Trp Pro Gln Tyr Cys Val
1 5 10 15

Tyr Trp

<210> 63
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 63
Pro Phe Pro Cys Glu Thr His Gln Ile Ser Trp Leu Gly His Cys Leu
1 5 10 15

Ser Phe

<210> 64
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 64
His Trp Gly Cys Glu Asp Leu Met Trp Ser Trp His Pro Leu Cys Arg
1 5 10 15

Arg Pro

<210> 65
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 65
Leu Pro Leu Cys Asp Ala Asp Met Met Pro Thr Ile Gly Phe Cys Val
1 5 10 15

Ala Tyr

<210> 66
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 66
Ser His Trp Cys Glu Thr Thr Phe Trp Met Asn Tyr Ala Lys Cys Val
1 5 10 15

His Ala

<210> 67
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 67
Leu Pro Lys Cys Thr His Val Pro Phe Asp Gln Gly Gly Phe Cys Leu
1 5 10 15

Trp Tyr

<210> 68
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 68
Phe Ser Ser Cys Trp Ser Pro Val Ser Arg Gln Asp Met Phe Cys Val
1 5 10 15

Phe Tyr

<210> 69
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 69
Ser His Lys Cys Glu Tyr Ser Gly Trp Leu Gln Pro Leu Cys Tyr Arg
1 5 10 15

Pro

<210> 70
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 70
Pro Trp Trp Cys Gln Asp Asn Tyr Val Gln His Met Leu His Cys Asp
1 5 10 15

Ser Pro

<210> 71
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 71
Trp Phe Arg Cys Met Leu Met Asn Ser Phe Asp Ala Phe Gln Cys Val
1 5 10 15

Ser Tyr

<210> 72
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 72
Pro Asp Ala Cys Arg Asp Gln Pro Trp Tyr Met Phe Met Gly Cys Met
1 5 10 15

Leu Gly

<210> 73

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 73
Phe Leu Ala Cys Phe Val Glu Phe Glu Leu Cys Phe Asp Ser
1 5 10

<210> 74
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 74
Ser Ala Tyr Cys Ile Ile Thr Glu Ser Asp Pro Tyr Val Leu Cys Val
1 5 10 15

Pro Leu

<210> 75
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 75
Pro Ser Ile Cys Glu Ser Tyr Ser Thr Met Trp Leu Pro Met Cys Gln
1 5 10 15

His Asn

<210> 76
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 76
Trp Leu Asp Cys His Asp Asp Ser Trp Ala Trp Thr Lys Met Cys Arg
1 5 10 15

Ser His

<210> 77

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 77
Tyr Leu Asn Cys Val Met Met Asn Thr Ser Pro Phe Val Glu Cys Val
1 5 10 15

Phe Asn

<210> 78
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 78
Tyr Pro Trp Cys Asp Gly Phe Met Ile Gln Gln Gly Ile Thr Cys Met
1 5 10 15

Phe Tyr

<210> 79
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 79
Phe Asp Tyr Cys Thr Trp Leu Asn Gly Phe Lys Asp Trp Lys Cys Trp
1 5 10 15

Ser Arg

<210> 80
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 80
Leu Pro Leu Cys Asn Leu Lys Glu Ile Ser His Val Gln Ala Cys Val
1 5 10 15

Leu Phe

<210> 81
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 81
Ser Pro Glu Cys Ala Phe Ala Arg Trp Leu Gly Ile Glu Gln Cys Gln
1 5 10 15

Arg Asp

<210> 82
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 82
Tyr Pro Gln Cys Phe Asn Leu His Leu Leu Glu Trp Thr Glu Cys Asp
1 5 10 15

Trp Phe

<210> 83
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 83
Arg Trp Arg Cys Glu Ile Tyr Asp Ser Glu Phe Leu Pro Lys Cys Trp
1 5 10 15

Phe Phe

<210> 84
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 84
Leu Val Gly Cys Asp Asn Val Trp His Arg Cys Lys Leu Phe

1 5 10

<210> 85
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 85
Ala Gly Trp Cys His Val Trp Gly Glu Met Phe Gly Met Gly Cys Ser
1 5 10 15

Ala Leu

<210> 86
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 86
His His Glu Cys Glu Trp Met Ala Arg Trp Met Ser Leu Asp Cys Val
1 5 10 15

Gly Leu

<210> 87
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 87
Phe Pro Met Cys Gly Ile Ala Gly Met Lys Asp Phe Asp Phe Cys Val
1 5 10 15

Trp Tyr

<210> 88
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 88
Arg Asp Asp Cys Thr Phe Trp Pro Glu Trp Leu Trp Lys Leu Cys Glu

1 5 10 15

Arg Pro

<210> 89
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 89
Tyr Asn Phe Cys Ser Tyr Leu Phe Gly Val Ser Lys Glu Ala Cys Gln
1 5 10 15

Leu Pro

<210> 90
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 90
Ala His Trp Cys Glu Gln Gly Pro Trp Arg Tyr Gly Asn Ile Cys Met
1 5 10 15

Ala Tyr

<210> 91
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 91
Asn Leu Val Cys Gly Lys Ile Ser Ala Trp Gly Asp Glu Ala Cys Ala
1 5 10 15

Arg Ala

<210> 92
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 92
His Asn Val Cys Thr Ile Met Gly Pro Ser Met Lys Trp Phe Cys Trp
1 5 10 15

Asn Asp

<210> 93
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 93
Asn Asp Leu Cys Ala Met Trp Gly Trp Arg Asn Thr Ile Trp Cys Gln
1 5 10 15

Asn Ser

<210> 94
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 94
Pro Pro Phe Cys Gln Asn Asp Asn Asp Met Leu Gln Ser Leu Cys Lys
1 5 10 15

Leu Leu

<210> 95
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 95
Trp Tyr Asp Cys Asn Val Pro Asn Glu Leu Leu Ser Gly Leu Cys Arg
1 5 10 15

Leu Phe

<210> 96
<211> 18
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 96
Tyr Gly Asp Cys Asp Gln Asn His Trp Met Trp Pro Phe Thr Cys Leu
1 5 10 15

Ser Leu

<210> 97
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 97
Gly Trp Met Cys His Phe Asp Leu His Asp Trp Gly Ala Thr Cys Gln
1 5 10 15

Pro Asp

<210> 98
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 98
Tyr Phe His Cys Met Phe Gly Gly His Glu Phe Glu Val His Cys Glu
1 5 10 15

Ser Phe

<210> 99
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 99
Ala Tyr Trp Cys Trp His Gly Gln Cys Val Arg Phe
1 5 10

<210> 100
<211> 19
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 100
Ser Glu His Trp Thr Phe Thr Asp Trp Asp Gly Asn Glu Trp Trp Val
1 5 10 15

Arg Pro Phe

<210> 101
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 101
Met Glu Met Leu Asp Ser Leu Phe Glu Leu Leu Lys Asp Met Val Pro
1 5 10 15

Ile Ser Lys Ala
20

<210> 102
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 102
Ser Pro Pro Glu Glu Ala Leu Met Glu Trp Leu Gly Trp Gln Tyr Gly
1 5 10 15

Lys Phe Thr

<210> 103
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 103
Ser Pro Glu Asn Leu Leu Asn Asp Leu Tyr Ile Leu Met Thr Lys Gln
1 5 10 15

Glu Trp Tyr Gly
20

<210> 104
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 104
Phe His Trp Glu Glu Gly Ile Pro Phe His Val Val Thr Pro Tyr Ser
1 5 10 15

Tyr Asp Arg Met
20

<210> 105
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 105
Lys Arg Leu Leu Glu Gln Phe Met Asn Asp Leu Ala Glu Leu Val Ser
1 5 10 15

Gly His Ser

<210> 106
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 106
Asp Thr Arg Asp Ala Leu Phe Gln Glu Phe Tyr Glu Phe Val Arg Ser
1 5 10 15

Arg Leu Val Ile
20

<210> 107
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 107
Arg Met Ser Ala Ala Pro Arg Pro Leu Thr Tyr Arg Asp Ile Met Asp
1 5 10 15

Gln Tyr Trp His
20

<210> 108
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 108
Asn Asp Lys Ala His Phe Phe Glu Met Phe Met Phe Asp Val His Asn
1 5 10 15

Phe Val Glu Ser
20

<210> 109
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 109
Gln Thr Gln Ala Gln Lys Ile Asp Gly Leu Trp Glu Leu Leu Gln Ser
1 5 10 15

Ile Arg Asn Gln
20

<210> 110
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 110
Met Leu Ser Glu Phe Glu Glu Phe Leu Gly Asn Leu Val His Arg Gln
1 5 10 15

Glu Ala

<210> 111
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 111
Tyr Thr Pro Lys Met Gly Ser Glu Trp Thr Ser Phe Trp His Asn Arg
1 5 10 15

Ile His Tyr Leu
20

<210> 112
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 112
Leu Asn Asp Thr Leu Leu Arg Glu Leu Lys Met Val Leu Asn Ser Leu
1 5 10 15

Ser Asp Met Lys
20

<210> 113
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 113
Phe Asp Val Glu Arg Asp Leu Met Arg Trp Leu Glu Gly Phe Met Gln
1 5 10 15

Ser Ala Ala Thr
20

<210> 114
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 114
His His Gly Trp Asn Tyr Leu Arg Lys Gly Ser Ala Pro Gln Trp Phe
1 5 10 15

Glu Ala Trp Val
20

<210> 115
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 115
Val Glu Ser Leu His Gln Leu Gln Met Trp Leu Asp Gln Lys Leu Ala
1 5 10 15

Ser Gly Pro His
20

<210> 116
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 116
Arg Ala Thr Leu Leu Lys Asp Phe Trp Gln Leu Val Glu Gly Tyr Gly
1 5 10 15

Asp Asn

<210> 117
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 117
Glu Glu Leu Leu Arg Glu Phe Tyr Arg Phe Val Ser Ala Phe Asp Tyr
1 5 10 15

<210> 118
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 118
Gly Leu Leu Asp Glu Phe Ser His Phe Ile Ala Glu Gln Phe Tyr Gln
1 5 10 15

Met Pro Gly Gly
20

<210> 119
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 119
Tyr Arg Glu Met Ser Met Leu Glu Gly Leu Leu Asp Val Leu Glu Arg
1 5 10 15

Leu Gln His Tyr
20

<210> 120
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 120
His Asn Ser Ser Gln Met Leu Leu Ser Glu Leu Ile Met Leu Val Gly
1 5 10 15

Ser Met Met Gln
20

<210> 121
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 121
Trp Arg Glu His Phe Leu Asn Ser Asp Tyr Ile Arg Asp Lys Leu Ile
1 5 10 15

Ala Ile Asp Gly
20

<210> 122
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 122
Gln Phe Pro Phe Tyr Val Phe Asp Asp Leu Pro Ala Gln Leu Glu Tyr
1 5 10 15

Trp Ile Ala

<210> 123

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 123
Glu Phe Phe His Trp Leu His Asn His Arg Ser Glu Val Asn His Trp
1 5 10 15

Leu Asp Met Asn
20

<210> 124
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 124
Glu Ala Leu Phe Gln Asn Phe Phe Arg Asp Val Leu Thr Leu Ser Glu
1 5 10 15

Arg Glu Tyr

<210> 125
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 125
Gln Tyr Trp Glu Gln Gln Trp Met Thr Tyr Phe Arg Glu Asn Gly Leu
1 5 10 15

His Val Gln Tyr
20

<210> 126
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 126
Asn Gln Arg Met Met Leu Glu Asp Leu Trp Arg Ile Met Thr Pro Met
1 5 10 15

Phe Gly Arg Ser

20

<210> 127
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 127
Phe Leu Asp Glu Leu Lys Ala Glu Leu Ser Arg His Tyr Ala Leu Asp
1 5 10 15

Asp Leu Asp Glu
20

<210> 128
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 128
Gly Lys Leu Ile Glu Gly Leu Leu Asn Glu Leu Met Gln Leu Glu Thr
1 5 10 15

Phe Met Pro Asp
20

<210> 129
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 129
Ile Leu Leu Leu Asp Glu Tyr Lys Lys Asp Trp Lys Ser Trp Phe
1 5 10 15

<210> 130
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 130
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly

20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 131
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 131
Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu Gly Ser
1 5 10 15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro
20 25 30

Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
35 40

<210> 132
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 132
His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val Glu Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val
35 40 45

Glu Trp
50

<210> 133
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 133
Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
35 40 45

Phe Trp
50

<210> 134
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 134
Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met
35 40 45

Val Met
50

<210> 135
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 135
Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
35 40 45

Phe Trp
50

<210> 136
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 136
His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys Trp Val Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys
35 40 45

Trp Val
50

<210> 137
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 137
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 138
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 138
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly

20 25 30

Ser Ala Thr Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala
35 40 45

Pro Lys
50

<210> 139
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 139
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 140
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 140
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met
20 25 30

Cys Pro Pro Tyr
35

<210> 141
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 141
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Gly
1 5 10 15

Gly Gly Gly Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala
20 25 30

Pro Lys

<210> 142
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Any amino acid

<400> 142
Lys Asp Xaa Cys Xaa Xaa Trp His Trp Met Cys Lys Pro Xaa
1 5 10

<210> 143
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(7)
<223> Any amino acid

<400> 143
Trp Xaa Xaa Cys Xaa Xaa Xaa Gly Phe Trp Cys Leu Asn Val
1 5 10

<210> 144
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (13)..(14)
<223> Any amino acid

<400> 144
Ile Xaa Gly Cys Xaa Trp Trp Asp Xaa Xaa Cys Tyr Xaa Xaa
1 5 10

<210> 145
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Any amino acid

<220>
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<222> (8)..(8)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (12)..(14)
<223> Any amino acid

<400> 145
Xaa Xaa Trp Cys Val Ser Pro Xaa Trp Phe Cys Xaa Xaa Xaa
1 5 10

<210> 146
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Any amino acid

<400> 146
Xaa Xaa Xaa Cys Pro Trp Phe Ala Xaa Xaa Cys Val Asp Trp
1 5 10

<210> 147
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 147
aaagacaaat gcaaaatgtg gcactggatg tgcaaaccgc cg 42

<210> 148
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 148
aaagacctgt gcgctatgtg gcactggatg tgcaaaccgc cg 42

<210> 149
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 149
aaagacctgt gcaaaatgtg gaaatggatg tgcaaaccgc cg 42

<210> 150
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 150
aaagacctgt gcaaaatgtg gcactggatg tgcaaaccga aa 42

<210> 151
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 151
tggtacccgt gctacgaatt ccacttctgg tgctacgacc tg 42

<210> 152
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 152
tggtacccgt gctacgaatt ccacttctgg tgctacgacc tg 42

<210> 153
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 153
tggtacccgt gctacgaagg tcacttctgg tgctacgacc tg 42

<210> 154
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 154
tggtacccgt gctacgaagg tcacttctgg tgctacgacc tg 42

<210> 155
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 155

atcttcggtt gcaaatggtg ggacgttcag tgctaccagt tc 42

<210> 156
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 156
atcttcggtt gcaaatggtg ggacgttgac tgctaccagt tc 42

<210> 157
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 157
atcttcggtt gcaaatggtg ggacgttgac tgctaccagt tc 42

<210> 158
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 158
gctgactggt gcgtttcccc gaactggttc tgcatggtta tg 42

<210> 159
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 159
cacaaattct gcccgtggtg ggctctgttc tgctgggact tc 42

<210> 160
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 160
aaagacctgt gcaaaatgtg gcactggatg tgcaaaccgc cg 42

<210> 161
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 161
atcgacaaat gcgctatctg gggttggatg tgcccgccgc tg 42

<210> 162
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 162
tggtacccgt gcggtgaatt cggtatgtgg tgcctgaacg tt 42

<210> 163
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 163
tggttcacct gcctgtggaa ctgcgacaac gaa 33

<210> 164
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 164
cacaccccgt gcccgtggtt cgctccgctg tgcgttgaat gg 42

<210> 165
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 165
aaagaatggt gctggcgttg gaaatggatg tgcaaaccgg aa 42

<210> 166
<211> 42
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 166
ttcgaaacct gcccgtcctg ggcttacttc tgcctggaca tc 42

<210> 167
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 167
ttcgaaacct gcccgtcctg ggcttacttc tgcctggaca tc 42

<210> 168
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 168
gcttacaaat gcgaagctaa cgactggggt tgctggtggc tg 42

<210> 169
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 169
aactcctggt gcgaagacca gtggcaccgt tgctggtggc tg 42

<210> 170
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 170
tggtccgctt gctacgctgg tcacttctgg tgctacgacc tg 42

<210> 171
<211> 42
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 171
gctaactggt gcgtttcccc gaactggttc tgcatggtta tg 42

<210> 172
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 172
tggaccgaat gctaccagca ggaattctgg tgctggaacc tg 42

<210> 173
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 173
gaaaacacct gcgaacgttg gaaatggatg tgcccgccga aa 42

<210> 174
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 174
tggctgccgt gccaccagga aggtttctgg tgcatgaact tc 42

<210> 175
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 175
tccaccatgt gctcccagtg gcactggatg tgcaacccgt tc 42

<210> 176
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 176
atcttcggtt gccactggtg ggacgttgac tgctaccagt tc 42

<210> 177
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 177
atctacggtt gcaaatggtg ggacatccag tgctacgaca tc 42

<210> 178
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 178
ccggactggt gcatcgatcc ggactggtgg tgcaaattct gg 42

<210> 179
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 179
cagggtcact gcacccgttg gccgtggatg tgcccgccgt ac 42

<210> 180
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 180
tggcaggaat gctaccgtga aggtttctgg tgcctgcaga cc 42

<210> 181
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 181
tggttcgact gctacggtcc gggtttcaaa tgctggtccc cg 42

<210> 182
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 182
ggtgttcgtt gcccgaaagg tcacctgtgg tgcctgtacc cg 42

<210> 183
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 183
cactgggctt gcggttactg gccgtggtcc tgcaaatggg tt 42

<210> 184
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 184
ggtccggctt gccactcccc gtggtggtgg tgcgttttcg gt 42

<210> 185
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 185
accacctggt gcatctcccc gatgtggttc tgctcccagc ag 42

<210> 186
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 186
cacaaattct gcccgccgtg ggctatcttc tgctgggact tc 42

<210> 187
<211> 42

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 187
ccggactggt gcgtttcccc gcgttggtac tgcaacatgt gg 42

<210> 188
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 188
gtttggaaat gccactggtt cggtatggac tgcgaaccga cc 42

<210> 189
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 189
aaaaaacact gccagatctg gacctggatg tgcgctccga aa 42

<210> 190
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 190
tggttccagt gcggttccac cctgttctgg tgctacaacc tg 42

<210> 191
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 191
tggtccccgt gctacgacca ctacttctac tgctacacca tc 42

<210> 192
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 192
tcctggatgt gcggtttctt caaagaagtt tgcatgtggg tt 42

<210> 193
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 193
gaaatgctgt gcatgatcca cccggttttc tgcaacccgc ac 42

<210> 194
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 194
ctgaaaacct gcaacctgtg gccgtggatg tgcccgccgc tg 42

<210> 195
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 195
gttgttggtt gcaaatggta cgaagcttgg tgctacaaca aa 42

<210> 196
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 196
ccgatccact gcacccagtg ggcttggatg tgcccgccga cc 42

<210> 197
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 197
gactccaact gcccgtggta cttcctgtcc tgcgttatct tc 42

<210> 198
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 198
gactccaact gcccgtggta cttcctgtcc tgcgttatct tc 42

<210> 199
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 199
aacctgcagt gcatctactt cctgggtaaa tgcatctact tc 42

<210> 200
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 200
gcttggcgtt gcatgtggtt ctccgacgtt tgcaccccgg gt 42

<210> 201
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 201
tggtttcgtt gttttcttga tgctgattgg tgtacttctg tt 42

<210> 202
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 202
gaaaaaattt gtcaaatgtg gtcttggatg tgtgctccac ca 42

<210> 203
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 203
tggttttatt gtcatcttaa taaatctgaa tgtactgaac ca 42

<210> 204
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 204
ttttggcgtt gtgctattgg tattgataaa tgtaaacgtg tt 42

<210> 205
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 205
ttttggcgtt gtgctattgg tattgataaa tgtaaacgtg tt 42

<210> 206
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 206
attgatcttt gtaatatgtg ggatggtatg tgttatccac ca 42

<210> 207
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 207
gaaatgccat gtaatatttg gggttggatg tgtccaccag tt 42

<210> 208

<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 208
tggttccgtt gcgttctgac cggtatcgtt gactggtccg aatgcttcgg tctg 54

<210> 209
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 209
ggtttctcct gcaccttcgg tctggacgaa ttctacgttg actgctcccc gttc 54

<210> 210
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 210
ctgccgtggt gccacgacca ggttaacgct gactggggtt tctgcatgct gtgg 54

<210> 211
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 211
tacccgacct gctccgaaaa attctggatc tacggtcaga cctgcgttct gtgg 54

<210> 212
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 212
ctgggtccgt gcccgatcca ccacggtccg tggccgcagt actgcgttta ctgg 54

<210> 213
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 213
ccgttcccgt gcgaaaccca ccagatctcc tggctgggtc actgcctgtc cttc 54

<210> 214
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 214
cactggggtt gcgaagacct gatgtggtcc tggcacccgc tgtgccgtcg tccg 54

<210> 215
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 215
ctgccgctgt gcgacgctga catgatgccg accatcggtt tctgcgttgc ttac 54

<210> 216
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 216
tcccactggt gcgaaaccac cttctggatg aactacgcta aatgcgttca cgct 54

<210> 217
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 217
ctgccgaaat gcacccacgt tccgttcgac cagggtggtt tctgcctgtg gtac 54

<210> 218
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 218
ttctcctcct gctggtcccc ggtttcccgt caggacatgt tctgcgtttt ctac 54

<210> 219
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 219
tcccacaaat gcgaatactc cggttggctg cagccgctgt gctaccgtcc g 51

<210> 220
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 220
ccgtggtggt gccaggacaa ctacgttcag cacatgctgc actgcgactc cccg 54

<210> 221
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 221
tggttccgtt gcatgctgat gaactccttc gacgctttcc agtgcgtttc ctac 54

<210> 222
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 222
ccggacgctt gccgtgacca gccgtggtac atgttcatgg gttgcatgct gggt 54

<210> 223
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 223

ttcctggctt gcttcgttga attcgaactg tgcttcgact cc 42

<210> 224
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 224
tccgcttact gcatcatcac cgaatccgac ccgtacgttc tgtgcgttcc gctg 54

<210> 225
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 225
ccgtccatct gcgaatccta ctccaccatg tggctgccga tgtgccagca caac 54

<210> 226
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 226
tggctggact gccacgacga ctcctgggct tggaccaaaa tgtgccgttc ccac 54

<210> 227
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 227
tacctgaact gcgttatgat gaacacctcc ccgttcgttg aatgcgtttt caac 54

<210> 228
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 228
tacccgtggt gcgacggttt catgatccag cagggtatca cctgcatgtt ctac 54

<210> 229
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 229
ttcgactact gcacctggct gaacggtttc aaagactgga aatgctggtc ccgt 54

<210> 230
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 230
ctgccgctgt gcaacctgaa agaaatctcc cacgttcagg cttgcgttct gttc 54

<210> 231
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 231
tccccggaat gcgctttcgc tcgttggctg ggtatcgaac agtgccagcg tgac 54

<210> 232
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 232
tacccgcagt gcttcaacct gcacctgctg gaatggaccg aatgcgactg gttc 54

<210> 233
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 233
cgttggcgtt gcgaaatcta cgactccgaa ttcctgccga aatgctggtt cttc 54

<210> 234
<211> 42
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 234
ctggttggtt gcgacaacgt ttggcaccgt tgcaaactgt tc 42

<210> 235
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 235
gctggttggt gccacgtttg gggtgaaatg ttcggtatgg gttgctccgc tctg 54

<210> 236
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 236
caccacgaat gcgaatggat ggctcgttgg atgtccctgg actgcgttgg tctg 54

<210> 237
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 237
ttcccgatgt gcggtatcgc tggtatgaaa gacttcgact tctgcgtttg gtac 54

<210> 238
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 238
cgtgatgatt gtacttttttg gccagaatgg ctttggaaac tttgtgaacg tcca 54

<210> 239
<211> 54
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 239
tataattttt gttcttatct ttttggtgtt tctaaagaag cttgtcaact tcca 54

<210> 240
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 240
gctcattggt gtgaacaagg tccatggcgt atggtaata tttgtatggc ttat 54

<210> 241
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 241
aatcttgttt gtggtaaaat ttctgcttgg ggtgatgaag cttgtgctcg tgct 54

<210> 242
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 242
cataatgttt gtactattat gggtccatct atgaaatggt tttgttggaa tgat 54

<210> 243
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 243
aatgatcttt gtgctatgtg gggttggcgt aatactattt ggtgtcaaaa ttct 54

<210> 244
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 244
ccaccatttt gtcaaaatga taatgatatg cttcaatctc tttgtaaact tctt 54

<210> 245
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 245
tggtatgatt gtaatgttcc aaatgaactt ctttctggtc tttgtcgtct tttt 54

<210> 246
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 246
tatggtgatt gtgatcaaaa tcattggatg tggccattta cttgtctttc tctt 54

<210> 247
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 247
ggttggatgt gtcattttga tcttcatgat tggggtgcta cttgtcaacc agat 54

<210> 248
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 248
tattttcatt gtatgtttgg tggtcatgaa tttgaagttc attgtgaatc tttt 54

<210> 249
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 249
gcttattggt gttggcatgg tcaatgtgtt cgtttt 36

<210> 250
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 250
tccgaacact ggaccttcac cgactgggac ggtaacgaat ggtgggttcg tccgttc 57

<210> 251
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 251
atggaaatgc tggactccct gttcgaactg ctgaaagaca tggttccgat ctccaaagct 60

<210> 252
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 252
tccccgccgg aagaagctct gatggaatgg ctgggttggc agtacggtaa attcacc 57

<210> 253
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 253
tccccggaaa acctgctgaa cgacctgtac atcctgatga ccaaacagga atggtacggt 60

<210> 254
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 254
ttccactggg aagaaggtat cccgttccac gttgttaccc cgtactccta cgaccgtatg 60

<210> 255
<211> 57

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 255
aaacgtctgc tggaacagtt catgaacgac ctggctgaac tggtttccgg tcactcc 57

<210> 256
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 256
gacacccgtg acgctctgtt ccaggaattc tacgaattcg ttcgttcccg tctggttatc 60

<210> 257
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 257
cgtatgtccg ctgctccgcg tccgctgacc taccgtgaca tcatggacca gtactggcac 60

<210> 258
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 258
aacgacaaag ctcacttctt cgaaatgttc atgttcgacg ttcacaactt cgttgaatcc 60

<210> 259
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 259
cagacccagg ctcagaaaat cgacggtctg tgggaactgc tgcagtccat ccgtaaccag 60

<210> 260
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 260
atgctgtccg aattcgaaga attcctgggt aacctggttc accgtcagga agct 54

<210> 261
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 261
tacaccccga aaatgggttc cgaatggacc tccttctggc acaaccgtat ccactacctg 60

<210> 262
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 262
ctgaacgaca ccctgctgcg tgaactgaaa atggttctga actccctgtc cgacatgaaa 60

<210> 263
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 263
ttcgacgttg aacgtgacct gatgcgttgg ctggaaggtt tcatgcagtc cgctgctacc 60

<210> 264
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 264
caccacggtt ggaactacct gcgtaaaggt tccgctccgc agtggttcga agcttgggtt 60

<210> 265
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 265
gttgaatccc tgcaccagct gcagatgtgg ctggaccaga aactggcttc cggtccgcac 60

<210> 266
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 266
cgtgctaccc tgctgaaaga cttctggcag ctggttgaag gttacggtga caac 54

<210> 267
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 267
gaagaactgc tgcgtgaatt ctaccgtttc gtttccgctt tcgactac 48

<210> 268
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 268
ggtctgctgg acgaattctc ccacttcatc gctgaacagt tctaccagat gccgggtggt 60

<210> 269
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 269
taccgtgaaa tgtccatgct ggaaggtctg ctggacgttc tggaacgtct gcagcactac 60

<210> 270
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 270
cacaactcct cccagatgct gctgtccgaa ctgatcatgc tggttggttc catgatgcag 60

<210> 271
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 271
tggcgtgaac acttcctgaa ctccgactac atccgtgaca aactgatcgc tatcgacggt 60

<210> 272
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 272
cagttcccgt tctacgtttt cgacgacctg ccggctcagc tggaatactg gatcgct 57

<210> 273
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 273
gaattcttcc actggctgca caaccaccgt tccgaagtta accactggct ggacatgaac 60

<210> 274
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 274
gaagctcttt ttcaaaattt ttttcgtgat gttcttactc tttctgaacg tgaatat 57

<210> 275
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 275
caatattggg aacaacaatg gatgacttat tttcgtgaaa atggtcttca tgttcaatat 60

<210> 276

<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 276
aatcaacgta tgatgcttga agatctttgg cgtattatga ctccaatgtt tggtcgttct 60

<210> 277
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 277
tttcttgatg aacttaaagc tgaactttct cgtcattatg ctcttgatga tcttgatgaa 60

<210> 278
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 278
ggtaaactta ttgaaggtct tcttaatgaa cttatgcaac ttgaaacttt tatgccagat 60

<210> 279
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 279
attcttcttc ttgatgaata taaaaaagat tggaaatctt ggttt 45

<210> 280
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 280
cagggccact gtactcgctg gccgtggatg tgcccgccgt acggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttctg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccaccgtat 150

<210> 281
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 281
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 282
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 282
cacactccgt gtccgtggtt tgctccgctg tgcgttgaat ggggttctgg ttccgctact 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtca caccccgtgc 120

ccgtggtttg caccgctgtg tgtagagtgg 150

<210> 283
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 283
ccggattggt gtatcgaccc ggactggtgg tgcaaattct ggggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtcc ggactggtgc 120

atcgacccgg attggtggtg taaattttgg 150

<210> 284
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 284
ccggattggt gtatcgaccc ggactggtgg tgcaaattct ggggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtcc ggactggtgc 120

atcgacccgg attggtggtg taaattttgg 150

<210> 285
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 285
accacttggt gcatctctcc gatgtggttc tgctctcagc agggttctgg ttccactgct 60

tcttctggtt ccggttctgc aactggtact acttggtgta tctctccaat gtggttttgt 120

tctcagcaa 129

<210> 286
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 286
cactgggcat gtggctattg gccgtggtcc tgcaaatggg ttggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtca ctgggcttgc 120

ggttactggc cgtggtcttg taaatgggtt 150

<210> 287
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 287
aaaaaacact gtcagatctg gacttggatg tgcgctccga aaggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttccg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccgccgtat 150

<210> 288
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 288
cagggtcact gcacccgttg gccgtggatg tgcccgccgt acggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttctg ctactggtaa aaaacactgc 120

cagatctgga cttggatgtg cgctccgaaa 150

<210> 289
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 289
aaaaaacact gtcagatctg gacttggatg tgcgctccga aaggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttccg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccgccgtat 150

<210> 290
<211> 108
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 290
aaaaaacact gccagatctg gacttggatg tgcgctccga aaggtggtgg tggtggtggc 60

ggtggccagg gtcactgcac ccgttggccg tggatgtgtc cgccgtat 108

<210> 291
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 291
cagggtcact gcacccgttg gccgtggatg tgcccgccgt acggtggtgg tggtggtggc 60

aaaaaacact gccagatctg gacttggatg tgcgctccga aa 102

<210> 292
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 292
gagagagagc atatgaatga gaacagtgag caaaaag 37

<210> 293
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 293
agagagggat ccattatgag cacccacagc ggtc 34

<210> 294
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 294
cggcgcaact atcggtatca agctg 25

<210> 295
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 295
catgtaccgt aacactgagt ttcgtc 26

<210> 296
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 296
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 297
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 297
acaaacaaac atatgggtgc acagaaagcg gccgcaaaaa aactcgaggg tggaggcggt 60

ggggaca 67

<210> 298
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 298
ggtcattact ggaccggatc 20

<210> 299
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 299
cgtacaggtt tacgcaagaa aatgg 25

<210> 300
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 300
tttgttggat ccattactcg agttttttg cggccgcttt ctgtgcacca ccacctccac 60

ctttac 66

<210> 301
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 301
gacaaaactc acacatgtcc accttgccca gcacctgaac tcctgggggg accgtcagtt 60

ttcctcttcc ccccaaaacc caaggacacc ctcatgatct cccggacccc tgaggtcaca 120

tgcgtggtgg tggacgtgag ccacgaagac cctgaggtca agttcaactg gtacgtggac 180

ggcgtggagg tgcataatgc caagacaaag ccgcgggagg agcagtacaa cagcacgtac 240

cgtgtggtca gcgtcctcac cgtcctgcac caggactggc tgaatggcaa ggagtacaag 300

tgcaaggtct ccaacaaagc cctcccagcc cccatcgaga aaaccatctc caaagccaaa 360

gggcagcccc gagaaccaca ggtgtacacc ctgccccccat cccgggatga gctgaccaag 420

aaccaggtca gcctgacctg cctggtcaaa ggcttctatc ccagcgacat cgccgtggag 480

tgggagagca atgggcagcc ggagaacaac tacaagacca cgcctcccgt gctggactcc 540

gacggctcct tcttcctcta cagcaagctc accgtggaca agagcaggtg gcagcagggg 600

aacgtcttct catgctccgt gatgcatgag gctctgcaca accactacac gcagaagagc 660

ctctccctgt ctccgggtaa a 681

<210> 302
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 302
ggtggaggtg gtggt 15

<210> 303
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 303
Met Phe Cys Gly Gly Gly Gly Gly Lys Asp Lys Cys Lys Met Trp His
1 5 10 15

Trp Met Cys Lys Pro Pro
20

<210> 304
<211> 740
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 304
atggacaaaa ctcacacatg tccaccttgc ccagcacctg aactcctggg gggaccgtca 60

gttttcctct tccccccaaa acccaaggac accctcatga tctcccggac ccctgaggtc 120

acatgcgtgg tggtggacgt gagccacgaa gaccctgagg tcaagttcaa ctggtacgtg 180

gacggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagta caacagcacg 240

taccgtgtgg tcagcgtcct caccgtcctg caccaggact ggctgaatgg caaggagtac 300

aagtgcaagg tctccaacaa agccctccca gcccccatcg agaaaaccat ctccaaagcc 360

aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga tgagctgacc 420

aagaaccagg tcagcctgac ctgcctggtc aaaggcttct atcccagcga catcgccgtg 480

gagtgggaga gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac 540

tccgacggct ccttcttcct ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 600

gggaacgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta cacgcagaag 660

agcctctccc tgtctccggg taaaggtgga ggtggtggta agacaaatgc aaaatgtggc 720

actggatgtg caaaccgccg 740

<210> 305
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 305
Val Ala Leu His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Glu Gly
20

<210> 306
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 306
Tyr Pro Glu Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Thr Leu Ala
20

<210> 307
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 307
Gly Leu Asn Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Ser Asn
20

<210> 308
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 308
Met Ile Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Ser Gly
20

<210> 309
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 309
Ala Gly Ala Gln Glu His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Asn Asp Trp Ile
20

<210> 310
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 310
Gly Val Asn Gln Gly Gln Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Asn Gly Trp Glu
20

<210> 311
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 311
Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Glu Gly Trp Glu
20

<210> 312
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 312
Ile Leu Glu Gln Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Gly Gly
20

<210> 313
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 313
Thr Gln Thr His Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Glu Gly
20

<210> 314
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 314
Val Val Thr Gln Gly His Cys Thr Leu Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Arg
20

<210> 315
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 315
Ile Tyr Pro His Asp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Tyr Pro
20

<210> 316
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 316
Ser Tyr Trp Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Arg Gly
20

<210> 317
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 317
Met Trp Gln Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 318
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 318
Glu Phe Thr Gln Trp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Ser Gln
20

<210> 319
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 319
Leu Asp Asp Gln Trp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Phe Ser
20

<210> 320
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 320
Tyr Gln Thr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Gln Arg
20

<210> 321
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 321
Glu Ser Asn Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Gly Trp
20

<210> 322
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 322
Trp Thr Asp Arg Gly Pro Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ala Asn Gly
20

<210> 323
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 323
Val Gly Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Glu Thr Gly
20

<210> 324
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 324

Pro Tyr Glu Gln Gly Lys Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Glu Val Glu
20

<210> 325
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 325
Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Lys
20

<210> 326
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 326
Thr Phe Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 327
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 327
Pro Gly Ala His Asp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Arg Tyr
20

<210> 328
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 328
Val Ala Glu Glu Trp His Cys Arg Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Trp Arg
20

<210> 329
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 329
Val Gly Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Ala Gly
20

<210> 330
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 330
Glu Glu Asp Gln Ala His Cys Arg Ser Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Val
20

<210> 331
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 331
Ala Asp Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln His Trp Phe
20

<210> 332
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 332
Ser Gly Pro Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Gln Gly Trp Phe
20

<210> 333
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 333
Thr Leu Val Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Val
20

<210> 334
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 334
Gly Met Ala His Gly Lys Cys Thr Arg Trp Ala Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Lys
20

<210> 335
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 335
Glu Leu Tyr His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Ala
20

<210> 336
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 336
Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 337
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 337
Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 338
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 338
Ile Pro Ala His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Arg
20

<210> 339
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 339
Phe Thr Val His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Gly Trp Val
20

<210> 340
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 340
Pro Asp Phe Pro Gly His Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Glu
20

<210> 341
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 341
Gln Leu Trp Gln Gly Pro Cys Thr Gln Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Lys Gly Arg Tyr
20

<210> 342
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 342
His Ala Asn Asp Gly His Cys Thr Arg Trp Gln Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Gly Gly
20

<210> 343
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 343
Glu Thr Asp His Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Gly Ala Arg
20

<210> 344
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 344
Gly Thr Trp Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gln
20

<210> 345
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 345
Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 346
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 346
Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Gly
20

<210> 347
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 347
Gln Arg Glu Trp Tyr Pro Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu His Lys Ala
20

<210> 348
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 348
Ile Ser Ala Trp Tyr Ser Cys Tyr Ala Gly His Phe Trp Cys Trp Asp
1 5 10 15

Leu Lys Gln Lys
20

<210> 349
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 349
Trp Thr Gly Trp Tyr Gln Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu Arg Arg Lys
20

<210> 350
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 350
Lys Thr Phe Trp Tyr Pro Cys Tyr Asp Gly His Phe Trp Cys Tyr Asn
1 5 10 15

Leu Lys Ser Ser
20

<210> 351
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 351
Glu Ser Arg Trp Tyr Pro Cys Tyr Glu Gly His Leu Trp Cys Phe Asp
1 5 10 15

Leu Thr Glu Thr
20

<210> 352
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Any neutral hydrophobic, neutral polar or
basic amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any neutral hydrophobic, neutral polar or
basic amino acid

<400> 352
Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10

<210> 353
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Thr, Ile or Arg

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Arg, Ser or Gln

<220>
<221> MOD_RES
<222> (5)..(5)

<223> Pro, Arg or Gln

<400> 353
Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10

<210> 354
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Absent or a neutral hydrophobic, neutral polar or acidic amino acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Absent or a neutral hydrophobic, neutral polar or acidic amino acid

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Absent or a neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (8)..(9)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (17)..(20)
<223> Any amino acid

<400> 354
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10 15

Xaa Xaa Xaa Xaa
20

<210> 355
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Absent or a neutral hydrophobic, neutral polar or acidic
amino acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Absent or a neutral hydrophobic, neutral polar or acidic
amino acid

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Absent or a neutral hydrophobic, neutral polar or basic
amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Thr, Ile or Arg

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Arg, Ser or Gln

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Pro, Arg or Gln

<220>
<221> MOD_RES
<222> (17)..(20)
<223> Any amino acid

<400> 355
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10 15

Xaa Xaa Xaa Xaa
20

<210> 356
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Pro, Ser or Tyr

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Cys or Gln

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Gly or His

<400> 356
Trp Tyr Xaa Xaa Tyr Xaa Gly
1 5

<210> 357
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 357
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Gly
20

<210> 358
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 358
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 359
<211> 22

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 359
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Lys Pro Ser
20

<210> 360
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 360
Gly Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Pro
20

<210> 361
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 361
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Ile Ser Asn Pro Pro
20

<210> 362
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 362
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Glu
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<210> 363
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 363
Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Asn Ala Arg
20

<210> 364
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 364
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Thr Ser Asn Gly Thr
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<210> 365
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 365
Arg Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Gly
20

<210> 366
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 366
Arg Met Glu Met Leu Gly Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Arg
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<210> 367
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 367
Gln Met Glu Leu Leu Asp Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Lys Ser Gln Pro Ala
20

<210> 368
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 368
Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Asn Ala Arg
20

<210> 369
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 369
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu His Glu Ile Val
1 5 10 15

Pro Met Ser Gln Ala Gly
20

<210> 370
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 370
Gln Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Ser
20

<210> 371
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 371
Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Thr Thr Gly Ala
20

<210> 372
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 372
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ala Asn Ala Ser
20

<210> 373
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 373
Arg Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser Arg Ala Arg
20

<210> 374
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 374
Arg Met Glu Met Leu Glu Ser Leu Phe Asp Leu Leu Lys Glu Leu Val
1 5 10 15

Pro Met Ser Lys Gly Val
20

<210> 375
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 375
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Ile Gln Lys Ala Arg
20

<210> 376
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 376
Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ser Asp Ser Ser
20

<210> 377
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 377
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Val Leu Gln Glu Ile Val
1 5 10 15

Pro Arg Ala Lys Gly Ala
20

<210> 378
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 378
Arg Met Glu Met Leu Asp Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser His Ala Arg
20

<210> 379
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 379
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Asn Ala Gly
20

<210> 380
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 380
Arg Met Glu Met Leu Gln Ser Leu Phe Glu Leu Leu Lys Gly Met Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 381
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 381
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Asn Ser Thr Ala Ala
20

<210> 382
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 382
Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 383
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 383
Arg Ile Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Asn Glu Leu Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 384
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 384
Gln Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Gly
20

<210> 385
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 385

Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Met Val
1 5 10 15

Pro Arg Ser Lys Ala Val
20

<210> 386
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 386
Gln Ala Val Ser Leu Gln His Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln His
20

<210> 387
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 387
Asp Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Leu
20

<210> 388
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 388
Pro Val Ala Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Gln Gly Pro His Ala
20

<210> 389
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 389
Glu Val Asp Glu Leu Gln Gln Leu Leu Asn Trp Leu Asp His Lys Leu
1 5 10 15

Ala Ser Gly Pro Leu Gln
20

<210> 390
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 390
Asp Val Glu Ser Leu Glu Gln Leu Leu Met Trp Leu Asp His Gln Leu
1 5 10 15

Ala Ser Gly Pro His Gly
20

<210> 391
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 391
Gln Val Asp Ser Leu Gln Gln Val Leu Leu Trp Leu Glu His Lys Leu
1 5 10 15

Ala Leu Gly Pro Gln Val
20

<210> 392
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 392
Gly Asp Glu Ser Leu Gln His Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Leu Gly Pro His Gly
20

<210> 393
<211> 22

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 393
Gln Ile Glu Met Leu Glu Ser Leu Leu Asp Leu Leu Arg Asp Met Val
1 5 10 15

Pro Met Ser Asn Ala Phe
20

<210> 394
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 394
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 395
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 395
Glu Asp Glu Ser Leu Gln Gln Leu Leu Ile Tyr Leu Asp Lys Met Leu
1 5 10 15

Ser Ser Gly Pro Gln Val
20

<210> 396
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 396
Ala Met Asp Gln Leu His Gln Leu Leu Ile Trp Leu Asp His Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 397
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 397
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Asp Glu Ile Ala
1 5 10 15

Leu Ile Pro Lys Ala Trp
20

<210> 398
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 398
Glu Val Val Ser Leu Gln His Leu Leu Met Trp Leu Glu His Lys Leu
1 5 10 15

Ala Ser Gly Pro Asp Gly
20

<210> 399
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 399
Gly Gly Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
20

<210> 400
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 400
Gly Val Glu Ser Leu Gln Gln Leu Leu Ile Phe Leu Asp His Met Leu
1 5 10 15

Val Ser Gly Pro His Asp
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<210> 401
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 401
Asn Val Glu Ser Leu Glu His Leu Met Met Trp Leu Glu Arg Leu Leu
1 5 10 15

Ala Ser Gly Pro Tyr Ala
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<210> 402
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 402
Gln Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp His Gln Leu
1 5 10 15

Ala Ser Gly Pro Lys Arg
20

<210> 403
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 403
Glu Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Glu His Lys Leu
1 5 10 15

Ala Gln Gly Pro Gln Gly
20

<210> 404
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 404
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro His Ala
20

<210> 405
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 405
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Lys
20

<210> 406
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 406
Gly Val Glu Gln Leu Pro Gln Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
20

<210> 407
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 407
Gly Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ala Gly Pro Gln Val
20

<210> 408
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 408
Ala Asp Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Arg Lys Leu
1 5 10 15

Ala Ser Gly Pro His Val
20

<210> 409
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 409
Pro Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Gly
20

<210> 410
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 410
Asp Trp Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Asp Asn Leu Val
20

<210> 411
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 411
Gln Ser Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Asp Lys Gln Ala
20

<210> 412
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 412
Asp Gly Arg Ala Thr Leu Leu Thr Glu Phe Trp Gln Leu Val Gln Gly
1 5 10 15

Leu Gly Gln Lys Glu Ala
20

<210> 413
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 413
Leu Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Glu Lys Val Val
20

<210> 414
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 414
Gly Ser Arg Asp Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Val Gly
1 5 10 15

Leu Gly Asp Met Gln Thr
20

<210> 415
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 415
Asp Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Ala
1 5 10 15

Tyr Gly Asp Arg Met Val
20

<210> 416
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 416
Asn Asp Arg Ala Gln Leu Leu Arg Asp Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Leu Gly Val Lys Ser Trp
20

<210> 417
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 417
Gly Val Arg Glu Thr Leu Leu Tyr Glu Leu Trp Tyr Leu Leu Lys Gly
1 5 10 15

Leu Gly Ala Asn Gln Gly
20

<210> 418
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 418
Gln Ala Arg Ala Thr Leu Leu Lys Glu Phe Cys Gln Leu Val Gly Cys
1 5 10 15

Gln Gly Asp Lys Leu Ser
20

<210> 419
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 419

Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Ala Gly
1 5 10 15

Leu Gly Gln Asn Met Arg
20

<210> 420
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 420
Ser Gly Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Gln Gly
1 5 10 15

Leu Gly Glu Tyr Arg Trp
20

<210> 421
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 421
Thr Met Arg Ala Thr Leu Leu Lys Glu Phe Trp Leu Phe Val Asp Gly
1 5 10 15

Gln Arg Glu Met Gln Trp
20

<210> 422
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 422
Gly Glu Arg Ala Thr Leu Leu Asn Asp Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Gln Gly Asp Asn Thr Gly
20

<210> 423
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 423
Asp Glu Arg Glu Thr Leu Leu Lys Glu Phe Trp Gln Leu Val His Gly
1 5 10 15

Trp Gly Asp Asn Val Ala
20

<210> 424
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 424
Gly Gly Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Leu Glu Gly
1 5 10 15

Gln Gly Ala Asn Leu Val
20

<210> 425
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 425
Thr Ala Arg Ala Thr Leu Leu Asn Glu Leu Val Gln Leu Val Lys Gly
1 5 10 15

Tyr Gly Asp Lys Leu Val
20

<210> 426
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 426
Gly Met Arg Ala Thr Leu Leu Gln Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Gln Gly Asp Asn Trp Met
20

<210> 427
<211> 22

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 427
Ser Thr Arg Ala Thr Leu Leu Asn Asp Leu Trp Gln Leu Met Lys Gly
1 5 10 15

Trp Ala Glu Asp Arg Gly
20

<210> 428
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 428
Ser Glu Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Val Gly Gly
1 5 10 15

Trp Gly Asp Asn Phe Gly
20

<210> 429
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 429
Val Gly Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Val Gly Gln Ser Arg
20

<210> 430
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 430
Glu Ile Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Glu
1 5 10 15

Trp Arg Glu Gln Pro Asn
20

<210> 431
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 431
Gln Leu Arg Ala Thr Leu Leu Lys Glu Phe Leu Gln Leu Val His Gly
1 5 10 15

Leu Gly Glu Thr Asp Ser
20

<210> 432
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 432
Thr Gln Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Ile Glu Gly
1 5 10 15

Leu Gly Gly Lys His Val
20

<210> 433
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 433
His Tyr Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Leu Arg Glu Gln Gly Val
20

<210> 434
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 434
Gln Ser Arg Val Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Glu Ser
1 5 10 15

Tyr Arg Pro Ile Val Asn
20

<210> 435
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 435
Leu Ser Arg Ala Thr Leu Leu Asn Glu Phe Trp Gln Phe Val Asp Gly
1 5 10 15

Gln Arg Asp Lys Arg Met
20

<210> 436
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 436
Trp Asp Arg Ala Thr Leu Leu Asn Asp Phe Trp His Leu Met Glu Glu
1 5 10 15

Leu Ser Gln Lys Pro Gly
20

<210> 437
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 437
Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Arg Met Val Glu Gly
1 5 10 15

Leu Gly Lys Asn Arg Gly
20

<210> 438
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 438
Asn Glu Arg Ala Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Tyr Gly Val Asn Gln Arg
20

<210> 439
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 439
His Gln Arg Asp Met Ser Met Leu Trp Glu Leu Leu Asp Val Leu Asp
1 5 10 15

Gly Leu Arg Gln Tyr Ser
20

<210> 440
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 440
Thr Gln Arg Asp Met Ser Met Leu Asp Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Gln Leu Arg Gln Gln Arg
20

<210> 441
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 441
Thr Ser Arg Asp Met Ser Leu Leu Trp Glu Leu Leu Glu Glu Leu Asp
1 5 10 15

Arg Leu Gly His Gln Arg
20

<210> 442
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 442
Met Gln His Asp Met Ser Met Leu Tyr Gly Leu Val Glu Leu Leu Glu
1 5 10 15

Ser Leu Gly His Gln Ile
20

<210> 443
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 443
Trp Asn Arg Asp Met Arg Met Leu Glu Ser Leu Phe Glu Val Leu Asp
1 5 10 15

Gly Leu Arg Gln Gln Val
20

<210> 444
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 444
Gly Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Ala Val Leu Asp
1 5 10 15

Arg Leu Gly Pro Gln Leu
20

<210> 445
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 445
Thr Gln Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Arg Leu Gly Gln Gln Arg
20

<210> 446
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 446
Trp Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Arg Leu Gly Gln Gln Arg
20

<210> 447
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 447
Thr Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Phe Met Met Leu Val
1 5 10 15

Gly Ser Met Ile Gln Gly
20

<210> 448
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 448
Met Gln Thr Ser Arg His Ile Leu Leu Ser Glu Phe Met Met Leu Val
1 5 10 15

Gly Ser Ile Met His Gly
20

<210> 449
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 449
His Asp Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Leu His Leu Val
1 5 10 15

Gly Thr Met Ile Gln Gly
20

<210> 450
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 450
Met Glu Asn Ser Arg Gln Asn Leu Leu Arg Glu Leu Ile Met Leu Val
1 5 10 15

Gly Asn Met Ser His Gln
20

<210> 451
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 451
Gln Asp Thr Ser Arg His Met Leu Leu Arg Glu Phe Met Met Leu Val
1 5 10 15

Gly Glu Met Ile Gln Gly
20

<210> 452
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 452
Asp Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Met Ile Leu Val
1 5 10 15

Gly Ser Met Ile Gln Gly
20

<210> 453
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 453

Asn Val Phe Phe Gln Trp Val Gln Lys His Gly Arg Val Val Tyr Gln
1 5 10 15

Trp Leu Asp Ile Asn Val
20

<210> 454
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 454
Phe Asp Phe Leu Gln Trp Leu Gln Asn His Arg Ser Glu Val Glu His
1 5 10 15

Trp Leu Val Met Asp Val
20

<210> 455
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Met or Ile

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Leu or Phe

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Glu, Gln or Asp

<400> 455
Xaa Glu Met Leu Xaa Ser Leu Xaa Xaa Leu Leu
1 5 10

<210> 456
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Gln, Asp or Glu

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Ser, Gln, Asp or Glu

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Leu, Trp, Phe or Tyr

<400> 456
Leu Xaa Xaa Leu Leu Xaa Xaa Leu
1 5

<210> 457
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Arg or Asp

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Ala, Thr, Ser or Gln

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Leu or Met

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Leu or Ser

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Phe or Glu

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Trp, Phe or Cys

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Leu, Phe, Met or Lys

<400> 457
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 458
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 458
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctggt 66

<210> 459
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 459
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctcgt 66

<210> 460
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 460
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaaa 60

ccatct 66

<210> 461
<211> 66
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 461
ggtatggaaa tgcttgaatc tcttttgaa cttcttcaag aaattgttcc aatgtctaaa 60

gctcca 66

<210> 462
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 462
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatttctaat 60

ccacca 66

<210> 463
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 463
cgtattgaaa tgcttgaatc tcttcttgaa cttcttcaag aaattgttcc aatttctaaa 60

gctgaa 66

<210> 464
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 464
cgtatggaaa tgcttcaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaat 60

gctcgt 66

<210> 465
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 465
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aacttctaat 60

ggtact 66

<210> 466
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 466
cgtatggaaa tgcttgaatc tctttttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctggt 66

<210> 467
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 467
cgtatggaaa tgcttggttc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctcgt 66

<210> 468
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 468
caaatggaac ttcttgattc tctttttgaa cttcttaaag aaattgttcc aaaatctcaa 60

ccagct 66

<210> 469
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 469
cgtatggaaa tgcttgattc tcttcttgaa cttcttaaag aaattgttcc aatgtctaat 60

gctcgt 66

<210> 470
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 470
cgtatggaaa tgcttgaatc tcttcttgaa cttcttcatg aaattgttcc aatgtctcaa 60

gctggt 66

<210> 471
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 471
caaatggaaa tgcttgaatc tcttcttcaa cttcttaaag aaattgttcc aatgtctaaa 60

gcttct 66

<210> 472
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 472
cgtatggaaa tgcttgattc tcttcttgaa cttcttaaag atatggttcc aatgactact 60

ggtgct 66

<210> 473
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 473
cgtattgaaa tgcttgaatc tcttcttgaa cttcttaaag atatggttcc aatggctaat 60

gcttct 66

<210> 474
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 474
cgtatggaaa tgcttgaatc tcttcttcaa cttcttaatg aaattgttcc aatgtctcgt 60

gctcgt 66

<210> 475
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 475
cgtatggaaa tgcttgaatc tcttttgat cttcttaaag aacttgttcc aatgtctaaa 60

ggtgtt 66

<210> 476
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 476
cgtattgaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aattcaaaaa 60

gctcgt 66

<210> 477
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 477
cgtatggaac ttcttgaatc tcttttgaa cttcttaaag atatggttcc aatgtctgat 60

tcttct 66

<210> 478
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 478
cgtatggaaa tgcttgaatc tcttcttgaa gttcttcaag aaattgttcc acgtgctaaa 60

ggtgct 66

<210> 479
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 479
cgtatggaaa tgcttgattc tcttcttcaa cttcttaatg aaattgttcc aatgtctcat 60

gctcgt 66

<210> 480
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 480
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaat 60

gctggt 66

<210> 481
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 481
cgtatggaaa tgcttcaatc tcttttgaa cttcttaaag gtatggttcc aatttctaaa 60

gctggt 66

<210> 482
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 482
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aaattctact 60

gctgct 66

<210> 483
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 483
cgtatggaaa tgcttcaatc tcttcttgaa cttcttaaag aaattgttcc aatttctaaa 60

gctggt 66

<210> 484
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 484
cgtattgaaa tgcttgattc tcttcttgaa cttcttaatg aacttgttcc aatgtctaaa 60

gctcgt 66

<210> 485
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 485
gattggcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tggtgataat 60

cttgtt 66

<210> 486
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 486
gatggtcgtg ctactcttct tactgaattt tggcaacttg ttcaaggtct tggtcaaaaa 60

gaagct 66

<210> 487
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 487
cttgctcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tggtgaaaaa 60

gttgtt 66

<210> 488
<211> 66
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 488
ggttctcgtg atactcttct taaagaattt tggcaacttg ttgttggtct tggtgatatg 60

caaact 66

<210> 489
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 489
gatgctcgtg ctactcttct taaagaattt tggcaacttg ttgatgctta tggtgatcgt 60

atggtt 66

<210> 490
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 490
aatgatcgtg ctcaacttct tcgtgatttt tggcaacttg ttgatggtct tggtgttaaa 60

tcttgg 66

<210> 491
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 491
ggtgttcgtg aaactcttct ttatgaactt tggtatcttc ttaaaggtct tggtgctaat 60

caaggt 66

<210> 492
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 492
caagctcgtg ctactcttct taaagaattt tgtcaacttg ttggttgtca aggtgataaa 60

ctttct 66

<210> 493
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 493
caagaacgtg ctactcttct taaagaattt tggcaacttg ttgctggtct tggtcaaaat 60

atgcgt 66

<210> 494
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 494
tctggtcgtg ctactcttct taaagaattt tggcaacttg ttcaaggtct tggtgaatat 60

cgttgg 66

<210> 495
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 495
actatgcgtg ctactcttct taaagaattt tggcttttg ttgatggtca acgtgaaatg 60

caatgg 66

<210> 496
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 496
ggtgaacgtg ctactcttct taatgatttt tggcaacttg ttgatggtca aggtgataat 60

actggt 66

<210> 497
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 497
gatgaacgtg aaactcttct taaagaattt tggcaacttg ttcatggttg gggtgataat 60

gttgct 66

<210> 498
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 498
ggtggtcgtg ctactcttct taaagaactt tggcaacttc ttgaaggtca aggtgctaat 60

cttgtt 66

<210> 499
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 499
actgctcgtg ctactcttct taatgaactt gttcaacttg ttaaaggtta tggtgataaa 60

cttgtt 66

<210> 500
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 500
ggtatgcgtg ctactcttct tcaagaattt tggcaacttg ttggtggtca aggtgataat 60

tggatg 66

<210> 501
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 501
tctactcgtg ctactcttct taatgatctt tggcaactta tgaaaggttg ggctgaagat 60

cgtggt 66

<210> 502
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 502
tctgaacgtg ctactcttct taaagaactt tggcaacttg ttggtggttg gggtgataat 60

tttggt 66

<210> 503
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 503
gttggtcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tgttggtcaa 60

tctcgt 66

<210> 504
<211> 61
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 504
Met Gly Ala Gln Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr
1 5 10 15

Asp Leu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro Cys Tyr Glu Gly His
35 40 45

Phe Trp Cys Tyr Asp Leu Leu Glu Gly Gly Gly Gly Gly
50 55 60

<210> 505
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 505
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 506
<211> 59
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 506
Gly Gly Gly Gly Gly Ala Gln Trp Tyr Pro Cys Tyr Glu Gly His Phe
1 5 10 15

Trp Cys Tyr Asp Leu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser
20 25 30

Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro Cys Tyr
35 40 45

Glu Gly His Phe Trp Cys Tyr Asp Leu Leu Glu
50 55

<210> 507
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 507
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 508
<211> 61
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 508
Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Gln Cys Tyr Gln Phe Leu Glu Gly Gly Gly Gly Gly
50 55 60

<210> 509
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 509
atctttggct gtaaatggtg ggacgttcag tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca agtggtggga tgtacagtgt 120

tatcagttt 129

<210> 510
<211> 59
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 510
Gly Gly Gly Gly Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val
1 5 10 15

Gln Cys Tyr Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser
20 25 30

Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys
35 40 45

Trp Trp Asp Val Gln Cys Tyr Gln Phe Leu Glu
50 55

<210> 511
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 511
atctttggct gtaaatggtg ggacgttcag tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca agtggtggga tgtacagtgt 120

tatcagttt 129

<210> 512
<211> 61

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 512
Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Asp Cys Tyr Gln Phe Leu Glu Gly Gly Gly Gly Gly
50 55 60

<210> 513
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 513
atctttggct gtaagtggtg ggacgttgac tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca aatggtggga cgttgattgt 120

tatcagttt 129

<210> 514
<211> 59
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 514
Gly Gly Gly Gly Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val
1 5 10 15

Asp Cys Tyr Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser
20 25 30

Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys
35 40 45

Trp Trp Asp Val Asp Cys Tyr Gln Phe Leu Glu
50 55

<210> 515

<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 515
atctttggct gtaagtggtg ggacgttgac tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca aatggtggga cgttgattgt 120

tatcagttt 129

<210> 516
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 516
caggttgaat ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagggt 66

<210> 517
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 517
cgtatggaac tgctggaatc cctgttcgaa ctgctgaaag aaatggttcc gcgttccaaa 60

gctgtt 66

<210> 518
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 518
caggctgttt ccctgcagca cctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagcac 66

<210> 519
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 519
gacgaagact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagctg 66

<210> 520
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 520
ccggttgctt ccctgcagca gctgctgatc tggctggacc agaaactggc tcagggtccg 60

cacgct 66

<210> 521
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 521
gaagttgacg aactgcagca gctgctgaac tggctggacc acaaactggc ttccggtccg 60

ctgcag 66

<210> 522
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 522
gacgttgaat ccctggaaca gctgctgatg tggctggacc accagctggc ttccggtccg 60

cacggt 66

<210> 523
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 523
caggttgact ccctgcagca ggttctgctg tggctggaac acaaactggc tctgggtccg 60

caggtt 66

<210> 524
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 524
ggtgacgaat ccctgcagca cctgctgatg tggctggaac agaaactggc tctgggtccg 60

cacggt 66

<210> 525
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 525
cagatcgaaa tgctggaatc cctgctggac ctgctgcgtg acatggttcc gatgtccaac 60

gctttc 66

<210> 526
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 526
gaagttgact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

caggct 66

<210> 527
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 527
gaagacgaat ccctgcagca gctgctgatc tacctggaca aaatgctgtc ctccggtccg 60

caggtt 66

<210> 528
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 528
gctatggacc agctgcacca gctgctgatc tggctggacc acaaactggc ttccggtccg 60

caggct 66

<210> 529
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 529
cgtatcgaaa tgctggaatc cctgctggaa ctgctggacg aaatcgctct gatcccgaaa 60

gcttgg 66

<210> 530
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 530
gaagttgttt ccctgcagca cctgctgatg tggctggaac acaaactggc ttccggtccg 60

gacggt 66

<210> 531
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 531
ggtggtgaat ccctgcagca gctgctgatg tggctggacc agcagctggc ttccggtccg 60

cagcgt 66

<210> 532
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 532
ggtgttgaat ccctgcagca gctgctgatc ttcctggacc acatgctggt ttccggtccg 60

cacgac 66

<210> 533

<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 533
aacgttgaat ccctggaaca cctgatgatg tggctggaac gtctgctggc ttccggtccg 60

tacgct 66

<210> 534
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 534
caggttgact ccctgcagca gctgctgatc tggctggacc accagctggc ttccggtccg 60

aaacgt 66

<210> 535
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 535
gaagttgaat ccctgcagca gctgctgatg tggctggaac acaaactggc tcagggtccg 60

cagggt 66

<210> 536
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 536
gaagttgact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cacgct 66

<210> 537
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 537
gaagttgact ccctgcagca gctgctgatg tggctggacc agcagctggc ttccggtccg 60

cagaaa 66

<210> 538
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 538
ggtgttgaac agctgccgca gctgctgatg tggctggaac agaaactggc ttccggtccg 60

cagcgt 66

<210> 539
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 539
ggtgaagact ccctgcagca gctgctgatg tggctggacc agcagctggc tgctggtccg 60

caggtt 66

<210> 540
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 540
gctgacgact ccctgcagca gctgctgatg tggctggacc gtaaactggc ttccggtccg 60

cacgtt 66

<210> 541
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 541
ccggttgact ccctgcagca gctgctgatc tggctggacc agaaactggc ttccggtccg 60

cagggt 66

<210> 542
<211> 66

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 542
cagtcccgtg ctaccctgct gaaagaattc tggcagctgg ttgaaggtct gggtgacaaa 60

caggct 66

<210> 543
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 543
gaaatccgtg ctaccctgct gaaagaattc tggcagctgg ttgacgaatg gcgtgaacag 60

ccgaac 66

<210> 544
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 544
cagctgcgtg ctaccctgct gaaagaattc ctgcagctgg ttcacggtct gggtgaaacc 60

gactcc 66

<210> 545
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 545
acccagcgtg ctaccctgct gaaagaattc tggcagctga tcgaaggtct gggtggtaaa 60

cacgtt 66

<210> 546
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 546

cactaccgtg ctaccctgct gaaagaattc tggcagctgg ttgacggtct gcgtgaacag 60

ggtgtt 66

<210> 547
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 547
cagtcccgtg ttaccctgct gcgtgaattc tggcagctgg ttgaatccta ccgtccgatc 60

gttaac 66

<210> 548
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 548
ctgtcccgtg ctaccctgct gaacgaattc tggcagttcg ttgacggtca gcgtgacaaa 60

cgtatg 66

<210> 549
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 549
tgggaccgtg ctaccctgct gaacgacttc tggcacctga tggaagaact gtcccagaaa 60

ccgggt 66

<210> 550
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 550
caggaacgtg ctaccctgct gaaagaattc tggcgtatgg ttgaaggtct gggtaaaaac 60

cgtggt 66

<210> 551
<211> 66
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 551
aacgaacgtg ctaccctgct gcgtgaattc tggcagctgg ttggtggtta cggtgttaac 60

cagcgt 66

<210> 552
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 552
cagcgtgaat ggtacccgtg ctacggtggt cacctgtggt gctacgacct gcacaaagct 60

<210> 553
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 553
atctccgctt ggtactcctg ctacgctggt cacttctggt gctgggacct gaaacagaaa 60

<210> 554
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 554
tggaccggtt ggtaccagtg ctacggtggt cacctgtggt gctacgacct gcgtcgtaaa 60

<210> 555
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 555
aaaaccttct ggtacccgtg ctacgacggt cacttctggt gctacaacct gaaatcctcc 60

<210> 556
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 556
gaatcccgtt ggtacccgtg ctacgaaggt cacctgtggt gcttcgacct gaccgaaacc 60

<210> 557
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 557
aatgtttttt ttcaatgggt tcaaaaacat ggtcgtgttg tttatcaatg gcttgatatt 60

aatgtt 66

<210> 558
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 558
tttgattttc ttcaatggct tcaaaatcat cgttctgaag ttgaacattg gcttgttatg 60

gatgtt 66

<210> 559
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 559
catcaacgtg atatgtctat gctttgggaa cttcttgatg ttcttgatgg tcttcgtcaa 60

tattct 66

<210> 560
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 560
actcaacgtg atatgtctat gcttgatggt cttcttgaag ttcttgatca acttcgtcaa 60

caacgt 66

<210> 561
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 561
acctcccgtg acatgtccct gctgtgggaa ctgctggaag aactggaccg tctgggtcac 60

cagcgt 66

<210> 562
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 562
atgcaacatg atatgtctat gctttatggt cttgttgaac ttcttgaatc tcttggtcat 60

caaatt 66

<210> 563
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 563
tggaatcgtg atatgcgtat gcttgaatct ctttttgaag ttcttgatgg tcttcgtcaa 60

caagtt 66

<210> 564
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 564
ggttatcgtg atatgtctat gcttgaaggt cttcttgctg ttcttgatcg tcttggtcca 60

caactt 66

<210> 565
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 565
actcaacgtg atatgtctat gcttgaaggt cttcttgaag ttcttgatcg tcttggtcaa 60

caacgt 66

<210> 566
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 566
tggtaccgtg acatgtccat gctggaaggt ctgctggaag ttctggaccg tctgggtcag 60

cagcgt 66

<210> 567
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 567
actcaaaatt ctcgtcaaat gcttctttct gattttatga tgcttgttgg ttctatgatt 60

caaggt 66

<210> 568
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 568
atgcaaactt ctcgtcatat tcttctttct gaatttatga tgcttgttgg ttctattatg 60

catggt 66

<210> 569
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 569
cacgacaact cccgtcagat gctgctgtcc gacctgctgc acctggttgg taccatgatc 60

cagggt 66

<210> 570
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 570
atggaaaact cccgtcagaa cctgctgcgt gaactgatca tgctggttgg taacatgtcc 60

caccag 66

<210> 571
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 571
caggacacct cccgtcacat gctgctgcgt gaattcatga tgctggttgg tgaaatgatc 60

cagggt 66

<210> 572
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 572
gaccagaact cccgtcagat gctgctgtcc gacctgatga tcctggttgg ttccatgatc 60

cagggt 66

<210> 573
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 573
gttgctcttc atggtcaatg tactcgttgg ccatggatgt gtccaccaca acgtgaaggt 60

<210> 574
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 574

tatccagaac aaggtctttg tactcgttgg ccatggatgt gtccaccaca aactcttgct 60

<210> 575
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 575
ggtctgaacc agggtcactg cacccgttgg ccgtggatgt gcccgccgca ggactccaac 60

<210> 576
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 576
atgattactc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca accatctggt 60

<210> 577
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 577
gctggtgctc aggaacactg cacccgttgg ccgtggatgt gcgctccgaa cgactggatc 60

<210> 578
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 578
ggtgttaacc agggtcagtg cacccgttgg cgttggatgt gcccgccgaa cggttgggaa 60

<210> 579
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 579
ctggctgacc acggtcagtg catccgttgg ccgtggatgt gcccgccgga aggttgggaa 60

<210> 580
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 580
atcctggaac aggctcagtg cacccgttgg ccgtggatgt gcccgccgca gcgtggtggt 60

<210> 581
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 581
actcaaactc atgctcaatg tactcgttgg ccatggatgt gtccaccaca atgggaaggt 60

<210> 582
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 582
gttgttactc aaggtcattg tactctttgg ccatggatgt gtccaccaca acgttggcgt 60

<210> 583
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 583
atttatccac atgatcaatg tactcgttgg ccatggatgt gtccaccaca accatatcca 60

<210> 584
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 584
tcttattggc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca atggcgtggt 60

<210> 585
<211> 60
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 585
atgtggcaac aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

<210> 586
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 586
gaattcaccc agtggcactg cacccgttgg ccgtggatgt gcccgccgca gcgttcccag 60

<210> 587
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 587
ctggacgacc agtggcagtg cacccgttgg ccgtggatgt gcccgccgca gggtttctcc 60

<210> 588
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 588
tatcaaactc aaggtctttg tactcgttgg ccatggatgt gtccaccaca atctcaacgt 60

<210> 589
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 589
gaatctaatc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca aggtggttgg 60

<210> 590
<211> 60
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 590
tggaccgacc gtggtccgtg cacccgttgg ccgtggatgt gcccgccgca ggctaacggt 60

<210> 591
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 591
gttggtaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgta cgaaaccggt 60

<210> 592
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 592
ccgtacgaac agggtaaatg cacccgttgg ccgtggatgt gcccgccgta cgaagttgaa 60

<210> 593
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 593
tccgaatacc agggtctgtg cacccgttgg ccgtggatgt gcccgccgca gggttggaaa 60

<210> 594
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 594
accttctccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 595
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 595
ccgggtgctc acgaccactg cacccgttgg ccgtggatgt gcccgccgca gtcccgttac 60

<210> 596
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 596
gttgctgaag aatggcactg ccgtcgttgg ccgtggatgt gcccgccgca ggactggcgt 60

<210> 597
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 597
gttggtaccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gccggctggt 60

<210> 598
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 598
gaagaagacc aggctcactg ccgttcctgg ccgtggatgt gcccgccgca gggttgggtt 60

<210> 599
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 599
gctgacaccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gcactggttc 60

<210> 600
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 600
tccggtccgc agggtcactg cacccgttgg ccgtggatgt gcgctccgca gggttggttc 60

<210> 601
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 601
accctggttc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gcgttgggtt 60

<210> 602
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 602
ggtatggctc acggtaaatg cacccgttgg gcttggatgt gcccgccgca gtcctggaaa 60

<210> 603
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 603
gaactgtacc acggtcagtg cacccgttgg ccgtggatgt gcccgccgca gtcctgggct 60

<210> 604
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 604
gttgctgacc acggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 605
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 605
ccggaatccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 606
<211> 60

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 606
atcccggctc acggtcactg cacccgttgg ccgtggatgt gcccgccgca gcgttggcgt 60

<210> 607
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 607
ttcaccgttc acggtcactg cacccgttgg ccgtggatgt gcccgccgta cggttgggtt 60

<210> 608
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 608
ccagattttc caggtcattg tactcgttgg cgttggatgt gtccaccaca aggttgggaa 60

<210> 609
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 609
cagctgtggc agggtccgtg cacccagtgg ccgtggatgt gcccgccgaa aggtcgttac 60

<210> 610
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 610
cacgctaacg acggtcactg cacccgttgg cagtggatgt gcccgccgca gtggggtggt 60

<210> 611
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 611
gaaaccgacc acggtctgtg cacccgttgg ccgtggatgt gcccgccgta cggtgctcgt 60

<210> 612
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 612
ggtacctggc agggtctgtg cacccgttgg ccgtggatgt gcccgccgca gggttggcag 60

<210> 613
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 613
gttgctaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 614
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 614
gttgctaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgca gcgttggggt 60

<210> 615
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 615
Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly Gln Cys Ile Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu Leu Glu Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
35 40 45

Ala Thr Gly Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met
50 55 60

Cys Pro Pro Glu Gly Trp Glu Leu Glu
65 70

<210> 616
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 616
cttgctgatc atggtcaatg tattcgttgg ccatggatgt gtccaccaga aggttgggaa 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtctggctga ccacggtcag tgcatccgtt ggccgtggat gtgcccgccg 180

gaaggttggg aactggaa 198

<210> 617
<211> 69
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 617
Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly Gln Cys Ile Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu Gly Ser Gly Ser Ala
20 25 30

Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr
35 40 45

Gly Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro
50 55 60

Pro Glu Gly Trp Glu
65

<210> 618
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 618

cttgctgatc atggtcaatg tattcgttgg ccatggatgt gtccaccaga aggttgggaa 60

ggttccggtt ccgctaccgg cggctctggc ggtggcgctt cttccggttc cggttctgct 120

actggtctgg ctgaccacgg tcagtgcatc cgttggccgt ggatgtgtcc accagaaggt 180

tgggaa 186

<210> 619
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 619
Gly Gly Gly Gly Gly Ala Gln Ser Glu Tyr Gln Gly Leu Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Lys Leu Glu Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
35 40 45

Ala Thr Gly Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met
50 55 60

Cys Pro Pro Gln Gly Trp Lys Leu Glu
65 70

<210> 620
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 620
tctgaatatc aaggtctttg tactcgttgg ccatggatgt gtccaccaca aggttggaaa 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gttctgagta tcaaggcctc tgtactcgct ggccatggat gtgtccacca 180

caaggctgga agctggaa 198

<210> 621
<211> 69
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 621

Gly Gly Gly Gly Gly Ala Gln Ser Glu Tyr Gln Gly Leu Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Lys Gly Ser Gly Ser Ala
20 25 30

Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr
35 40 45

Gly Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro
50 55 60

Pro Gln Gly Trp Lys
65

<210> 622
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 622
tctgaatatc aaggtctttg tactcgttgg ccatggatgt gtccaccaca aggttggaaa 60

ggttccggtt ccgctaccgg cggctctggc ggtggcgctt cttccggttc cggttctgct 120

actggttctg agtatcaagg cctctgtact cgctggccat ggatgtgtcc accacaaggt 180

tggaaa 186

<210> 623
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 623
Gly Gly Gly Gly Gly Ala Gln Thr Phe Ser Gln Gly His Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
35 40 45

Ala Thr Gly Thr Phe Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met
50 55 60

Cys Pro Pro Gln Gly Trp Gly Leu Glu
65 70

<210> 624
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 624
acttttttctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtacttttttc tcaaggccat tgtactcgct ggccatggat gtgtccacca 180

caaggctggg gcctggaa 198

<210> 625
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 625
Gly Gly Gly Gly Gly Ala Gln Val Ala Asp His Gly His Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
35 40 45

Ala Thr Gly Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met
50 55 60

Cys Pro Pro Gln Gly Trp Gly Leu Glu
65 70

<210> 626
<211> 198
<212> DNA
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<220>
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Nucleotide sequence encoding Myostatin Binding Peptide

<400> 626
gttgctgatc atggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc aaccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtgttgctga ccacggtcac tgcacccgtt ggccgtggat gtgcccgccg 180

cagggttggg gtctggaa 198

<210> 627
<211> 69
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 627
Gly Gly Gly Gly Gly Ala Gln Val Ala Asp His Gly His Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Gly Ser Gly Ser Ala
20 25 30

Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr
35 40 45

Gly Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Val Cys Pro
50 55 60

Pro Gln Gly Trp Gly
65

<210> 628
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 628
gttgctgatc atggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ggttccggtt ccgctaccgg cggctctggc ggtggtgctt cttccggttc cggttctgct 120

actggtgttg ctgaccacgg tcactgcacc cgttggccgt gggtgtgtcc accacaaggt 180

tggggt 186

<210> 629
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 629
Gly Gly Gly Gly Gly Ala Gln Pro Glu Ser Gln Gly His Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser
35 40 45

Ala Thr Gly Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met
50 55 60

Cys Pro Pro Gln Gly Trp Gly Leu Glu
65 70

<210> 630
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 630
ccagaatctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtccggaatc ccagggtcac tgcacccgtt ggccgtggat gtgcccgccg 180

cagggttggg gtctggaa 198

<210> 631
<211> 69
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 631
Gly Gly Gly Gly Gly Ala Gln Pro Glu Ser Gln Gly His Cys Thr Arg
1 5 10 15

Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Gly Ser Gly Ser Ala
20 25 30

Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly Ser Ala Thr
35 40 45

Gly Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
50 55 60

Pro Gln Gly Trp Gly
65

<210> 632
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 632
ccagaatctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ggttccggtt ccgctaccgg cggctctggc ggtggtgctt cttccggttc cggttctgct 120

actggtccgg aatcccaggg tcactgcacc cgttggccgt ggatgtgtcc accacaaggt 180

tggggt 186

<210> 633
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 633
Trp Met Cys Pro Pro
1 5

<210> 634
<211> 90
<212> DNA
<213> Artificial Sequence

<220>
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Randomly generated nucleotide sequence

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<221> modified_base
<222> (16)..(17)
<223> a, c, g or t

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<222> (19)..(20)
<223> a, c, g or t

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<223> a, c, g or t

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<222> (67)..(68)
<223> a, c, g or t

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<222> (70)..(71)
<223> a, c, g or t

<220>
<221> modified_base
<222> (73)..(74)
<223> a, c, g or t

<400> 634
cacagtgcac agggtnnknn knnkcakggk caktgkackc gktgkccktg katktgkcck 60

ccktaknnkn nknnkcattc tctcgagatc 90

<210> 635
<211> 255
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 635
Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1 5 10 15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20 25 30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65 70 75 80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
85 90 95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
100 105 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
115 120 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
130 135 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145 150 155 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
165 170 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
180 185 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
195 200 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
210 215 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly
225 230 235 240

Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu
245 250 255

SEQUENCE LISTING

<110> AMGEN INC.
PINTA BIOTHERAPEUTICS, INC.

<120> MYOSTATIN ANTAGONISM IN HUMAN SUBJECTS

<130> 29956-26324/PCT

<140> PCT/US2014/029502
<141> 2014-03-14

<150> 61/799,928
<151> 2013-03-15

<160> 645

<170> PatentIn version 3.5

<210> 1
<211> 14
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 1
Lys Asp Lys Cys Lys Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 2
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 2
Lys Asp Leu Cys Ala Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 3
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 3
Asp Leu Cys Lys Met Trp Lys Trp Met Cys Lys Pro Pro
1 5 10

<210> 4
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 4
Lys Asp Leu Cys Lys Met Trp His Trp Met Cys Lys Pro Lys
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 5
Trp Tyr Pro Cys Tyr Glu Phe His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 6
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 6
Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 7
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 7
Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr Gln Phe
1 5 10

<210> 8
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 8
Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr Gln Phe
1 5 10

<210> 9
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 9
Ala Asp Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met
1 5 10

<210> 10
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 10
His Lys Phe Cys Pro Trp Trp Ala Leu Phe Cys Trp Asp Phe
1 5 10

<210> 11
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 11
Lys Asp Leu Cys Lys Met Trp His Trp Met Cys Lys Pro Pro
1 5 10

<210> 12
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 12
Ile Asp Lys Cys Ala Ile Trp Gly Trp Met Cys Pro Pro Leu
1 5 10

<210> 13
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 13
Trp Tyr Pro Cys Gly Glu Phe Gly Met Trp Cys Leu Asn Val
1 5 10

<210> 14
<211> 11
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 14
Trp Phe Thr Cys Leu Trp Asn Cys Asp Asn Glu
1 5 10

<210> 15
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 15
His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val Glu Trp
1 5 10

<210> 16
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 16
Lys Glu Trp Cys Trp Arg Trp Lys Trp Met Cys Lys Pro Glu
1 5 10

<210> 17
<211> 14
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 17
Phe Glu Thr Cys Pro Ser Trp Ala Tyr Phe Cys Leu Asp Ile
1 5 10

<210> 18
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 18
Ala Tyr Lys Cys Glu Ala Asn Asp Trp Gly Cys Trp Trp Leu
1 5 10

<210> 19

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 19
Asn Ser Trp Cys Glu Asp Gln Trp His Arg Cys Trp Trp Leu
1 5 10

<210> 20
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 20
Trp Ser Ala Cys Tyr Ala Gly His Phe Trp Cys Tyr Asp Leu
1 5 10

<210> 21
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 21
Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met
1 5 10

<210> 22
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 22
Trp Thr Glu Cys Tyr Gln Gln Glu Phe Trp Cys Trp Asn Leu
1 5 10

<210> 23
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 23
Glu Asn Thr Cys Glu Arg Trp Lys Trp Met Cys Pro Pro Lys
1 5 10

<210> 24
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 24
Trp Leu Pro Cys His Gln Glu Gly Phe Trp Cys Met Asn Phe
1 5 10

<210> 25
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 25
Ser Thr Met Cys Ser Gln Trp His Trp Met Cys Asn Pro Phe
1 5 10

<210> 26
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 26
Ile Phe Gly Cys His Trp Trp Asp Val Asp Cys Tyr Gln Phe
1 5 10

<210> 27
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 27
Ile Tyr Gly Cys Lys Trp Trp Asp Ile Gln Cys Tyr Asp Ile
1 5 10

<210> 28
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 28
Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp

1 5 10

<210> 29
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 29
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr
1 5 10

<210> 30
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 30
Trp Gln Glu Cys Tyr Arg Glu Gly Phe Trp Cys Leu Gln Thr
1 5 10

<210> 31
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 31
Trp Phe Asp Cys Tyr Gly Pro Gly Phe Lys Cys Trp Ser Pro
1 5 10

<210> 32
<211> 14
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 32
Gly Val Arg Cys Pro Lys Gly His Leu Trp Cys Leu Tyr Pro
1 5 10

<210> 33
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 33
His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys Trp Val
1 5 10

<210> 34
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 34
Gly Pro Ala Cys His Ser Pro Trp Trp Trp Cys Val Phe Gly
1 5 10

<210> 35
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 35
Thr Thr Trp Cys Ile Ser Pro Met Trp Phe Cys Ser Gln Gln
1 5 10

<210> 36
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 36
His Lys Phe Cys Pro Pro Trp Ala Ile Phe Cys Trp Asp Phe
1 5 10

<210> 37
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 37
Pro Asp Trp Cys Val Ser Pro Arg Trp Tyr Cys Asn Met Trp
1 5 10

<210> 38
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 38
Val Trp Lys Cys His Trp Phe Gly Met Asp Cys Glu Pro Thr
1 5 10

<210> 39
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 39
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys
1 5 10

<210> 40
<211> 14
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 40
Trp Phe Gln Cys Gly Ser Thr Leu Phe Trp Cys Tyr Asn Leu
1 5 10

<210> 41
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 41
Trp Ser Pro Cys Tyr Asp His Tyr Phe Tyr Cys Tyr Thr Ile
1 5 10

<210> 42
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 42
Ser Trp Met Cys Gly Phe Phe Lys Glu Val Cys Met Trp Val
1 5 10

<210> 43
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 43
Glu Met Leu Cys Met Ile His Pro Val Phe Cys Asn Pro His
1 5 10

<210> 44
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 44
Leu Lys Thr Cys Asn Leu Trp Pro Trp Met Cys Pro Pro Leu
1 5 10

<210> 45
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 45
Val Val Gly Cys Lys Trp Tyr Glu Ala Trp Cys Tyr Asn Lys
1 5 10

<210> 46
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 46
Pro Ile His Cys Thr Gln Trp Ala Trp Met Cys Pro Pro Thr
1 5 10

<210> 47
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 47
Asp Ser Asn Cys Pro Trp Tyr Phe Leu Ser Cys Val Ile Phe
1 5 10

<210> 48
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 48
His Ile Trp Cys Asn Leu Ala Met Met Lys Cys Val Glu Met
1 5 10

<210> 49
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 49
Asn Leu Gln Cys Ile Tyr Phe Leu Gly Lys Cys Ile Tyr Phe
1 5 10

<210> 50
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 50
Ala Trp Arg Cys Met Trp Phe Ser Asp Val Cys Thr Pro Gly
1 5 10

<210> 51
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 51
Trp Phe Arg Cys Phe Leu Asp Ala Asp Trp Cys Thr Ser Val
1 5 10

<210> 52
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 52
Glu Lys Ile Cys Gln Met Trp Ser Trp Met Cys Ala Pro Pro
1 5 10

<210> 53

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 53
Trp Phe Tyr Cys His Leu Asn Lys Ser Glu Cys Thr Glu Pro
1 5 10

<210> 54
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 54
Phe Trp Arg Cys Ala Ile Gly Ile Asp Lys Cys Lys Arg Val
1 5 10

<210> 55
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 55
Asn Leu Gly Cys Lys Trp Tyr Glu Val Trp Cys Phe Thr Tyr
1 5 10

<210> 56
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 56
Ile Asp Leu Cys Asn Met Trp Asp Gly Met Cys Tyr Pro Pro
1 5 10

<210> 57
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 57
Glu Met Pro Cys Asn Ile Trp Gly Trp Met Cys Pro Pro Val
1 5 10

<210> 58
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 58
Trp Phe Arg Cys Val Leu Thr Gly Ile Val Asp Trp Ser Glu Cys Phe
1 5 10 15

Gly Leu

<210> 59
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 59
Trp Phe Arg Cys Val Leu Thr Gly Ile Val Asp Trp Ser Glu Cys Phe
1 5 10 15

Gly Leu

<210> 60
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 60
Leu Pro Trp Cys His Asp Gln Val Asn Ala Asp Trp Gly Phe Cys Met
1 5 10 15

Leu Trp

<210> 61
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 61
Tyr Pro Thr Cys Ser Glu Lys Phe Trp Ile Tyr Gly Gln Thr Cys Val
1 5 10 15

Leu Trp

<210> 62
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 62
Leu Gly Pro Cys Pro Ile His His Gly Pro Trp Pro Gln Tyr Cys Val
1 5 10 15

Tyr Trp

<210> 63
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 63
Pro Phe Pro Cys Glu Thr His Gln Ile Ser Trp Leu Gly His Cys Leu
1 5 10 15

Ser Phe

<210> 64
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 64
His Trp Gly Cys Glu Asp Leu Met Trp Ser Trp His Pro Leu Cys Arg
1 5 10 15

Arg Pro

<210> 65
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 65
Leu Pro Leu Cys Asp Ala Asp Met Met Pro Thr Ile Gly Phe Cys Val
1 5 10 15

Ala Tyr

<210> 66
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 66
Ser His Trp Cys Glu Thr Thr Phe Trp Met Asn Tyr Ala Lys Cys Val
1 5 10 15

His Ala

<210> 67
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 67
Leu Pro Lys Cys Thr His Val Pro Phe Asp Gln Gly Gly Phe Cys Leu
1 5 10 15

Trp Tyr

<210> 68
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 68
Phe Ser Ser Cys Trp Ser Pro Val Ser Arg Gln Asp Met Phe Cys Val
1 5 10 15

Phe Tyr

<210> 69
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 69
Ser His Lys Cys Glu Tyr Ser Gly Trp Leu Gln Pro Leu Cys Tyr Arg
1 5 10 15

Pro

<210> 70
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 70
Pro Trp Trp Cys Gln Asp Asn Tyr Val Gln His Met Leu His Cys Asp
1 5 10 15

Ser Pro

<210> 71
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 71
Trp Phe Arg Cys Met Leu Met Asn Ser Phe Asp Ala Phe Gln Cys Val
1 5 10 15

Ser Tyr

<210> 72
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 72
Pro Asp Ala Cys Arg Asp Gln Pro Trp Tyr Met Phe Met Gly Cys Met
1 5 10 15

Leu Gly

<210> 73

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 73
Phe Leu Ala Cys Phe Val Glu Phe Glu Leu Cys Phe Asp Ser
1 5 10

<210> 74
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 74
Ser Ala Tyr Cys Ile Ile Thr Glu Ser Asp Pro Tyr Val Leu Cys Val
1 5 10 15

Pro Leu

<210> 75
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 75
Pro Ser Ile Cys Glu Ser Tyr Ser Thr Met Trp Leu Pro Met Cys Gln
1 5 10 15

His Asn

<210> 76
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 76
Trp Leu Asp Cys His Asp Asp Ser Trp Ala Trp Thr Lys Met Cys Arg
1 5 10 15

Ser His

<210> 77

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 77
Tyr Leu Asn Cys Val Met Met Asn Thr Ser Pro Phe Val Glu Cys Val
1 5 10 15

Phe Asn

<210> 78
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 78
Tyr Pro Trp Cys Asp Gly Phe Met Ile Gln Gln Gly Ile Thr Cys Met
1 5 10 15

Phe Tyr

<210> 79
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 79
Phe Asp Tyr Cys Thr Trp Leu Asn Gly Phe Lys Asp Trp Lys Cys Trp
1 5 10 15

Ser Arg

<210> 80
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 80
Leu Pro Leu Cys Asn Leu Lys Glu Ile Ser His Val Gln Ala Cys Val
1 5 10 15

Leu Phe

<210> 81
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 81
Ser Pro Glu Cys Ala Phe Ala Arg Trp Leu Gly Ile Glu Gln Cys Gln
1 5 10 15

Arg Asp

<210> 82
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 82
Tyr Pro Gln Cys Phe Asn Leu His Leu Leu Glu Trp Thr Glu Cys Asp
1 5 10 15

Trp Phe

<210> 83
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 83
Arg Trp Arg Cys Glu Ile Tyr Asp Ser Glu Phe Leu Pro Lys Cys Trp
1 5 10 15

Phe Phe

<210> 84
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 84
Leu Val Gly Cys Asp Asn Val Trp His Arg Cys Lys Leu Phe

1 5 10

<210> 85
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 85
Ala Gly Trp Cys His Val Trp Gly Glu Met Phe Gly Met Gly Cys Ser
1 5 10 15

Ala Leu

<210> 86
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 86
His His Glu Cys Glu Trp Met Ala Arg Trp Met Ser Leu Asp Cys Val
1 5 10 15

Gly Leu

<210> 87
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 87
Phe Pro Met Cys Gly Ile Ala Gly Met Lys Asp Phe Asp Phe Cys Val
1 5 10 15

Trp Tyr

<210> 88
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 88
Arg Asp Asp Cys Thr Phe Trp Pro Glu Trp Leu Trp Lys Leu Cys Glu

1 5 10 15

Arg Pro

<210> 89
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 89
Tyr Asn Phe Cys Ser Tyr Leu Phe Gly Val Ser Lys Glu Ala Cys Gln
1 5 10 15

Leu Pro

<210> 90
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 90
Ala His Trp Cys Glu Gln Gly Pro Trp Arg Tyr Gly Asn Ile Cys Met
1 5 10 15

Ala Tyr

<210> 91
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 91
Asn Leu Val Cys Gly Lys Ile Ser Ala Trp Gly Asp Glu Ala Cys Ala
1 5 10 15

Arg Ala

<210> 92
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 92
His Asn Val Cys Thr Ile Met Gly Pro Ser Met Lys Trp Phe Cys Trp
1 5 10 15

Asn Asp

<210> 93
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 93
Asn Asp Leu Cys Ala Met Trp Gly Trp Arg Asn Thr Ile Trp Cys Gln
1 5 10 15

Asn Ser

<210> 94
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 94
Pro Pro Phe Cys Gln Asn Asp Asn Asp Met Leu Gln Ser Leu Cys Lys
1 5 10 15

Leu Leu

<210> 95
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 95
Trp Tyr Asp Cys Asn Val Pro Asn Glu Leu Leu Ser Gly Leu Cys Arg
1 5 10 15

Leu Phe

<210> 96
<211> 18
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 96
Tyr Gly Asp Cys Asp Gln Asn His Trp Met Trp Pro Phe Thr Cys Leu
1 5 10 15

Ser Leu

<210> 97
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 97
Gly Trp Met Cys His Phe Asp Leu His Asp Trp Gly Ala Thr Cys Gln
1 5 10 15

Pro Asp

<210> 98
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 98
Tyr Phe His Cys Met Phe Gly Gly His Glu Phe Glu Val His Cys Glu
1 5 10 15

Ser Phe

<210> 99
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 99
Ala Tyr Trp Cys Trp His Gly Gln Cys Val Arg Phe
1 5 10

<210> 100
<211> 19
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 100
Ser Glu His Trp Thr Phe Thr Asp Trp Asp Gly Asn Glu Trp Trp Val
1 5 10 15

Arg Pro Phe

<210> 101
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 101
Met Glu Met Leu Asp Ser Leu Phe Glu Leu Leu Lys Asp Met Val Pro
1 5 10 15

Ile Ser Lys Ala
20

<210> 102
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 102
Ser Pro Pro Glu Glu Ala Leu Met Glu Trp Leu Gly Trp Gln Tyr Gly
1 5 10 15

Lys Phe Thr

<210> 103
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 103
Ser Pro Glu Asn Leu Leu Asn Asp Leu Tyr Ile Leu Met Thr Lys Gln
1 5 10 15

Glu Trp Tyr Gly
20

<210> 104
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 104
Phe His Trp Glu Glu Gly Ile Pro Phe His Val Val Thr Pro Tyr Ser
1 5 10 15

Tyr Asp Arg Met
20

<210> 105
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 105
Lys Arg Leu Leu Glu Gln Phe Met Asn Asp Leu Ala Glu Leu Val Ser
1 5 10 15

Gly His Ser

<210> 106
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 106
Asp Thr Arg Asp Ala Leu Phe Gln Glu Phe Tyr Glu Phe Val Arg Ser
1 5 10 15

Arg Leu Val Ile
20

<210> 107
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 107
Arg Met Ser Ala Ala Pro Arg Pro Leu Thr Tyr Arg Asp Ile Met Asp
1 5 10 15

Gln Tyr Trp His
20

<210> 108
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 108
Asn Asp Lys Ala His Phe Phe Glu Met Phe Met Phe Asp Val His Asn
1 5 10 15

Phe Val Glu Ser
20

<210> 109
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 109
Gln Thr Gln Ala Gln Lys Ile Asp Gly Leu Trp Glu Leu Leu Gln Ser
1 5 10 15

Ile Arg Asn Gln
20

<210> 110
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 110
Met Leu Ser Glu Phe Glu Glu Phe Leu Gly Asn Leu Val His Arg Gln
1 5 10 15

Glu Ala

<210> 111
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 111
Tyr Thr Pro Lys Met Gly Ser Glu Trp Thr Ser Phe Trp His Asn Arg
1 5 10 15

Ile His Tyr Leu
20

<210> 112
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 112
Leu Asn Asp Thr Leu Leu Arg Glu Leu Lys Met Val Leu Asn Ser Leu
1 5 10 15

Ser Asp Met Lys
20

<210> 113
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 113
Phe Asp Val Glu Arg Asp Leu Met Arg Trp Leu Glu Gly Phe Met Gln
1 5 10 15

Ser Ala Ala Thr
20

<210> 114
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 114
His His Gly Trp Asn Tyr Leu Arg Lys Gly Ser Ala Pro Gln Trp Phe
1 5 10 15

Glu Ala Trp Val
20

<210> 115
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 115
Val Glu Ser Leu His Gln Leu Gln Met Trp Leu Asp Gln Lys Leu Ala
1 5 10 15

Ser Gly Pro His
20

<210> 116
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 116
Arg Ala Thr Leu Leu Lys Asp Phe Trp Gln Leu Val Glu Gly Tyr Gly
1 5 10 15

Asp Asn

<210> 117
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 117
Glu Glu Leu Leu Arg Glu Phe Tyr Arg Phe Val Ser Ala Phe Asp Tyr
1 5 10 15

<210> 118
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 118
Gly Leu Leu Asp Glu Phe Ser His Phe Ile Ala Glu Gln Phe Tyr Gln
1 5 10 15

Met Pro Gly Gly
20

<210> 119
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 119
Tyr Arg Glu Met Ser Met Leu Glu Gly Leu Leu Asp Val Leu Glu Arg
1 5 10 15

Leu Gln His Tyr
20

<210> 120
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 120
His Asn Ser Ser Gln Met Leu Leu Ser Glu Leu Ile Met Leu Val Gly
1 5 10 15

Ser Met Met Gln
20

<210> 121
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 121
Trp Arg Glu His Phe Leu Asn Ser Asp Tyr Ile Arg Asp Lys Leu Ile
1 5 10 15

Ala Ile Asp Gly
20

<210> 122
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 122
Gln Phe Pro Phe Tyr Val Phe Asp Asp Leu Pro Ala Gln Leu Glu Tyr
1 5 10 15

Trp Ile Ala

<210> 123

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 123
Glu Phe Phe His Trp Leu His Asn His Arg Ser Glu Val Asn His Trp
1 5 10 15

Leu Asp Met Asn
20

<210> 124
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 124
Glu Ala Leu Phe Gln Asn Phe Phe Arg Asp Val Leu Thr Leu Ser Glu
1 5 10 15

Arg Glu Tyr

<210> 125
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 125
Gln Tyr Trp Glu Gln Gln Trp Met Thr Tyr Phe Arg Glu Asn Gly Leu
1 5 10 15

His Val Gln Tyr
20

<210> 126
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 126
Asn Gln Arg Met Met Leu Glu Asp Leu Trp Arg Ile Met Thr Pro Met
1 5 10 15

Phe Gly Arg Ser

<210> 127
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 127
Phe Leu Asp Glu Leu Lys Ala Glu Leu Ser Arg His Tyr Ala Leu Asp
1 5 10 15

Asp Leu Asp Glu
20

<210> 128
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 128
Gly Lys Leu Ile Glu Gly Leu Leu Asn Glu Leu Met Gln Leu Glu Thr
1 5 10 15

Phe Met Pro Asp
20

<210> 129
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 129
Ile Leu Leu Leu Asp Glu Tyr Lys Lys Asp Trp Lys Ser Trp Phe
1 5 10 15

<210> 130
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 130
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly

20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 131
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 131
Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu Gly Ser
1 5 10 15

Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro
20 25 30

Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu
35 40

<210> 132
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 132
His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val Glu Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Thr Pro Cys Pro Trp Phe Ala Pro Leu Cys Val
35 40 45

Glu Trp
50

<210> 133
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 133
Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
35 40 45

Phe Trp
50

<210> 134
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 134
Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met Val Met Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Ala Asn Trp Cys Val Ser Pro Asn Trp Phe Cys Met
35 40 45

Val Met
50

<210> 135
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 135
Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys Phe Trp Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Pro Asp Trp Cys Ile Asp Pro Asp Trp Trp Cys Lys
35 40 45

Phe Trp
50

<210> 136
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 136
His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys Trp Val Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly His Trp Ala Cys Gly Tyr Trp Pro Trp Ser Cys Lys
35 40 45

Trp Val
50

<210> 137
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 137
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 138
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 138
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly

20 25 30

Ser Ala Thr Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala
35 40 45

Pro Lys
50

<210> 139
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 139
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Ser
1 5 10 15

Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly
20 25 30

Ser Ala Thr Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro
35 40 45

Pro Tyr
50

<210> 140
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 140
Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala Pro Lys Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Gln Gly His Cys Thr Arg Trp Pro Trp Met
20 25 30

Cys Pro Pro Tyr
35

<210> 141
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 141
Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Tyr Gly Gly
1 5 10 15

Gly Gly Gly Gly Lys Lys His Cys Gln Ile Trp Thr Trp Met Cys Ala
20 25 30

Pro Lys

<210> 142
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Any amino acid

<400> 142
Lys Asp Xaa Cys Xaa Xaa Trp His Trp Met Cys Lys Pro Xaa
1 5 10

<210> 143
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(7)
<223> Any amino acid

<400> 143
Trp Xaa Xaa Cys Xaa Xaa Xaa Gly Phe Trp Cys Leu Asn Val
1 5 10

<210> 144
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (13)..(14)
<223> Any amino acid

<400> 144
Ile Xaa Gly Cys Xaa Trp Trp Asp Xaa Xaa Cys Tyr Xaa Xaa
1 5 10

<210> 145
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (12)..(14)
<223> Any amino acid

<400> 145
Xaa Xaa Trp Cys Val Ser Pro Xaa Trp Phe Cys Xaa Xaa Xaa
1 5 10

<210> 146
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(3)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Any amino acid

<400> 146
Xaa Xaa Xaa Cys Pro Trp Phe Ala Xaa Xaa Cys Val Asp Trp
1 5 10

<210> 147
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 147
aaagacaaat gcaaaatgtg gcactggatg tgcaaaccgc cg 42

<210> 148
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 148
aaagacctgt gcgctatgtg gcactggatg tgcaaaccgc cg 42

<210> 149
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 149
aaagacctgt gcaaaatgtg gaaatggatg tgcaaaccgc cg 42

<210> 150
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 150
aaagacctgt gcaaaatgtg gcactggatg tgcaaaccga aa 42

<210> 151
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 151
tggtacccgt gctacgaatt ccacttctgg tgctacgacc tg 42

<210> 152
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 152
tggtacccgt gctacgaatt ccacttctgg tgctacgacc tg 42

<210> 153
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 153
tggtacccgt gctacgaagg tcacttctgg tgctacgacc tg 42

<210> 154
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 154
tggtacccgt gctacgaagg tcacttctgg tgctacgacc tg 42

<210> 155
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 155

atcttcggtt gcaaatggtg ggacgttcag tgctaccagt tc 42

<210> 156
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 156
atcttcggtt gcaaatggtg ggacgttgac tgctaccagt tc 42

<210> 157
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 157
atcttcggtt gcaaatggtg ggacgttgac tgctaccagt tc 42

<210> 158
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 158
gctgactggt gcgtttcccc gaactggttc tgcatggtta tg 42

<210> 159
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 159
cacaaattct gcccgtggtg ggctctgttc tgctgggact tc 42

<210> 160
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 160
aaagacctgt gcaaaatgtg gcactggatg tgcaaaccgc cg 42

<210> 161
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 161
atcgacaaat gcgctatctg gggttggatg tgcccgccgc tg 42

<210> 162
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 162
tggtacccgt gcggtgaatt cggtatgtgg tgcctgaacg tt 42

<210> 163
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 163
tggttcacct gcctgtggaa ctgcgacaac gaa 33

<210> 164
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 164
cacaccccgt gcccgtggtt cgctccgctg tgcgttgaat gg 42

<210> 165
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 165
aaagaatggt gctggcgttg gaaatggatg tgcaaaccgg aa 42

<210> 166
<211> 42
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 166
ttcgaaacct gcccgtcctg ggcttacttc tgcctggaca tc 42

<210> 167
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 167
ttcgaaacct gcccgtcctg ggcttacttc tgcctggaca tc 42

<210> 168
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 168
gcttacaaat gcgaagctaa cgactggggt tgctggtggc tg 42

<210> 169
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 169
aactcctggt gcgaagacca gtggcaccgt tgctggtggc tg 42

<210> 170
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 170
tggtccgctt gctacgctgg tcacttctgg tgctacgacc tg 42

<210> 171
<211> 42
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 171
gctaactggt gcgtttcccc gaactggttc tgcatggtta tg 42

<210> 172
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 172
tggaccgaat gctaccagca ggaattctgg tgctggaacc tg 42

<210> 173
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 173
gaaaacacct gcgaacgttg gaaatggatg tgcccgccga aa 42

<210> 174
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 174
tggctgccgt gccaccagga aggtttctgg tgcatgaact tc 42

<210> 175
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 175
tccaccatgt gctcccagtg gcactggatg tgcaacccgt tc 42

<210> 176
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 176
atcttcggtt gccactggtg ggacgttgac tgctaccagt tc 42

<210> 177
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 177
atctacggtt gcaaatggtg ggacatccag tgctacgaca tc 42

<210> 178
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 178
ccggactggt gcatcgatcc ggactggtgg tgcaaattct gg 42

<210> 179
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 179
cagggtcact gcacccgttg gccgtggatg tgcccgccgt ac 42

<210> 180
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 180
tggcaggaat gctaccgtga aggtttctgg tgcctgcaga cc 42

<210> 181
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 181
tggttcgact gctacggtcc gggtttcaaa tgctggtccc cg 42

<210> 182
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 182
ggtgttcgtt gcccgaaagg tcacctgtgg tgcctgtacc cg 42

<210> 183
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 183
cactgggctt gcggttactg gccgtggtcc tgcaaatggg tt 42

<210> 184
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 184
ggtccggctt gccactcccc gtggtggtgg tgcgttttcg gt 42

<210> 185
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 185
accacctggt gcatctcccc gatgtggttc tgctcccagc ag 42

<210> 186
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 186
cacaaattct gcccgccgtg ggctatcttc tgctgggact tc 42

<210> 187
<211> 42

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 187
ccggactggt gcgtttcccc gcgttggtac tgcaacatgt gg 42

<210> 188
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 188
gtttggaaat gccactggtt cggtatggac tgcgaaccga cc 42

<210> 189
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 189
aaaaaacact gccagatctg gacctggatg tgcgctccga aa 42

<210> 190
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 190
tggttccagt gcggttccac cctgttctgg tgctacaacc tg 42

<210> 191
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 191
tggtccccgt gctacgacca ctacttctac tgctacacca tc 42

<210> 192
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 192
tcctggatgt gcggtttctt caaagaagtt tgcatgtggg tt 42

<210> 193
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 193
gaaatgctgt gcatgatcca cccggttttc tgcaacccgc ac 42

<210> 194
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 194
ctgaaaacct gcaacctgtg gccgtggatg tgcccgccgc tg 42

<210> 195
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 195
gttgttggtt gcaaatggta cgaagcttgg tgctacaaca aa 42

<210> 196
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 196
ccgatccact gcacccagtg ggcttggatg tgcccgccga cc 42

<210> 197
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 197
gactccaact gcccgtggta cttcctgtcc tgcgttatct tc 42

<210> 198
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 198
gactccaact gcccgtggta cttcctgtcc tgcgttatct tc 42

<210> 199
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 199
aacctgcagt gcatctactt cctgggtaaa tgcatctact tc 42

<210> 200
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 200
gcttggcgtt gcatgtggtt ctccgacgtt tgcaccccgg gt 42

<210> 201
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 201
tggtttcgtt gttttcttga tgctgattgg tgtacttctg tt 42

<210> 202
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 202
gaaaaaattt gtcaaatgtg gtcttggatg tgtgctccac ca 42

<210> 203
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 203
tggttttatt gtcatcttaa taaatctgaa tgtactgaac ca 42

<210> 204
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 204
ttttggcgtt gtgctattgg tattgataaa tgtaaacgtg tt 42

<210> 205
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 205
aatcttggtt gtaaatggta tgaagtttgg tgttttactt at 42

<210> 206
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 206
attgatcttt gtaatatgtg ggatggtatg tgttatccac ca 42

<210> 207
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 207
gaaatgccat gtaatatttg gggttggatg tgtccaccag tt 42

<210> 208

<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 208
tggttccgtt gcgttctgac cggtatcgtt gactggtccg aatgcttcgg tctg 54

<210> 209
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 209
ggtttctcct gcaccttcgg tctggacgaa ttctacgttg actgctcccc gttc 54

<210> 210
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 210
ctgccgtggt gccacgacca ggttaacgct gactggggtt tctgcatgct gtgg 54

<210> 211
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 211
tacccgacct gctccgaaaa attctggatc tacggtcaga cctgcgttct gtgg 54

<210> 212
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 212
ctgggtccgt gcccgatcca ccacggtccg tggccgcagt actgcgttta ctgg 54

<210> 213
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 213
ccgttcccgt gcgaaaccca ccagatctcc tggctgggtc actgcctgtc cttc 54

<210> 214
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 214
cactggggtt gcgaagacct gatgtggtcc tggcacccgc tgtgccgtcg tccg 54

<210> 215
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 215
ctgccgctgt gcgacgctga catgatgccg accatcggtt tctgcgttgc ttac 54

<210> 216
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 216
tcccactggt gcgaaaccac cttctggatg aactacgcta aatgcgttca cgct 54

<210> 217
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 217
ctgccgaaat gcacccacgt tccgttcgac cagggtggtt tctgcctgtg gtac 54

<210> 218
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 218
ttctcctcct gctggtcccc ggtttcccgt caggacatgt tctgcgtttt ctac 54

<210> 219
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 219
tcccacaaat gcgaatactc cggttggctg cagccgctgt gctaccgtcc g 51

<210> 220
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 220
ccgtggtggt gccaggacaa ctacgttcag cacatgctgc actgcgactc cccg 54

<210> 221
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 221
tggttccgtt gcatgctgat gaactccttc gacgctttcc agtgcgtttc ctac 54

<210> 222
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 222
ccggacgctt gccgtgacca gccgtggtac atgttcatgg gttgcatgct gggt 54

<210> 223
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 223

ttcctggctt gcttcgttga attcgaactg tgcttcgact cc 42

<210> 224
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 224
tccgcttact gcatcatcac cgaatccgac ccgtacgttc tgtgcgttcc gctg 54

<210> 225
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 225
ccgtccatct gcgaatccta ctccaccatg tggctgccga tgtgccagca caac 54

<210> 226
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 226
tggctggact gccacgacga ctcctgggct tggaccaaaa tgtgccgttc ccac 54

<210> 227
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 227
tacctgaact gcgttatgat gaacacctcc ccgttcgttg aatgcgtttt caac 54

<210> 228
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 228
tacccgtggt gcgacggttt catgatccag cagggtatca cctgcatgtt ctac 54

<210> 229
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 229
ttcgactact gcacctggct gaacggtttc aaagactgga aatgctggtc ccgt 54

<210> 230
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 230
ctgccgctgt gcaacctgaa agaaatctcc cacgttcagg cttgcgttct gttc 54

<210> 231
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 231
tccccggaat gcgctttcgc tcgttggctg ggtatcgaac agtgccagcg tgac 54

<210> 232
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 232
tacccgcagt gcttcaacct gcacctgctg gaatggaccg aatgcgactg gttc 54

<210> 233
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 233
cgttggcgtt gcgaaatcta cgactccgaa ttcctgccga aatgctggtt cttc 54

<210> 234
<211> 42
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 234
ctggttggtt gcgacaacgt ttggcaccgt tgcaaactgt tc 42

<210> 235
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 235
gctggttggt gccacgtttg gggtgaaatg ttcggtatgg gttgctccgc tctg 54

<210> 236
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 236
caccacgaat gcgaatggat ggctcgttgg atgtccctgg actgcgttgg tctg 54

<210> 237
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 237
ttcccgatgt gcggtatcgc tggtatgaaa gacttcgact tctgcgtttg gtac 54

<210> 238
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 238
cgtgatgatt gtacttttg gccagaatgg ctttggaaac tttgtgaacg tcca 54

<210> 239
<211> 54
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 239
tataattttt gttcttatct ttttggtgtt tctaaagaag cttgtcaact tcca 54

<210> 240
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 240
gctcattggt gtgaacaagg tccatggcgt atggtaata tttgtatggc ttat 54

<210> 241
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 241
aatcttgttt gtggtaaaat ttctgcttgg ggtgatgaag cttgtgctcg tgct 54

<210> 242
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 242
cataatgttt gtactattat gggtccatct atgaaatggt tttgttggaa tgat 54

<210> 243
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 243
aatgatcttt gtgctatgtg gggttggcgt aatactattt ggtgtcaaaa ttct 54

<210> 244
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 244
ccaccatttt gtcaaaatga taatgatatg cttcaatctc tttgtaaact tctt 54

<210> 245
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 245
tggtatgatt gtaatgttcc aaatgaactt ctttctggtc tttgtcgtct tttt 54

<210> 246
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 246
tatggtgatt gtgatcaaaa tcattggatg tggccattta cttgtctttc tctt 54

<210> 247
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 247
ggttggatgt gtcattttga tcttcatgat tggggtgcta cttgtcaacc agat 54

<210> 248
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 248
tattttcatt gtatgtttgg tggtcatgaa tttgaagttc attgtgaatc tttt 54

<210> 249
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 249
gcttattggt gttggcatgg tcaatgtgtt cgtttt 36

<210> 250
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 250
tccgaacact ggaccttcac cgactgggac ggtaacgaat ggtgggttcg tccgttc 57

<210> 251
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 251
atggaaatgc tggactccct gttcgaactg ctgaaagaca tggttccgat ctccaaagct 60

<210> 252
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 252
tccccgccgg aagaagctct gatggaatgg ctgggttggc agtacggtaa attcacc 57

<210> 253
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 253
tccccggaaa acctgctgaa cgacctgtac atcctgatga ccaaacagga atggtacggt 60

<210> 254
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 254
ttccactggg aagaaggtat cccgttccac gttgttaccc cgtactccta cgaccgtatg 60

<210> 255
<211> 57

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 255
aaacgtctgc tggaacagtt catgaacgac ctggctgaac tggtttccgg tcactcc 57

<210> 256
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 256
gacacccgtg acgctctgtt ccaggaattc tacgaattcg ttcgttcccg tctggttatc 60

<210> 257
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 257
cgtatgtccg ctgctccgcg tccgctgacc taccgtgaca tcatggacca gtactggcac 60

<210> 258
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 258
aacgacaaag ctcacttctt cgaaatgttc atgttcgacg ttcacaactt cgttgaatcc 60

<210> 259
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 259
cagacccagg ctcagaaaat cgacggtctg tgggaactgc tgcagtccat ccgtaaccag 60

<210> 260
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 260
atgctgtccg aattcgaaga attcctgggt aacctggttc accgtcagga agct 54

<210> 261
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 261
tacaccccga aaatgggttc cgaatggacc tccttctggc acaaccgtat ccactacctg 60

<210> 262
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 262
ctgaacgaca ccctgctgcg tgaactgaaa atggttctga actccctgtc cgacatgaaa 60

<210> 263
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 263
ttcgacgttg aacgtgacct gatgcgttgg ctggaaggtt tcatgcagtc cgctgctacc 60

<210> 264
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 264
caccacggtt ggaactacct gcgtaaaggt tccgctccgc agtggttcga agcttgggtt 60

<210> 265
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 265
gttgaatccc tgcaccagct gcagatgtgg ctggaccaga aactggcttc cggtccgcac 60

<210> 266
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 266
cgtgctaccc tgctgaaaga cttctggcag ctggttgaag gttacggtga caac 54

<210> 267
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 267
gaagaactgc tgcgtgaatt ctaccgtttc gtttccgctt tcgactac 48

<210> 268
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 268
ggtctgctgg acgaattctc ccacttcatc gctgaacagt tctaccagat gccgggtggt 60

<210> 269
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 269
taccgtgaaa tgtccatgct ggaaggtctg ctggacgttc tggaacgtct gcagcactac 60

<210> 270
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 270
cacaactcct cccagatgct gctgtccgaa ctgatcatgc tggttggttc catgatgcag 60

<210> 271
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 271
tggcgtgaac acttcctgaa ctccgactac atccgtgaca aactgatcgc tatcgacggt 60

<210> 272
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 272
cagttcccgt tctacgtttt cgacgacctg ccggctcagc tggaatactg gatcgct 57

<210> 273
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 273
gaattcttcc actggctgca caaccaccgt tccgaagtta accactggct ggacatgaac 60

<210> 274
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 274
gaagctcttt ttcaaaattt ttttcgtgat gttcttactc tttctgaacg tgaatat 57

<210> 275
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 275
caatattggg aacaacaatg gatgacttat tttcgtgaaa atggtcttca tgttcaatat 60

<210> 276

<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 276
aatcaacgta tgatgcttga agatctttgg cgtattatga ctccaatgtt tggtcgttct 60

<210> 277
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 277
tttcttgatg aacttaaagc tgaactttct cgtcattatg ctcttgatga tcttgatgaa 60

<210> 278
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 278
ggtaaactta ttgaaggtct tcttaatgaa cttatgcaac ttgaaacttt tatgccagat 60

<210> 279
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 279
attcttcttc ttgatgaata taaaaaagat tggaaatctt ggttt 45

<210> 280
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 280
cagggccact gtactcgctg gccgtggatg tgcccgccgt acggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttctg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccaccgtat 150

<210> 281
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 281
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 282
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 282
cacactccgt gtccgtggtt tgctccgctg tgcgttgaat ggggttctgg ttccgctact 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtca caccccgtgc 120

ccgtggtttg caccgctgtg tgtagagtgg 150

<210> 283
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 283
ccggattggt gtatcgaccc ggactggtgg tgcaaattct ggggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtcc ggactggtgc 120

atcgacccgg attggtggtg taaattttgg 150

<210> 284
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 284
ccggattggt gtatcgaccc ggactggtgg tgcaaattct ggggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtcc ggactggtgc 120

atcgacccgg attggtggtg taaattttgg 150

<210> 285
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 285
accacttggt gcatctctcc gatgtggttc tgctctcagc agggttctgg ttccactgct 60

tcttctggtt ccggttctgc aactggtact acttggtgta tctctccaat gtggttttgt 120

tctcagcaa 129

<210> 286
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 286
cactgggcat gtggctattg gccgtggtcc tgcaaatggg ttggttctgg ttccgctacc 60

ggtggttccg gttccactgc ttcttctggt tccggttctg caactggtca ctgggcttgc 120

ggttactggc cgtggtcttg taaatgggtt 150

<210> 287
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 287
aaaaaacact gtcagatctg gacttggatg tgcgctccga aaggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttccg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccgccgtat 150

<210> 288
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 288
cagggtcact gcacccgttg gccgtggatg tgcccgccgt acggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttctg ctactggtaa aaaacactgc 120

cagatctgga cttggatgtg cgctccgaaa 150

<210> 289
<211> 150
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 289
aaaaaacact gtcagatctg gacttggatg tgcgctccga aaggttctgg ttccgctacc 60

ggtggttctg gttccactgc ttcttctggt tccggttccg ctactggtca gggtcactgc 120

actcgttggc catggatgtg tccgccgtat 150

<210> 290
<211> 108
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 290
aaaaaacact gccagatctg gacttggatg tgcgctccga aaggtggtgg tggtggtggc 60

ggtggccagg gtcactgcac ccgttggccg tggatgtgtc cgccgtat 108

<210> 291
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 291
cagggtcact gcacccgttg gccgtggatg tgcccgccgt acggtggtgg tggtggtggc 60

aaaaaacact gccagatctg gacttggatg tgcgctccga aa 102

<210> 292
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 292
gagagagagc atatgaatga gaacagtgag caaaaag 37

<210> 293
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 293
agagagggat ccattatgag cacccacagc ggtc 34

<210> 294
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 294
cggcgcaact atcggtatca agctg 25

<210> 295
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 295
catgtaccgt aacactgagt ttcgtc 26

<210> 296
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 296
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 297
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 297
acaaacaaac atatgggtgc acagaaagcg gccgcaaaaa aactcgaggg tggaggcggt 60

ggggaca 67

<210> 298
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 298
ggtcattact ggaccggatc 20

<210> 299
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 299
cgtacaggtt tacgcaagaa aatgg 25

<210> 300
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 300
tttgttggat ccattactcg agttttttg cggccgcttt ctgtgcacca ccacctccac 60

ctttac 66

<210> 301
<211> 681
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 301
gacaaaactc acacatgtcc accttgccca gcacctgaac tcctgggggg accgtcagtt 60

ttcctcttcc ccccaaaacc caaggacacc ctcatgatct cccggacccc tgaggtcaca 120

tgcgtggtgg tggacgtgag ccacgaagac cctgaggtca agttcaactg gtacgtggac 180

ggcgtggagg tgcataatgc caagacaaag ccgcgggagg agcagtacaa cagcacgtac 240

cgtgtggtca gcgtcctcac cgtcctgcac caggactggc tgaatggcaa ggagtacaag 300

tgcaaggtct ccaacaaagc cctcccagcc cccatcgaga aaaccatctc caaagccaaa 360

gggcagcccc gagaaccaca ggtgtacacc ctgcccccat cccgggatga gctgaccaag 420

aaccaggtca gcctgacctg cctggtcaaa ggcttctatc ccagcgacat cgccgtggag 480

tgggagagca atgggcagcc ggagaacaac tacaagacca cgcctcccgt gctggactcc 540

gacggctcct tcttcctcta cagcaagctc accgtggaca agagcaggtg gcagcagggg 600

aacgtcttct catgctccgt gatgcatgag gctctgcaca accactacac gcagaagagc 660

ctctccctgt ctccgggtaa a 681

<210> 302
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 302
ggtggaggtg gtggt 15

<210> 303
<211> 247
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 303

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Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1               5                  10                  15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
            20                  25                  30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
        35                  40                  45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
    50                  55                  60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65                  70                  75                  80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
                85                  90                  95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
            100                 105                 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
        115                 120                 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
    130                 135                 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
                165                 170                 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
            180                 185                 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
    210                 215                 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Lys Asp Lys Cys Lys Met Trp
```

225 230 235 240

His Trp Met Cys Lys Pro Pro
245

<210> 304
<211> 740
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 304
atggacaaaa ctcacacatg tccaccttgc ccagcacctg aactcctggg gggaccgtca 60

gttttcctct tccccccaaa acccaaggac accctcatga tctcccggac ccctgaggtc 120

acatgcgtgg tggtggacgt gagccacgaa gaccctgagg tcaagttcaa ctggtacgtg 180

gacggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagta caacagcacg 240

taccgtgtgg tcagcgtcct caccgtcctg caccaggact ggctgaatgg caaggagtac 300

aagtgcaagg tctccaacaa agccctccca gcccccatcg agaaaaccat ctccaaagcc 360

aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga tgagctgacc 420

aagaaccagg tcagcctgac ctgcctggtc aaaggcttct atcccagcga catcgccgtg 480

gagtgggaga gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac 540

tccgacggct ccttcttcct ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 600

gggaacgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta cacgcagaag 660

agcctctccc tgtctccggg taaaggtgga ggtggtggta agacaaatgc aaaatgtggc 720

actggatgtg caaaccgccg 740

<210> 305
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 305
Val Ala Leu His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Glu Gly
20

<210> 306
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 306
Tyr Pro Glu Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Thr Leu Ala
20

<210> 307
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 307
Gly Leu Asn Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Ser Asn
20

<210> 308
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 308
Met Ile Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Ser Gly
20

<210> 309
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 309
Ala Gly Ala Gln Glu His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Asn Asp Trp Ile
20

<210> 310
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 310
Gly Val Asn Gln Gly Gln Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Asn Gly Trp Glu
20

<210> 311
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 311
Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Glu Gly Trp Glu
20

<210> 312
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 312
Ile Leu Glu Gln Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Gly Gly
20

<210> 313
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 313
Thr Gln Thr His Ala Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Glu Gly
20

<210> 314
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 314
Val Val Thr Gln Gly His Cys Thr Leu Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Arg
20

<210> 315
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 315
Ile Tyr Pro His Asp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Tyr Pro
20

<210> 316
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 316
Ser Tyr Trp Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Arg Gly
20

<210> 317
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 317
Met Trp Gln Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 318
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 318
Glu Phe Thr Gln Trp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Ser Gln
20

<210> 319
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 319
Leu Asp Asp Gln Trp Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Phe Ser
20

<210> 320
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 320
Tyr Gln Thr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Gln Arg
20

<210> 321
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 321
Glu Ser Asn Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Gly Trp
20

<210> 322
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 322
Trp Thr Asp Arg Gly Pro Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ala Asn Gly
20

<210> 323
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 323
Val Gly Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Glu Thr Gly
20

<210> 324
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 324
Pro Tyr Glu Gln Gly Lys Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Glu Val Glu
20

<210> 325
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 325
Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Lys
20

<210> 326
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 326
Thr Phe Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 327
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 327
Pro Gly Ala His Asp His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Arg Tyr
20

<210> 328
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 328
Val Ala Glu Glu Trp His Cys Arg Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Asp Trp Arg
20

<210> 329
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 329
Val Gly Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Pro Ala Gly
20

<210> 330
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 330
Glu Glu Asp Gln Ala His Cys Arg Ser Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Val
20

<210> 331
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 331
Ala Asp Thr Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln His Trp Phe
20

<210> 332
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 332
Ser Gly Pro Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Ala Pro
1 5 10 15

Gln Gly Trp Phe
20

<210> 333
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 333
Thr Leu Val Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Val
20

<210> 334
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 334
Gly Met Ala His Gly Lys Cys Thr Arg Trp Ala Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Lys
20

<210> 335
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 335
Glu Leu Tyr His Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Ser Trp Ala
20

<210> 336
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 336

Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 337
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 337
Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 338
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 338
Ile Pro Ala His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Arg
20

<210> 339
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 339
Phe Thr Val His Gly His Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Gly Trp Val
20

<210> 340
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 340
Pro Asp Phe Pro Gly His Cys Thr Arg Trp Arg Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Glu
20

<210> 341
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 341
Gln Leu Trp Gln Gly Pro Cys Thr Gln Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Lys Gly Arg Tyr
20

<210> 342
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 342
His Ala Asn Asp Gly His Cys Thr Arg Trp Gln Trp Met Cys Pro Pro
1 5 10 15

Gln Trp Gly Gly
20

<210> 343
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 343
Glu Thr Asp His Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Tyr Gly Ala Arg
20

<210> 344
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 344
Gly Thr Trp Gln Gly Leu Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gln
20

<210> 345
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 345
Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Gly Trp Gly
20

<210> 346
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 346
Val Ala Thr Gln Gly Gln Cys Thr Arg Trp Pro Trp Met Cys Pro Pro
1 5 10 15

Gln Arg Trp Gly
20

<210> 347
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 347
Gln Arg Glu Trp Tyr Pro Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu His Lys Ala
20

<210> 348
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 348
Ile Ser Ala Trp Tyr Ser Cys Tyr Ala Gly His Phe Trp Cys Trp Asp
1 5 10 15

Leu Lys Gln Lys
20

<210> 349
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 349
Trp Thr Gly Trp Tyr Gln Cys Tyr Gly Gly His Leu Trp Cys Tyr Asp
1 5 10 15

Leu Arg Arg Lys
20

<210> 350
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 350
Lys Thr Phe Trp Tyr Pro Cys Tyr Asp Gly His Phe Trp Cys Tyr Asn
1 5 10 15

Leu Lys Ser Ser
20

<210> 351
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 351
Glu Ser Arg Trp Tyr Pro Cys Tyr Glu Gly His Leu Trp Cys Phe Asp
1 5 10 15

Leu Thr Glu Thr
20

<210> 352
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<400> 352
Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10

<210> 353
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Thr, Ile or Arg

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Arg, Ser or Gln

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Pro, Arg or Gln

<400> 353
Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10

<210> 354
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Absent or a neutral hydrophobic, neutral polar or acidic
amino acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Absent or a neutral hydrophobic, neutral polar or acidic
amino acid

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Absent or a neutral hydrophobic, neutral polar or basic
amino acid

<220>
<221> MOD_RES
<222> (8)..(9)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Any neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (17)..(20)
<223> Any amino acid

<220>
<223> see specification as filed for detailed description of
substitutions and preferred embodiments

<400> 354
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10 15

Xaa Xaa Xaa Xaa
20

<210> 355
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Absent or a neutral hydrophobic, neutral polar or acidic amino acid

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Absent or any amino acid

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Absent or a neutral hydrophobic, neutral polar or acidic amino acid

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Absent or a neutral hydrophobic, neutral polar or basic amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Thr, Ile or Arg

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Arg, Ser or Gln

<220>
<221> MOD_RES
<222> (11)..(11)
<223> Pro, Arg or Gln

<220>
<221> MOD_RES
<222> (17)..(20)
<223> Any amino acid

<220>
<223> see specification as filed for detailed description of substitutions and preferred embodiments

<400> 355
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Trp Xaa Trp Met Cys Pro Pro
1 5 10 15

Xaa Xaa Xaa Xaa
20

<210> 356
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Pro, Ser or Tyr

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Cys or Gln

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Gly or His

<220>
<223> see specification as filed for detailed description of
substitutions and preferred embodiments

<400> 356
Trp Tyr Xaa Xaa Tyr Xaa Gly
1 5

<210> 357
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 357
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Gly
20

<210> 358
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 358
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 359
<211> 22
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 359
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Lys Pro Ser
20

<210> 360
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 360
Gly Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Pro
20

<210> 361
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 361
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Ile Ser Asn Pro Pro
20

<210> 362
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 362
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Gln Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Glu
20

<210> 363
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 363
Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Asn Ala Arg
20

<210> 364
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 364
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Thr Ser Asn Gly Thr
20

<210> 365
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 365
Arg Met Glu Met Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Gly
20

<210> 366
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 366
Arg Met Glu Met Leu Gly Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 367
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 367
Gln Met Glu Leu Leu Asp Ser Leu Phe Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Lys Ser Gln Pro Ala
20

<210> 368
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 368
Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Asn Ala Arg
20

<210> 369
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 369
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu His Glu Ile Val
1 5 10 15

Pro Met Ser Gln Ala Gly
20

<210> 370
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 370
Gln Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Met Ser Lys Ala Ser
20

<210> 371
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 371
Arg Met Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Thr Thr Gly Ala
20

<210> 372
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 372
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ala Asn Ala Ser
20

<210> 373
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 373
Arg Met Glu Met Leu Glu Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser Arg Ala Arg
20

<210> 374
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 374
Arg Met Glu Met Leu Glu Ser Leu Phe Asp Leu Leu Lys Glu Leu Val
1 5 10 15

Pro Met Ser Lys Gly Val
20

<210> 375
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 375
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Ile Gln Lys Ala Arg
20

<210> 376
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 376
Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Asp Met Val
1 5 10 15

Pro Met Ser Asp Ser Ser
20

<210> 377
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 377
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Val Leu Gln Glu Ile Val
1 5 10 15

Pro Arg Ala Lys Gly Ala
20

<210> 378

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 378
Arg Met Glu Met Leu Asp Ser Leu Leu Gln Leu Leu Asn Glu Ile Val
1 5 10 15

Pro Met Ser His Ala Arg
20

<210> 379
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 379
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Asp Ile Val
1 5 10 15

Pro Met Ser Asn Ala Gly
20

<210> 380
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 380
Arg Met Glu Met Leu Gln Ser Leu Phe Glu Leu Leu Lys Gly Met Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 381
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 381
Arg Met Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Asn Ser Thr Ala Ala

20

<210> 382
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 382
Arg Met Glu Met Leu Gln Ser Leu Leu Glu Leu Leu Lys Glu Ile Val
1 5 10 15

Pro Ile Ser Lys Ala Gly
20

<210> 383
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 383
Arg Ile Glu Met Leu Asp Ser Leu Leu Glu Leu Leu Asn Glu Leu Val
1 5 10 15

Pro Met Ser Lys Ala Arg
20

<210> 384
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 384
Gln Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Gly
20

<210> 385
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 385
Arg Met Glu Leu Leu Glu Ser Leu Phe Glu Leu Leu Lys Glu Met Val

1 5 10 15

Pro Arg Ser Lys Ala Val
20

<210> 386
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 386
Gln Ala Val Ser Leu Gln His Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln His
20

<210> 387
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 387
Asp Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Leu
20

<210> 388
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 388
Pro Val Ala Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Gln Gly Pro His Ala
20

<210> 389
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 389
Glu Val Asp Glu Leu Gln Gln Leu Leu Asn Trp Leu Asp His Lys Leu
1 5 10 15

Ala Ser Gly Pro Leu Gln
20

<210> 390
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 390
Asp Val Glu Ser Leu Glu Gln Leu Leu Met Trp Leu Asp His Gln Leu
1 5 10 15

Ala Ser Gly Pro His Gly
20

<210> 391
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 391
Gln Val Asp Ser Leu Gln Gln Val Leu Leu Trp Leu Glu His Lys Leu
1 5 10 15

Ala Leu Gly Pro Gln Val
20

<210> 392
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 392
Gly Asp Glu Ser Leu Gln His Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Leu Gly Pro His Gly
20

<210> 393
<211> 22
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 393
Gln Ile Glu Met Leu Glu Ser Leu Leu Asp Leu Leu Arg Asp Met Val
1 5 10 15

Pro Met Ser Asn Ala Phe
20

<210> 394
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 394
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 395
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 395
Glu Asp Glu Ser Leu Gln Gln Leu Leu Ile Tyr Leu Asp Lys Met Leu
1 5 10 15

Ser Ser Gly Pro Gln Val
20

<210> 396
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 396
Ala Met Asp Gln Leu His Gln Leu Leu Ile Trp Leu Asp His Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Ala
20

<210> 397
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 397
Arg Ile Glu Met Leu Glu Ser Leu Leu Glu Leu Leu Asp Glu Ile Ala
1 5 10 15

Leu Ile Pro Lys Ala Trp
20

<210> 398
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 398
Glu Val Val Ser Leu Gln His Leu Leu Met Trp Leu Glu His Lys Leu
1 5 10 15

Ala Ser Gly Pro Asp Gly
20

<210> 399
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 399
Gly Gly Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
20

<210> 400
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 400
Gly Val Glu Ser Leu Gln Gln Leu Leu Ile Phe Leu Asp His Met Leu
1 5 10 15

Val Ser Gly Pro His Asp
20

<210> 401
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 401
Asn Val Glu Ser Leu Glu His Leu Met Met Trp Leu Glu Arg Leu Leu
1 5 10 15

Ala Ser Gly Pro Tyr Ala
20

<210> 402
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 402
Gln Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp His Gln Leu
1 5 10 15

Ala Ser Gly Pro Lys Arg
20

<210> 403
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 403
Glu Val Glu Ser Leu Gln Gln Leu Leu Met Trp Leu Glu His Lys Leu
1 5 10 15

Ala Gln Gly Pro Gln Gly
20

<210> 404
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 404
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro His Ala
20

<210> 405
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 405
Glu Val Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ser Gly Pro Gln Lys
20

<210> 406
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 406
Gly Val Glu Gln Leu Pro Gln Leu Leu Met Trp Leu Glu Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Arg
20

<210> 407
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 407
Gly Glu Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Gln Gln Leu
1 5 10 15

Ala Ala Gly Pro Gln Val
20

<210> 408
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 408
Ala Asp Asp Ser Leu Gln Gln Leu Leu Met Trp Leu Asp Arg Lys Leu
1 5 10 15

Ala Ser Gly Pro His Val
20

<210> 409
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 409
Pro Val Asp Ser Leu Gln Gln Leu Leu Ile Trp Leu Asp Gln Lys Leu
1 5 10 15

Ala Ser Gly Pro Gln Gly
20

<210> 410
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 410
Asp Trp Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Asp Asn Leu Val
20

<210> 411
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 411
Gln Ser Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Asp Lys Gln Ala
20

<210> 412

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 412
Asp Gly Arg Ala Thr Leu Leu Thr Glu Phe Trp Gln Leu Val Gln Gly
1 5 10 15

Leu Gly Gln Lys Glu Ala
20

<210> 413
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 413
Leu Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Gly Glu Lys Val Val
20

<210> 414
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 414
Gly Ser Arg Asp Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Val Gly
1 5 10 15

Leu Gly Asp Met Gln Thr
20

<210> 415
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 415
Asp Ala Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Ala
1 5 10 15

Tyr Gly Asp Arg Met Val

20

<210> 416
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 416
Asn Asp Arg Ala Gln Leu Leu Arg Asp Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Leu Gly Val Lys Ser Trp
20

<210> 417
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 417
Gly Val Arg Glu Thr Leu Leu Tyr Glu Leu Trp Tyr Leu Leu Lys Gly
1 5 10 15

Leu Gly Ala Asn Gln Gly
20

<210> 418
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 418
Gln Ala Arg Ala Thr Leu Leu Lys Glu Phe Cys Gln Leu Val Gly Cys
1 5 10 15

Gln Gly Asp Lys Leu Ser
20

<210> 419
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 419
Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Ala Gly

1 5 10 15

Leu Gly Gln Asn Met Arg
20

<210> 420
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 420
Ser Gly Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Gln Gly
1 5 10 15

Leu Gly Glu Tyr Arg Trp
20

<210> 421
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 421
Thr Met Arg Ala Thr Leu Leu Lys Glu Phe Trp Leu Phe Val Asp Gly
1 5 10 15

Gln Arg Glu Met Gln Trp
20

<210> 422
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 422
Gly Glu Arg Ala Thr Leu Leu Asn Asp Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Gln Gly Asp Asn Thr Gly
20

<210> 423
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Myostatin Binding Peptide

<400> 423
Asp Glu Arg Glu Thr Leu Leu Lys Glu Phe Trp Gln Leu Val His Gly
1 5 10 15

Trp Gly Asp Asn Val Ala
20

<210> 424
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 424
Gly Gly Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Leu Glu Gly
1 5 10 15

Gln Gly Ala Asn Leu Val
20

<210> 425
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 425
Thr Ala Arg Ala Thr Leu Leu Asn Glu Leu Val Gln Leu Val Lys Gly
1 5 10 15

Tyr Gly Asp Lys Leu Val
20

<210> 426
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 426
Gly Met Arg Ala Thr Leu Leu Gln Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Gln Gly Asp Asn Trp Met
20

<210> 427
<211> 22
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 427
Ser Thr Arg Ala Thr Leu Leu Asn Asp Leu Trp Gln Leu Met Lys Gly
1 5 10 15

Trp Ala Glu Asp Arg Gly
20

<210> 428
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 428
Ser Glu Arg Ala Thr Leu Leu Lys Glu Leu Trp Gln Leu Val Gly Gly
1 5 10 15

Trp Gly Asp Asn Phe Gly
20

<210> 429
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 429
Val Gly Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Glu Gly
1 5 10 15

Leu Val Gly Gln Ser Arg
20

<210> 430
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 430
Glu Ile Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Glu
1 5 10 15

Trp Arg Glu Gln Pro Asn
20

<210> 431
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 431
Gln Leu Arg Ala Thr Leu Leu Lys Glu Phe Leu Gln Leu Val His Gly
1 5 10 15

Leu Gly Glu Thr Asp Ser
20

<210> 432
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 432
Thr Gln Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Ile Glu Gly
1 5 10 15

Leu Gly Gly Lys His Val
20

<210> 433
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 433
His Tyr Arg Ala Thr Leu Leu Lys Glu Phe Trp Gln Leu Val Asp Gly
1 5 10 15

Leu Arg Glu Gln Gly Val
20

<210> 434
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 434
Gln Ser Arg Val Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Glu Ser
1 5 10 15

Tyr Arg Pro Ile Val Asn
20

<210> 435
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 435
Leu Ser Arg Ala Thr Leu Leu Asn Glu Phe Trp Gln Phe Val Asp Gly
1 5 10 15

Gln Arg Asp Lys Arg Met
20

<210> 436
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 436
Trp Asp Arg Ala Thr Leu Leu Asn Asp Phe Trp His Leu Met Glu Glu
1 5 10 15

Leu Ser Gln Lys Pro Gly
20

<210> 437
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 437
Gln Glu Arg Ala Thr Leu Leu Lys Glu Phe Trp Arg Met Val Glu Gly
1 5 10 15

Leu Gly Lys Asn Arg Gly
20

<210> 438
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 438
Asn Glu Arg Ala Thr Leu Leu Arg Glu Phe Trp Gln Leu Val Gly Gly
1 5 10 15

Tyr Gly Val Asn Gln Arg
20

<210> 439
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 439
His Gln Arg Asp Met Ser Met Leu Trp Glu Leu Leu Asp Val Leu Asp
1 5 10 15

Gly Leu Arg Gln Tyr Ser
20

<210> 440
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 440
Thr Gln Arg Asp Met Ser Met Leu Asp Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Gln Leu Arg Gln Gln Arg
20

<210> 441
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 441
Thr Ser Arg Asp Met Ser Leu Leu Trp Glu Leu Leu Glu Glu Leu Asp
1 5 10 15

Arg Leu Gly His Gln Arg
20

<210> 442
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 442
Met Gln His Asp Met Ser Met Leu Tyr Gly Leu Val Glu Leu Leu Glu
1 5 10 15

Ser Leu Gly His Gln Ile
20

<210> 443
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 443
Trp Asn Arg Asp Met Arg Met Leu Glu Ser Leu Phe Glu Val Leu Asp
1 5 10 15

Gly Leu Arg Gln Gln Val
20

<210> 444
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 444
Gly Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Ala Val Leu Asp
1 5 10 15

Arg Leu Gly Pro Gln Leu
20

<210> 445
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 445
Thr Gln Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Arg Leu Gly Gln Gln Arg
20

<210> 446

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 446
Trp Tyr Arg Asp Met Ser Met Leu Glu Gly Leu Leu Glu Val Leu Asp
1 5 10 15

Arg Leu Gly Gln Gln Arg
20

<210> 447
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 447
Thr Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Phe Met Met Leu Val
1 5 10 15

Gly Ser Met Ile Gln Gly
20

<210> 448
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 448
Met Gln Thr Ser Arg His Ile Leu Leu Ser Glu Phe Met Met Leu Val
1 5 10 15

Gly Ser Ile Met His Gly
20

<210> 449
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 449
His Asp Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Leu His Leu Val
1 5 10 15

Gly Thr Met Ile Gln Gly

20

<210> 450
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 450
Met Glu Asn Ser Arg Gln Asn Leu Leu Arg Glu Leu Ile Met Leu Val
1 5 10 15

Gly Asn Met Ser His Gln
20

<210> 451
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 451
Gln Asp Thr Ser Arg His Met Leu Leu Arg Glu Phe Met Met Leu Val
1 5 10 15

Gly Glu Met Ile Gln Gly
20

<210> 452
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 452
Asp Gln Asn Ser Arg Gln Met Leu Leu Ser Asp Leu Met Ile Leu Val
1 5 10 15

Gly Ser Met Ile Gln Gly
20

<210> 453
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 453
Asn Val Phe Phe Gln Trp Val Gln Lys His Gly Arg Val Val Tyr Gln

1 5 10 15

Trp Leu Asp Ile Asn Val
20

<210> 454
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 454
Phe Asp Phe Leu Gln Trp Leu Gln Asn His Arg Ser Glu Val Glu His
1 5 10 15

Trp Leu Val Met Asp Val
20

<210> 455
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Met or Ile

<220>
<221> MOD_RES
<222> (5)..(5)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Leu or Phe

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Glu, Gln or Asp

<220>
<223> see specification as filed for detailed description of substitutions and preferred embodiments

<400> 455
Xaa Glu Met Leu Xaa Ser Leu Xaa Xaa Leu Leu
1 5 10

<210> 456
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Gln, Asp or Glu

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Ser, Gln, Asp or Glu

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Leu, Trp, Phe or Tyr

<220>
<223> see specification as filed for detailed description of
substitutions and preferred embodiments

<400> 456
Leu Xaa Xaa Leu Leu Xaa Xaa Leu
1 5

<210> 457
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (1)..(1)
<223> Arg or Asp

<220>
<221> MOD_RES
<222> (2)..(2)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (3)..(3)
<223> Ala, Thr, Ser or Gln

<220>
<221> MOD_RES
<222> (4)..(4)
<223> Leu or Met

<220>
<221> MOD_RES
<222> (5)..(5)

<223> Leu or Ser

<220>
<221> MOD_RES
<222> (6)..(6)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (7)..(7)
<223> Phe or Glu

<220>
<221> MOD_RES
<222> (8)..(8)
<223> Trp, Phe or Cys

<220>
<221> MOD_RES
<222> (9)..(9)
<223> Leu, Phe, Met or Lys

<220>
<223> see specification as filed for detailed description of substitutions and preferred embodiments

<400> 457
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 458
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleotide sequence encoding Myostatin Binding Peptide

<400> 458
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctggt 66

<210> 459
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleotide sequence encoding Myostatin Binding Peptide

<400> 459
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctcgt 66

<210> 460
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 460
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaaa 60

ccatct 66

<210> 461
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 461
ggtatggaaa tgcttgaatc tcttttttgaa cttcttcaag aaattgttcc aatgtctaaa 60

gctcca 66

<210> 462
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 462
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatttctaat 60

ccacca 66

<210> 463
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 463
cgtattgaaa tgcttgaatc tcttcttgaa cttcttcaag aaattgttcc aatttctaaa 60

gctgaa 66

<210> 464
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 464
cgtatggaaa tgcttcaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaat 60

gctcgt 66

<210> 465
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 465
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aacttctaat 60

ggtact 66

<210> 466
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 466
cgtatggaaa tgcttgaatc tcttttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctggt 66

<210> 467
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 467
cgtatggaaa tgcttggttc tcttcttgaa cttcttaaag aaattgttcc aatgtctaaa 60

gctcgt 66

<210> 468
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 468
caaatggaac ttcttgattc tcttttgaa cttcttaaag aaattgttcc aaaatctcaa 60

ccagct 66

<210> 469
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 469
cgtatggaaa tgcttgattc tcttcttgaa cttcttaaag aaattgttcc aatgtctaat 60

gctcgt 66

<210> 470
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 470
cgtatggaaa tgcttgaatc tcttcttgaa cttcttcatg aaattgttcc aatgtctcaa 60

gctggt 66

<210> 471
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 471
caaatggaaa tgcttgaatc tcttcttcaa cttcttaaag aaattgttcc aatgtctaaa 60

gcttct 66

<210> 472
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 472
cgtatggaaa tgcttgattc tcttcttgaa cttcttaaag atatggttcc aatgactact 60

ggtgct 66

<210> 473
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 473
cgtattgaaa tgcttgaatc tcttcttgaa cttcttaaag atatggttcc aatggctaat 60

gcttct 66

<210> 474

<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 474
cgtatggaaa tgcttgaatc tcttcttcaa cttcttaatg aaattgttcc aatgtctcgt 60

gctcgt 66

<210> 475
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 475
cgtatggaaa tgcttgaatc tcttttttgat cttcttaaag aacttgttcc aatgtctaaa 60

ggtgtt 66

<210> 476
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 476
cgtattgaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aattcaaaaa 60

gctcgt 66

<210> 477
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 477
cgtatggaac ttcttgaatc tcttttttgaa cttcttaaag atatggttcc aatgtctgat 60

tcttct 66

<210> 478
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 478
cgtatggaaa tgcttgaatc tcttcttgaa gttcttcaag aaattgttcc acgtgctaaa 60

ggtgct 66

<210> 479
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 479
cgtatggaaa tgcttgattc tcttcttcaa cttcttaatg aaattgttcc aatgtctcat 60

gctcgt 66

<210> 480
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 480
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag atattgttcc aatgtctaat 60

gctggt 66

<210> 481
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 481
cgtatggaaa tgcttcaatc tcttttttgaa cttcttaaag gtatggttcc aatttctaaa 60

gctggt 66

<210> 482
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 482
cgtatggaaa tgcttgaatc tcttcttgaa cttcttaaag aaattgttcc aaattctact 60

gctgct 66

<210> 483
<211> 66

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 483
cgtatggaaa tgcttcaatc tcttcttgaa cttcttaaag aaattgttcc aatttctaaa 60

gctggt 66

<210> 484
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 484
cgtattgaaa tgcttgattc tcttcttgaa cttcttaatg aacttgttcc aatgtctaaa 60

gctcgt 66

<210> 485
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 485
gattggcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tggtgataat 60

cttgtt 66

<210> 486
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 486
gatggtcgtg ctactcttct tactgaattt tggcaacttg ttcaaggtct tggtcaaaaa 60

gaagct 66

<210> 487
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 487

cttgctcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tggtgaaaaa 60

gttgtt 66

<210> 488
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 488
ggttctcgtg atactcttct taaagaattt tggcaacttg ttgttggtct tggtgatatg 60

caaact 66

<210> 489
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 489
gatgctcgtg ctactcttct taaagaattt tggcaacttg ttgatgctta tggtgatcgt 60

atggtt 66

<210> 490
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 490
aatgatcgtg ctcaacttct tcgtgatttt tggcaacttg ttgatggtct tggtgttaaa 60

tcttgg 66

<210> 491
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 491
ggtgttcgtg aaactcttct ttatgaactt tggtatcttc ttaaaggtct tggtgctaat 60

caaggt 66

<210> 492
<211> 66
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 492
caagctcgtg ctactcttct taaagaattt tgtcaacttg ttggttgtca aggtgataaa 60

ctttct 66

<210> 493
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 493
caagaacgtg ctactcttct taaagaattt tggcaacttg ttgctggtct tggtcaaaat 60

atgcgt 66

<210> 494
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 494
tctggtcgtg ctactcttct taaagaattt tggcaacttg ttcaaggtct tggtgaatat 60

cgttgg 66

<210> 495
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 495
actatgcgtg ctactcttct taaagaattt tggcttttg ttgatggtca acgtgaaatg 60

caatgg 66

<210> 496
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 496
ggtgaacgtg ctactcttct taatgatttt tggcaacttg ttgatggtca aggtgataat 60

actggt 66

<210> 497
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 497
gatgaacgtg aaactcttct taaagaattt tggcaacttg ttcatggttg gggtgataat 60

gttgct 66

<210> 498
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 498
ggtggtcgtg ctactcttct taaagaactt tggcaacttc ttgaaggtca aggtgctaat 60

cttgtt 66

<210> 499
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 499
actgctcgtg ctactcttct taatgaactt gttcaacttg ttaaaggtta tggtgataaa 60

cttgtt 66

<210> 500
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 500
ggtatgcgtg ctactcttct tcaagaattt tggcaacttg ttggtggtca aggtgataat 60

tggatg 66

<210> 501
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 501
tctactcgtg ctactcttct taatgatctt tggcaactta tgaaaggttg ggctgaagat 60

cgtggt 66

<210> 502
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 502
tctgaacgtg ctactcttct taaagaactt tggcaacttg ttggtggttg gggtgataat 60

tttggt 66

<210> 503
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 503
gttggtcgtg ctactcttct taaagaattt tggcaacttg ttgaaggtct tgttggtcaa 60

tctcgt 66

<210> 504
<211> 288
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 504
Met Gly Ala Gln Trp Tyr Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr
1 5 10 15

Asp Leu Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr Pro Cys Tyr Glu Gly His
35 40 45

Phe Trp Cys Tyr Asp Leu Leu Glu Gly Gly Gly Gly Gly Asp Lys Thr
50 55 60

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser

65 70 75 80

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
85 90 95

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
100 105 110

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
115 120 125

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
130 135 140

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
145 150 155 160

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
165 170 175

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
180 185 190

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
195 200 205

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
210 215 220

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
225 230 235 240

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
245 250 255

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
260 265 270

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
275 280 285

<210> 505
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 505
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 506
<211> 286
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptibody sequence

<400> 506

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1               5                  10                  15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220
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Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Trp Tyr Pro Cys Tyr Glu
225 230 235 240

Gly His Phe Trp Cys Tyr Asp Leu Gly Ser Gly Ser Ala Thr Gly Gly
245 250 255

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Trp Tyr
260 265 270

Pro Cys Tyr Glu Gly His Phe Trp Cys Tyr Asp Leu Leu Glu
275 280 285

<210> 507
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 507
tggtatccgt gttatgaggg tcacttctgg tgctacgatc tgggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggttgg tacccgtgct acgaaggtca cttttggtgt 120

tatgatctg 129

<210> 508
<211> 288
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 508
Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Gln Cys Tyr Gln Phe Leu Glu Gly Gly Gly Gly Gly Asp Lys Thr
50 55 60

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
65 70 75 80

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
85 90 95

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
100 105 110

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
115 120 125

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
130 135 140

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
145 150 155 160

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
165 170 175

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
180 185 190

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
195 200 205

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
210 215 220

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
225 230 235 240

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
245 250 255

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
260 265 270

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
275 280 285

<210> 509
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 509
atctttggct gtaaatggtg ggacgttcag tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca agtggtggga tgtacagtgt 120

tatcagttt 129

<210> 510
<211> 286

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptibody sequence

<400> 510

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1               5                  10                  15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Ile Phe Gly Cys Lys Trp
225                 230                 235                 240
```

Trp Asp Val Gln Cys Tyr Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly
245 250 255

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe
260 265 270

Gly Cys Lys Trp Trp Asp Val Gln Cys Tyr Gln Phe Leu Glu
275 280 285

<210> 511
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 511
atctttggct gtaaatggtg ggacgttcag tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca agtggtggga tgtacagtgt 120

tatcagttt 129

<210> 512
<211> 288
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 512
Met Gly Ala Gln Ile Phe Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr
1 5 10 15

Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser
20 25 30

Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe Gly Cys Lys Trp Trp Asp
35 40 45

Val Asp Cys Tyr Gln Phe Leu Glu Gly Gly Gly Gly Gly Asp Lys Thr
50 55 60

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
65 70 75 80

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
85 90 95

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
100 105 110

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala

115 120 125

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
130 135 140

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
145 150 155 160

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
165 170 175

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
180 185 190

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
195 200 205

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
210 215 220

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
225 230 235 240

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
245 250 255

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
260 265 270

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
275 280 285

<210> 513
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 513
atctttggct gtaagtggtg ggacgttgac tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca aatggtggga cgttgattgt 120

tatcagttt 129

<210> 514
<211> 286
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 514

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1               5                  10                  15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Ile Phe Gly Cys Lys Trp
225                 230                 235                 240

Trp Asp Val Asp Cys Tyr Gln Phe Gly Ser Gly Ser Ala Thr Gly Gly
                245                 250                 255

Ser Gly Ser Thr Ala Ser Ser Gly Ser Gly Ser Ala Thr Gly Ile Phe
            260                 265                 270
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Gly Cys Lys Trp Trp Asp Val Asp Cys Tyr Gln Phe Leu Glu
275 280 285

<210> 515
<211> 129
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 515
atctttggct gtaagtggtg ggacgttgac tgctaccagt tcggttctgg ttccactgct 60

tcttctggtt ccggttccgc tactggtatc ttcggttgca aatggtggga cgttgattgt 120

tatcagttt 129

<210> 516
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 516
caggttgaat ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagggt 66

<210> 517
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 517
cgtatggaac tgctggaatc cctgttcgaa ctgctgaaag aaatggttcc gcgttccaaa 60

gctgtt 66

<210> 518
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 518
caggctgttt ccctgcagca cctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagcac 66

<210> 519
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 519
gacgaagact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cagctg 66

<210> 520
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 520
ccggttgctt ccctgcagca gctgctgatc tggctggacc agaaactggc tcagggtccg 60

cacgct 66

<210> 521
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 521
gaagttgacg aactgcagca gctgctgaac tggctggacc acaaactggc ttccggtccg 60

ctgcag 66

<210> 522
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 522
gacgttgaat ccctggaaca gctgctgatg tggctggacc accagctggc ttccggtccg 60

cacggt 66

<210> 523
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 523
caggttgact ccctgcagca ggttctgctg tggctggaac acaaactggc tctgggtccg 60

caggtt 66

<210> 524
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 524
ggtgacgaat ccctgcagca cctgctgatg tggctggaac agaaactggc tctgggtccg 60

cacggt 66

<210> 525
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 525
cagatcgaaa tgctggaatc cctgctggac ctgctgcgtg acatggttcc gatgtccaac 60

gctttc 66

<210> 526
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 526
gaagttgact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

caggct 66

<210> 527
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 527
gaagacgaat ccctgcagca gctgctgatc tacctggaca aaatgctgtc ctccggtccg 60

caggtt 66

<210> 528

<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 528
gctatggacc agctgcacca gctgctgatc tggctggacc acaaactggc ttccggtccg 60

caggct 66

<210> 529
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 529
cgtatcgaaa tgctggaatc cctgctggaa ctgctggacg aaatcgctct gatcccgaaa 60

gcttgg 66

<210> 530
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 530
gaagttgttt ccctgcagca cctgctgatg tggctggaac acaaactggc ttccggtccg 60

gacggt 66

<210> 531
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 531
ggtggtgaat ccctgcagca gctgctgatg tggctggacc agcagctggc ttccggtccg 60

cagcgt 66

<210> 532
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 532
ggtgttgaat ccctgcagca gctgctgatc ttcctggacc acatgctggt ttccggtccg 60

cacgac 66

<210> 533
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 533
aacgttgaat ccctggaaca cctgatgatg tggctggaac gtctgctggc ttccggtccg 60

tacgct 66

<210> 534
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 534
caggttgact ccctgcagca gctgctgatc tggctggacc accagctggc ttccggtccg 60

aaacgt 66

<210> 535
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 535
gaagttgaat ccctgcagca gctgctgatg tggctggaac acaaactggc tcagggtccg 60

cagggt 66

<210> 536
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 536
gaagttgact ccctgcagca gctgctgatg tggctggacc agaaactggc ttccggtccg 60

cacgct 66

<210> 537
<211> 66

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 537
gaagttgact ccctgcagca gctgctgatg tggctggacc agcagctggc ttccggtccg 60

cagaaa 66

<210> 538
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 538
ggtgttgaac agctgccgca gctgctgatg tggctggaac agaaactggc ttccggtccg 60

cagcgt 66

<210> 539
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 539
ggtgaagact ccctgcagca gctgctgatg tggctggacc agcagctggc tgctggtccg 60

caggtt 66

<210> 540
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 540
gctgacgact ccctgcagca gctgctgatg tggctggacc gtaaactggc ttccggtccg 60

cacgtt 66

<210> 541
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 541

ccggttgact ccctgcagca gctgctgatc tggctggacc agaaactggc ttccggtccg 60

cagggt 66

<210> 542
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 542
cagtcccgtg ctaccctgct gaaagaattc tggcagctgg ttgaaggtct gggtgacaaa 60

caggct 66

<210> 543
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 543
gaaatccgtg ctaccctgct gaaagaattc tggcagctgg ttgacgaatg gcgtgaacag 60

ccgaac 66

<210> 544
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 544
cagctgcgtg ctaccctgct gaaagaattc ctgcagctgg ttcacggtct gggtgaaacc 60

gactcc 66

<210> 545
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 545
acccagcgtg ctaccctgct gaaagaattc tggcagctga tcgaaggtct gggtggtaaa 60

cacgtt 66

<210> 546
<211> 66
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 546
cactaccgtg ctaccctgct gaaagaattc tggcagctgg ttgacggtct gcgtgaacag 60

ggtgtt 66

<210> 547
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 547
cagtcccgtg ttaccctgct gcgtgaattc tggcagctgg ttgaatccta ccgtccgatc 60

gttaac 66

<210> 548
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 548
ctgtcccgtg ctaccctgct gaacgaattc tggcagttcg ttgacggtca gcgtgacaaa 60

cgtatg 66

<210> 549
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 549
tgggaccgtg ctaccctgct gaacgacttc tggcacctga tggaagaact gtcccagaaa 60

ccgggt 66

<210> 550
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 550
caggaacgtg ctaccctgct gaaagaattc tggcgtatgg ttgaaggtct gggtaaaaac 60

cgtggt 66

<210> 551
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 551
aacgaacgtg ctaccctgct gcgtgaattc tggcagctgg ttggtggtta cggtgttaac 60

cagcgt 66

<210> 552
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 552
cagcgtgaat ggtacccgtg ctacggtggt cacctgtggt gctacgacct gcacaaagct 60

<210> 553
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 553
atctccgctt ggtactcctg ctacgctggt cacttctggt gctgggacct gaaacagaaa 60

<210> 554
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 554
tggaccggtt ggtaccagtg ctacggtggt cacctgtggt gctacgacct gcgtcgtaaa 60

<210> 555
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 555

aaaaccttct ggtacccgtg ctacgacggt cacttctggt gctacaacct gaaatcctcc 60

<210> 556
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 556
gaatcccgtt ggtacccgtg ctacgaaggt cacctgtggt gcttcgacct gaccgaaacc 60

<210> 557
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 557
aatgtttttt ttcaatgggt tcaaaaacat ggtcgtgttg tttatcaatg gcttgatatt 60

aatgtt 66

<210> 558
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 558
tttgattttc ttcaatggct tcaaaatcat cgttctgaag ttgaacattg gcttgttatg 60

gatgtt 66

<210> 559
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 559
catcaacgtg atatgtctat gctttgggaa cttcttgatg ttcttgatgg tcttcgtcaa 60

tattct 66

<210> 560
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Nucleotide sequence encoding Myostatin Binding Peptide

<400> 560
actcaacgtg atatgtctat gcttgatggt cttcttgaag ttcttgatca acttcgtcaa 60

caacgt 66

<210> 561
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 561
acctcccgtg acatgtccct gctgtgggaa ctgctggaag aactggaccg tctgggtcac 60

cagcgt 66

<210> 562
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 562
atgcaacatg atatgtctat gctttatggt cttgttgaac ttcttgaatc tcttggtcat 60

caaatt 66

<210> 563
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 563
tggaatcgtg atatgcgtat gcttgaatct ctttttgaag ttcttgatgg tcttcgtcaa 60

caagtt 66

<210> 564
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 564
ggttatcgtg atatgtctat gcttgaaggt cttcttgctg ttcttgatcg tcttggtcca 60

caactt 66

<210> 565
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 565
actcaacgtg atatgtctat gcttgaaggt cttcttgaag ttcttgatcg tcttggtcaa 60

caacgt 66

<210> 566
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 566
tggtaccgtg acatgtccat gctggaaggt ctgctggaag ttctggaccg tctgggtcag 60

cagcgt 66

<210> 567
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 567
actcaaaatt ctcgtcaaat gcttctttct gattttatga tgcttgttgg ttctatgatt 60

caaggt 66

<210> 568
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 568
atgcaaactt ctcgtcatat tcttctttct gaatttatga tgcttgttgg ttctattatg 60

catggt 66

<210> 569
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 569
cacgacaact cccgtcagat gctgctgtcc gacctgctgc acctggttgg taccatgatc 60

cagggt 66

<210> 570
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 570
atggaaaact cccgtcagaa cctgctgcgt gaactgatca tgctggttgg taacatgtcc 60

caccag 66

<210> 571
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 571
caggacacct cccgtcacat gctgctgcgt gaattcatga tgctggttgg tgaaatgatc 60

cagggt 66

<210> 572
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 572
gaccagaact cccgtcagat gctgctgtcc gacctgatga tcctggttgg ttccatgatc 60

cagggt 66

<210> 573
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 573
gttgctcttc atggtcaatg tactcgttgg ccatggatgt gtccaccaca acgtgaaggt 60

<210> 574
<211> 60
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 574
tatccagaac aaggtctttg tactcgttgg ccatggatgt gtccaccaca aactcttgct 60

<210> 575
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 575
ggtctgaacc agggtcactg cacccgttgg ccgtggatgt gcccgccgca ggactccaac 60

<210> 576
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 576
atgattactc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca accatctggt 60

<210> 577
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 577
gctggtgctc aggaacactg cacccgttgg ccgtggatgt gcgctccgaa cgactggatc 60

<210> 578
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 578
ggtgttaacc agggtcagtg cacccgttgg cgttggatgt gcccgccgaa cggttgggaa 60

<210> 579
<211> 60
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 579
ctggctgacc acggtcagtg catccgttgg ccgtggatgt gcccgccgga aggttgggaa 60

<210> 580
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 580
atcctggaac aggctcagtg cacccgttgg ccgtggatgt gcccgccgca gcgtggtggt 60

<210> 581
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 581
actcaaactc atgctcaatg tactcgttgg ccatggatgt gtccaccaca atgggaaggt 60

<210> 582
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 582
gttgttactc aaggtcattg tactctttgg ccatggatgt gtccaccaca acgttggcgt 60

<210> 583
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 583
atttatccac atgatcaatg tactcgttgg ccatggatgt gtccaccaca accatatcca 60

<210> 584
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 584
tcttattggc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca atggcgtggt 60

<210> 585
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 585
atgtggcaac aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

<210> 586
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 586
gaattcaccc agtggcactg cacccgttgg ccgtggatgt gcccgccgca gcgttcccag 60

<210> 587
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 587
ctggacgacc agtggcagtg cacccgttgg ccgtggatgt gcccgccgca gggtttctcc 60

<210> 588
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 588
tatcaaactc aaggtctttg tactcgttgg ccatggatgt gtccaccaca atctcaacgt 60

<210> 589
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 589
gaatctaatc aaggtcaatg tactcgttgg ccatggatgt gtccaccaca aggtggttgg 60

<210> 590
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 590
tggaccgacc gtggtccgtg cacccgttgg ccgtggatgt gcccgccgca ggctaacggt 60

<210> 591
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 591
gttggtaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgta cgaaaccggt 60

<210> 592
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 592
ccgtacgaac agggtaaatg cacccgttgg ccgtggatgt gcccgccgta cgaagttgaa 60

<210> 593
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 593
tccgaatacc agggtctgtg cacccgttgg ccgtggatgt gcccgccgca gggttggaaa 60

<210> 594
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 594
accttctccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 595
<211> 60

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 595
ccgggtgctc acgaccactg cacccgttgg ccgtggatgt gcccgccgca gtcccgttac 60

<210> 596
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 596
gttgctgaag aatggcactg ccgtcgttgg ccgtggatgt gcccgccgca ggactggcgt 60

<210> 597
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 597
gttggtaccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gccggctggt 60

<210> 598
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 598
gaagaagacc aggctcactg ccgttcctgg ccgtggatgt gcccgccgca gggttgggtt 60

<210> 599
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 599
gctgacaccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gcactggttc 60

<210> 600
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 600
tccggtccgc agggtcactg cacccgttgg ccgtggatgt gcgctccgca gggttggttc 60

<210> 601
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 601
acgctggttc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gcgttgggtt 60

<210> 602
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 602
ggtatggctc acggtaaatg cacccgttgg gcttggatgt gcccgccgca gtcctggaaa 60

<210> 603
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 603
gaactgtacc acggtcagtg cacccgttgg ccgtggatgt gcccgccgca gtcctgggct 60

<210> 604
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
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Nucleotide sequence encoding Myostatin Binding Peptide

<400> 604
gttgctgacc acggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 605
<211> 60
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 605
ccggaatccc agggtcactg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 606
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 606
atcccggctc acggtcactg cacccgttgg ccgtggatgt gcccgccgca gcgttggcgt 60

<210> 607
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 607
ttcaccgttc acggtcactg cacccgttgg ccgtggatgt gcccgccgta cggttgggtt 60

<210> 608
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 608
ccagattttc caggtcattg tactcgttgg cgttggatgt gtccaccaca aggttgggaa 60

<210> 609
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 609
cagctgtggc agggtccgtg cacccagtgg ccgtggatgt gcccgccgaa aggtcgttac 60

<210> 610
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 610
cacgctaacg acggtcactg cacccgttgg cagtggatgt gcccgccgca gtggggtggt 60

<210> 611
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 611
gaaaccgacc acggtctgtg cacccgttgg ccgtggatgt gcccgccgta cggtgctcgt 60

<210> 612
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 612
ggtacctggc agggtctgtg cacccgttgg ccgtggatgt gcccgccgca gggttggcag 60

<210> 613
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 613
gttgctaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgca gggttggggt 60

<210> 614
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 614
gttgctaccc agggtcagtg cacccgttgg ccgtggatgt gcccgccgca gcgttggggt 60

<210> 615
<211> 300
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 615
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

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Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly Gln
225                 230                 235                 240

Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu Leu Glu
                245                 250                 255

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
            260                 265                 270

Ser Gly Ser Ala Thr Gly Leu Ala Asp His Gly Gln Cys Ile Arg Trp
        275                 280                 285
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Pro Trp Met Cys Pro Pro Glu Gly Trp Glu Leu Glu
290 295 300

<210> 616
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 616
cttgctgatc atggtcaatg tattcgttgg ccatggatgt gtccaccaga aggttgggaa 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtctggctga ccacggtcag tgcatccgtt ggccgtggat gtgcccgccg 180

gaaggttggg aactggaa 198

<210> 617
<211> 296
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 617
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly Gln
225 230 235 240

Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu Gly Ser
245 250 255

Gly Ser Ala Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly
260 265 270

Ser Ala Thr Gly Leu Ala Asp His Gly Gln Cys Ile Arg Trp Pro Trp
275 280 285

Met Cys Pro Pro Glu Gly Trp Glu
290 295

<210> 618
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 618
cttgctgatc atggtcaatg tattcgttgg ccatggatgt gtccaccaga aggttgggaa 60

ggttccggtt ccgctaccgg cggctctggc ggtggcgctt cttccggttc cggttctgct 120

actggtctgg ctgaccacgg tcagtgcatc cgttggccgt ggatgtgtcc accagaaggt 180

tgggaa 186

<210> 619
<211> 300
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 619

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Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1               5                  10                  15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
            20                  25                  30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
        35                  40                  45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
    50                  55                  60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65                  70                  75                  80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
                85                  90                  95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Ser Glu Tyr Gln Gly Leu
225                 230                 235                 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Lys Leu Glu
                245                 250                 255

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
            260                 265                 270
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Ser Gly Ser Ala Thr Gly Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp
275 280 285

Pro Trp Met Cys Pro Pro Gln Gly Trp Lys Leu Glu
290 295 300

<210> 620
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 620
tctgaatatc aaggtctttg tactcgttgg ccatggatgt gtccaccaca aggttggaaa 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gttctgagta tcaaggcctc tgtactcgct ggccatggat gtgtccacca 180

caaggctgga agctggaa 198

<210> 621
<211> 296
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 621
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val

115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Ser Glu Tyr Gln Gly Leu
225 230 235 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Lys Gly Ser
245 250 255

Gly Ser Ala Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly
260 265 270

Ser Ala Thr Gly Ser Glu Tyr Gln Gly Leu Cys Thr Arg Trp Pro Trp
275 280 285

Met Cys Pro Pro Gln Gly Trp Lys
290 295

<210> 622
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 622
tctgaatatc aaggtctttg tactcgttgg ccatggatgt gtccaccaca aggttggaaa 60

ggttccggtt ccgctaccgg cggctctggc ggtggcgctt cttccggttc cggttctgct 120

actggttctg agtatcaagg cctctgtact cgctggccat ggatgtgtcc accacaaggt 180

tggaaa 186

<210> 623
<211> 300

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 623
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Thr Phe Ser Gln Gly His
225 230 235 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
245 250 255

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
260 265 270

Ser Gly Ser Ala Thr Gly Thr Phe Ser Gln Gly His Cys Thr Arg Trp
275 280 285

Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
290 295 300

<210> 624
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 624
acttttctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtacttttc tcaaggccat tgtactcgct ggccatggat gtgtccacca 180

caaggctggg gcctggaa 198

<210> 625
<211> 300
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 625
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

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Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
            100                 105                 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
        115                 120                 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
    130                 135                 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145                 150                 155                 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
                165                 170                 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
            180                 185                 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
        195                 200                 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
    210                 215                 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Val Ala Asp His Gly His
225                 230                 235                 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
                245                 250                 255

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
            260                 265                 270

Ser Gly Ser Ala Thr Gly Val Ala Asp His Gly His Cys Thr Arg Trp
        275                 280                 285

Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
    290                 295                 300
```

<210> 626
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 626
gttgctgatc atggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc aaccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtgttgctga ccacggtcac tgcacccgtt ggccgtggat gtgcccgccg 180

cagggttggg gtctggaa 198

<210> 627
<211> 296
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<400> 627
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Val Ala Asp His Gly His
225 230 235 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Gly Ser
245 250 255

Gly Ser Ala Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly
260 265 270

Ser Ala Thr Gly Val Ala Asp His Gly His Cys Thr Arg Trp Pro Trp
275 280 285

Val Cys Pro Pro Gln Gly Trp Gly
290 295

<210> 628
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 628
gttgctgatc atggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ggttccggtt ccgctaccgg cggctctggc ggtggtgctt cttccggttc cggttctgct 120

actggtgttg ctgaccacgg tcactgcacc cgttggccgt gggtgtgtcc accacaaggt 180

tggggt 186

<210> 629
<211> 300
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 629
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr

65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Pro Glu Ser Gln Gly His
225 230 235 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
245 250 255

Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
260 265 270

Ser Gly Ser Ala Thr Gly Pro Glu Ser Gln Gly His Cys Thr Arg Trp
275 280 285

Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Leu Glu
290 295 300

<210> 630
<211> 198
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 630
ccagaatctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ctcgagggtt ccggttccgc taccggcggc tctggctcca ctgcttcttc cggttccggt 120

tctgctactg gtccggaatc ccagggtcac tgcacccgtt ggccgtggat gtgcccgccg 180

cagggttggg gtctggaa 198

<210> 631
<211> 296
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 631
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Pro Glu Ser Gln Gly His
225 230 235 240

Cys Thr Arg Trp Pro Trp Met Cys Pro Pro Gln Gly Trp Gly Gly Ser
245 250 255

Gly Ser Ala Thr Gly Gly Ser Gly Gly Gly Ala Ser Ser Gly Ser Gly
260 265 270

Ser Ala Thr Gly Pro Glu Ser Gln Gly His Cys Thr Arg Trp Pro Trp
275 280 285

Met Cys Pro Pro Gln Gly Trp Gly
290 295

<210> 632
<211> 186
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 632
ccagaatctc aaggtcattg tactcgttgg ccatggatgt gtccaccaca aggttggggt 60

ggttccggtt ccgctaccgg cggctctggc ggtggtgctt cttccggttc cggttctgct 120

actggtccgg aatcccaggg tcactgcacc cgttggccgt ggatgtgtcc accacaaggt 180

tggggt 186

<210> 633
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 633
Trp Met Cys Pro Pro
1 5

<210> 634
<211> 91
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Randomly generated nucleotide sequence

<220>
<221> modified_base
<222> (16)..(17)
<223> a, c, g or t

<220>
<221> modified_base
<222> (19)..(20)
<223> a, c, g or t

<220>
<221> modified_base
<222> (22)..(23)
<223> a, c, g or t

<220>
<221> modified_base
<222> (67)..(68)
<223> a, c, g or t

<220>
<221> modified_base
<222> (70)..(71)
<223> a, c, g or t

<220>
<221> modified_base
<222> (73)..(74)
<223> a, c, g or t

<400> 634
cacagtgcac agggtnnknn knnkcakggk caktgkackc gktgkccktg katktgkcck 60

ccktaknnkn nknnkcattc tctcgagatc a 91

<210> 635
<211> 255
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptibody sequence

<400> 635
Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
1 5 10 15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
20 25 30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
35 40 45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
50 55 60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
65 70 75 80

```
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
                85                  90                  95

Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
            100                 105                 110

Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
        115                 120                 125

Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
    130                 135                 140

Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
145                 150                 155                 160

Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
                165                 170                 175

Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
            180                 185                 190

Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
        195                 200                 205

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
    210                 215                 220

Ser Pro Gly Lys Gly Gly Gly Gly Gly Ala Gln Leu Ala Asp His Gly
225                 230                 235                 240

Gln Cys Ile Arg Trp Pro Trp Met Cys Pro Pro Glu Gly Trp Glu
                245                 250                 255


<210> 636
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide

<400> 636
Gly Gly Gly Gly Gly Ala Gln
1               5


<210> 637
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
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<400> 637
Gly Gly Gly Gly Gly
1 5

<210> 638
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 638
Gly Gly Gly Gly Gly Gly Gly Gly
1 5

<210> 639
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 639
Gly Ser Gly Ser Ala Thr Gly Gly Ser Gly Ser Thr Ala Ser Ser Gly
1 5 10 15

Ser Gly Ser Ala Thr Gly
20

<210> 640
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic 6xHis tag

<400> 640
His His His His His His
1 5

<210> 641
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Myostatin Binding Peptide

<220>
<221> MOD_RES
<222> (2)..(3)
<223> Any amino acid

<220>
<221> MOD_RES

<222> (5)..(7)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (12)..(12)
<223> Any amino acid

<220>
<221> MOD_RES
<222> (14)..(14)
<223> Any amino acid

<400> 641
Trp Xaa Xaa Cys Xaa Xaa Xaa Gly Phe Trp Cys Xaa Asn Xaa
1 5 10

<210> 642
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 642
Lys Asp Leu Cys Lys Met Trp Lys Trp Met Cys Lys Pro Pro
1 5 10

<210> 643
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Myostatin Binding Peptide

<400> 643
Gly Phe Ser Cys Thr Phe Gly Leu Asp Glu Phe Tyr Val Asp Cys Ser
1 5 10 15

Pro Phe

<210> 644
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Nucleotide sequence encoding Myostatin Binding Peptide

<400> 644
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<210> 645
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 645
Gly Gly Gly Gly Gly Gly
1 5