

CLAIMS

1. An amino acid sequence that is 18-21 amino acids long and comprises, at its N-terminus, SEQ ID NO: 1 (KWCFRVCYRGICYRRCRD) or a peptide that differs from SEQ ID NO: 1 by one, two, three, or four amino acids, wherein the amino acids differing from the amino acids of SEQ ID NO: 1 are independently selected from the group consisting of
arginine or glycine at position corresponding to position 1 of SEQ ID NO: 1;
phenylalanine or arginine at position corresponding to position 2 of SEQ ID NO: 1;
valine or tryptophan at position corresponding to position 4 of SEQ ID NO: 1;
tyrosine at position corresponding to position 5 of SEQ ID NO: 1;
arginine at position corresponding to position 8 of SEQ ID NO: 1;
glycine at position corresponding to position 9 of SEQ ID NO: 1;
arginine at position corresponding to position 10 of SEQ ID NO: 1;
alanine, phenylalanine, or valine at position corresponding to position 11 of SEQ ID NO: 1;
histidine at position corresponding to position 14 of SEQ ID NO: 1;
lysine at position corresponding to position 15 of SEQ ID NO: 1;
asparagine at position corresponding to position 17 of SEQ ID NO: 1
2. The amino acid sequence according to claim 1, comprising aspartic acid at position corresponding to position 18 of SEQ ID NO: 1.
3. The amino acid sequence according to claim 1 or claim 2, comprising asparagine at position corresponding to position 17 of SEQ ID NO: 1.
4. The amino acid sequence according to any one of claims 1-3, comprising glycine at position corresponding to position 1 of SEQ ID NO: 1.
5. The amino acid sequence according to any one of claims 1-4, comprising alanine at position corresponding to position 11 of SEQ ID NO: 1.
6. The amino acid sequence according to any one of claims 1-5, wherein arginine is present at position corresponding to position 14 of SEQ ID NO: 1, at position corresponding to position 15 of SEQ ID NO: 1, or both.
7. The amino acid sequence according to any one of claims 1-6, comprising arginine at position corresponding to position 14 of SEQ ID NO: 1 and position corresponding to position 15 of SEQ ID NO: 1.
8. The amino acid sequence according to any one of claims 1-7, wherein said amino acid sequence is 18 amino acids long.
9. The amino acid sequence of any one of claims 1-8, wherein the peptide differs from SEQ ID NO: 1 by three, two, or one amino acid.
10. The amino acid sequence of any one of claims 1-8, wherein the peptide differs from SEQ ID NO: 1 by one amino acid.

11. The amino acid sequence of any one of claims 1-8, wherein the peptide comprises SEQ ID NO: 1.
12. Use of a formulation comprising the amino acid sequence according to any one of claims 1-11, in the manufacture of a medicament for the treatment of a skin infection in an animal in need thereof, wherein said medicament is to be administered to the animal.
13. The use of claim 12, wherein said formulation is to be administered topically.
14. The use of claim 12 or claim 13, wherein the animal is a dog.
15. Use of a formulation comprising the amino acid sequence according to any one of claims 1-11, in the manufacture of a medicament for the treatment of mastitis in an animal in need thereof, wherein said medicament is to be administered to the animal.
16. The use of claim 15 wherein said formulation is to be administered to the mammary gland of the animal.
17. The use of claim 15 or claim 16, wherein said animal is a female bovine, ovine, porcine, or caprine.
18. Use of a formulation comprising the amino acid sequence according to any one of claims 1-11, in the manufacture of a medicament for the treatment of respiratory infection in an animal in need thereof, wherein said medicament is to be administered to the animal.
19. The use of claim 18 wherein said animal is a bovine, an ovine, a porcine, a caprine, an equine, a feline or a canine animal.
20. The use according to claim 19 wherein the canine animal is a dog.
21. The use according to claim 19 or claim 20, wherein the medical condition is a respiratory infection or mastitis.
22. The use according to any one of claims 19-21, formulated for a topical administration.
23. The use according to claim 21, formulated into a cream, an ointment, a spray, or an emulsion.
24. A formulation comprising the amino acid sequence according to any one of any one of claims 1-11 for use as a medicament.