Claims

1. A nucleic acid molecule represented by a nucleotide sequence selected from the group consisting of:

i. nucleotide sequences encoding a polypeptide comprising an amino acid sequence that has at least 50% sequence identity with the amino acid sequence of SEQ ID NO:1 over its entire length,

ii. nucleotide sequences comprising a nucleotide sequence that has at least 50% sequence identity with the nucleotide sequence of SEQ ID NO:2 over its entire length,

iii. nucleotide sequences the complementary strand of which hybridizes to a nucleic acid molecule of sequence of (i) or (ii) and

iv. nucleotide sequences which differ from the sequence of a nucleic acid molecule of (iii) due to the degeneracy of the genetic code,

for use as an adjuvant in the treatment or prevention of a disease or a condition, wherein ~~when~~ said nucleic acid molecule is operably linked to a nucleotide sequence encoding an antigen, wherein said antigen is associated or linked with said disease or condition, wherein the nucleic acid molecule encodes a polypeptide which is able to elicit an antigen-specific immune response in a subject.

~~2. A nucleic acid molecule according to claim 1, wherein the nucleic acid sequence is operably linked to a nucleotide sequence encoding the antigen.~~

~~3~~2. A nucleic acid molecule according to claim 1 ~~and/or 2~~, wherein said nucleic acid molecule is free of a sequence encoding for a polypeptide is identical to SEQ ID NO: 3 over its entire length.

~~4. A nucleic acid molecule according to claim 2 or 3, wherein the nucleic acid molecule identified in any of the claims 1 encodes a polypeptide which is able to elicit an antigen-specific immune response in a subject.~~

~~5~~3. A nucleic acid molecule according to any of the claims ~~2~~ 1 - 42, wherein said antigen originates from any organism known to be associated with a disease or a condition in a subject.

~~6~~4. A nucleic acid molecule according to any of the claims ~~2 – 5~~1-3, wherein said antigen is a self or auto antigen or originates from virus or a microorganism such as a bacterium, a yeast, a fungus or a parasite.

~~7~~5. A polypeptide encoded by a nucleic acid molecule as identified in claim 1.

~~8~~6. A polypeptide encoded by a nucleic acid molecule as identified in any of the claims 2 to ~~6~~4.

~~9~~7. A nucleic acid construct comprising a nucleic acid molecule as identified in claim 1.

~~10~~8. A nucleic acid construct comprising a nucleic acid molecule as identified in any of the claims 2 to ~~6~~4.

~~11~~9. A composition comprising a nucleic acid molecule as identified claim 1 and/or a polypeptide as identified in claim ~~7~~5 and/or a nucleic construct as identified in claim ~~9~~7.

~~12~~10. A composition comprising a nucleic acid molecule as identified in any of the claims 2 to ~~6~~4 and/or a polypeptide as identified in claim ~~8~~6 and/or a nucleic construct as identified in claim ~~10~~8.

~~13~~11. A nucleic acid molecule according to any of the claims 2 to ~~4~~6, a polypeptide according to claim ~~8~~6, a nucleic acid construct according to claim ~~10~~8 and/or a composition according to claim ~~12~~10 for use as a medicament, preferably wherein the medicament is a vaccine.

~~14~~12. Use of a nucleic acid molecule as identified in claim 1, a polypeptide as identified in claim ~~7~~5, a nucleic acid construct as identified in claim ~~9~~7 and/or a composition according to claim ~~11~~9 for the manufacture of a medicament for treating a disease or a condition associated with an antigen as identified in ~~any one of~~ claims ~~1~~2 ~~to 6~~.

~~15~~13. Use of a nucleic acid molecule as identified in claims 2 to ~~4~~6, a polypeptide as identified in claim ~~8~~6, a nucleic acid construct as identified in claim ~~10~~8 and/or a

composition according to claim ~~12~~ 10 for the manufacture of a medicament being a vaccine for treating a disease or a condition associated with the antigen as identified in claim 1.

~~16. Method of treatment of a disease or a condition associated with an antigen as identified in any one of claims 2 to 6, wherein said treatment comprises a nucleic acid molecule as identified in claim 1, a polypeptide as identified in claim 7, a nucleic acid construct as identified in claim 9 and/or a composition according to claim 11.~~

~~17. Method of treatment of a disease or a condition associated with an antigen as identified in any one of claims 2 to 6, wherein said treatment comprises a vaccine comprising a nucleic acid molecule as identified in any of the claims 2 to 6, a polypeptide as identified in claim 8, a nucleic acid construct as identified in claim 10 and/or a composition as identified in claim 12.~~