

CLAIMS

1. An AAV capsid protein having an amino acid sequence which has at least 99% identity to the sequence of SEQ ID NO: 3.
- 5 2. The AAV capsid protein of claim 1, wherein the amino acid sequence has at least 99.5% identity to the sequence of SEQ ID NO: 3.
3. The AAV capsid protein of claim 1 or claim 2, wherein the amino acid sequence has the sequence of SEQ ID NO. 3.
- 10 4. An AAV capsid comprising the capsid protein of any one of claims 1 to 3.
5. A viral particle comprising the capsid protein of any one of claims 1 to 3.
- 15 6. A nucleotide sequence which encodes for the capsid protein of any one of claims 1 to 3.
7. A method of transferring a nucleic acid of interest into a mammal comprising introducing a recombinant AAV vector into a mammal, the recombinant AAV vector
20 comprising a gene of interest which is encapsidated into a capsid comprising the capsid protein of any one of claims 1 to 3.
8. A host cell comprising the capsid protein of any one of claims 1 to 4 or the nucleotide sequence of claim 6.
- 25 9. A transgenic animal comprising cells comprising the capsid protein of any one of claims 1 to 3 or the nucleotide sequence of claim 6.
10. A pharmaceutical composition comprising the capsid protein of any one of claims
30 1 to 3 or the nucleotide sequence of claim 6, and one or more pharmaceutically acceptable excipients.
11. The capsid protein of any one of claims 1 to 3 or the nucleotide sequence of claim 6 for use in therapy.