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(54) Title: METHODS AND MATERIALS FOR NT-3 GENE THERAPY

(57) Abstract: The present disclosure relates to recombinant adeno-associated virus (rAAV) delivery of a neurotrophin 3 (NT-3) polynucleotide. The disclosure provides rAAV and methods of using the rAAV for NT-3 gene therapy to improve muscle strength, stimulate muscle growth and to treat muscle wasting disorders, such as muscular dystrophy and Charcot-Marie- Tooth neuropathy.