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(54) **Title:** METHOD OF SCREENING AAV VIRAL PARTICLE LIBRARIES IN ORGANOID

(57) **Abstract:** The present invention relates to a method of screening AAV viral particle libraries in organoids, specifically screening for capsids that are capable of specifically infecting a population of cells, such as neurons, in preference to other cell types or populations. The invention also relates to a method of directed evolution by repeating the screening method, to the AAV viral particles obtained or evolved using the method and to a method using the AAV viral particles to infect a specific population of cells.

Fig. 1A

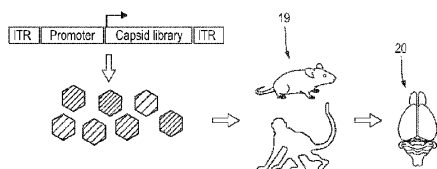
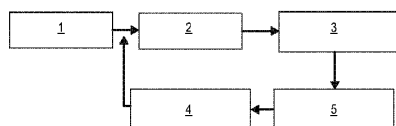


Fig. 1B



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