

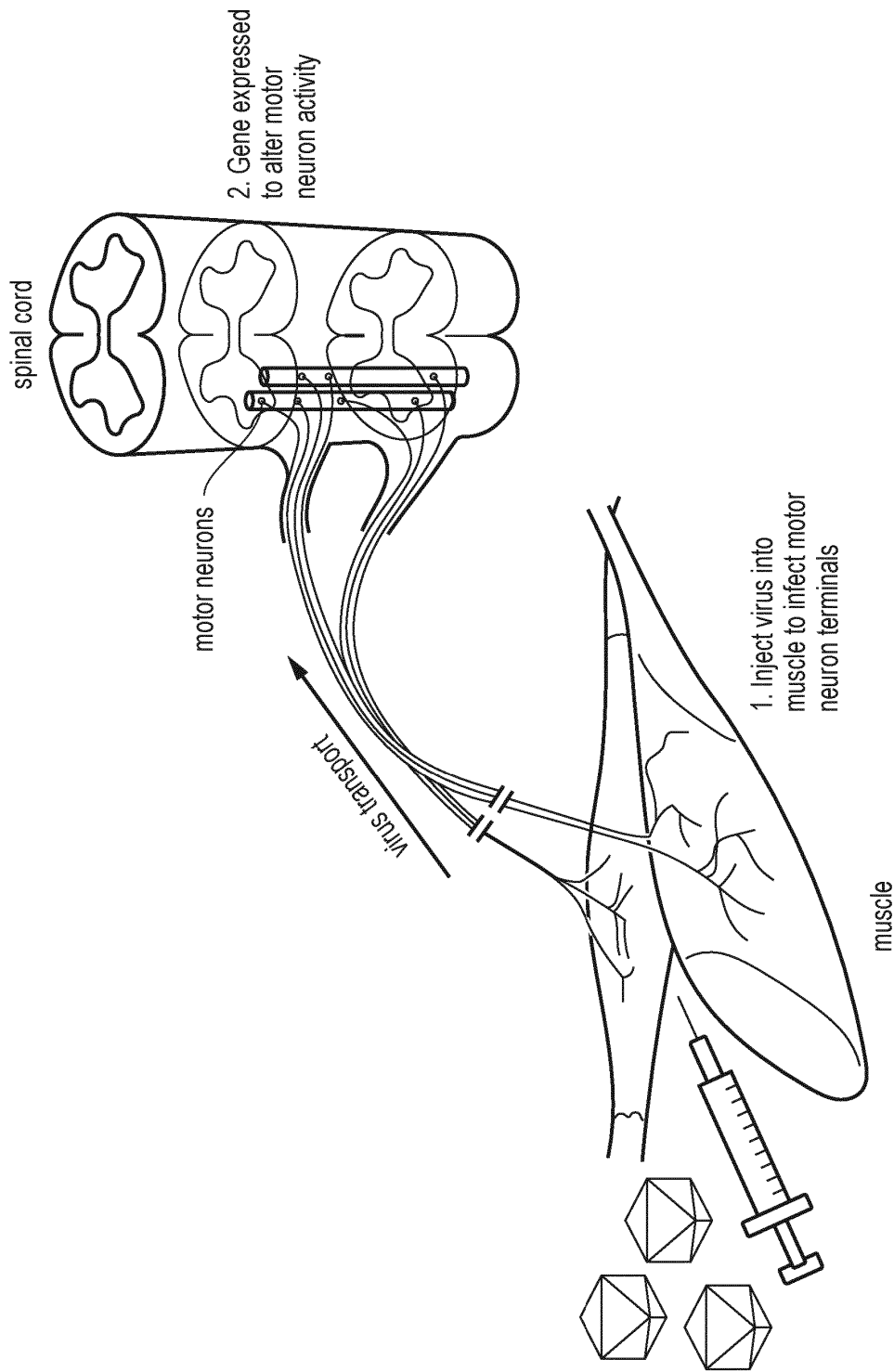


FIG. 1

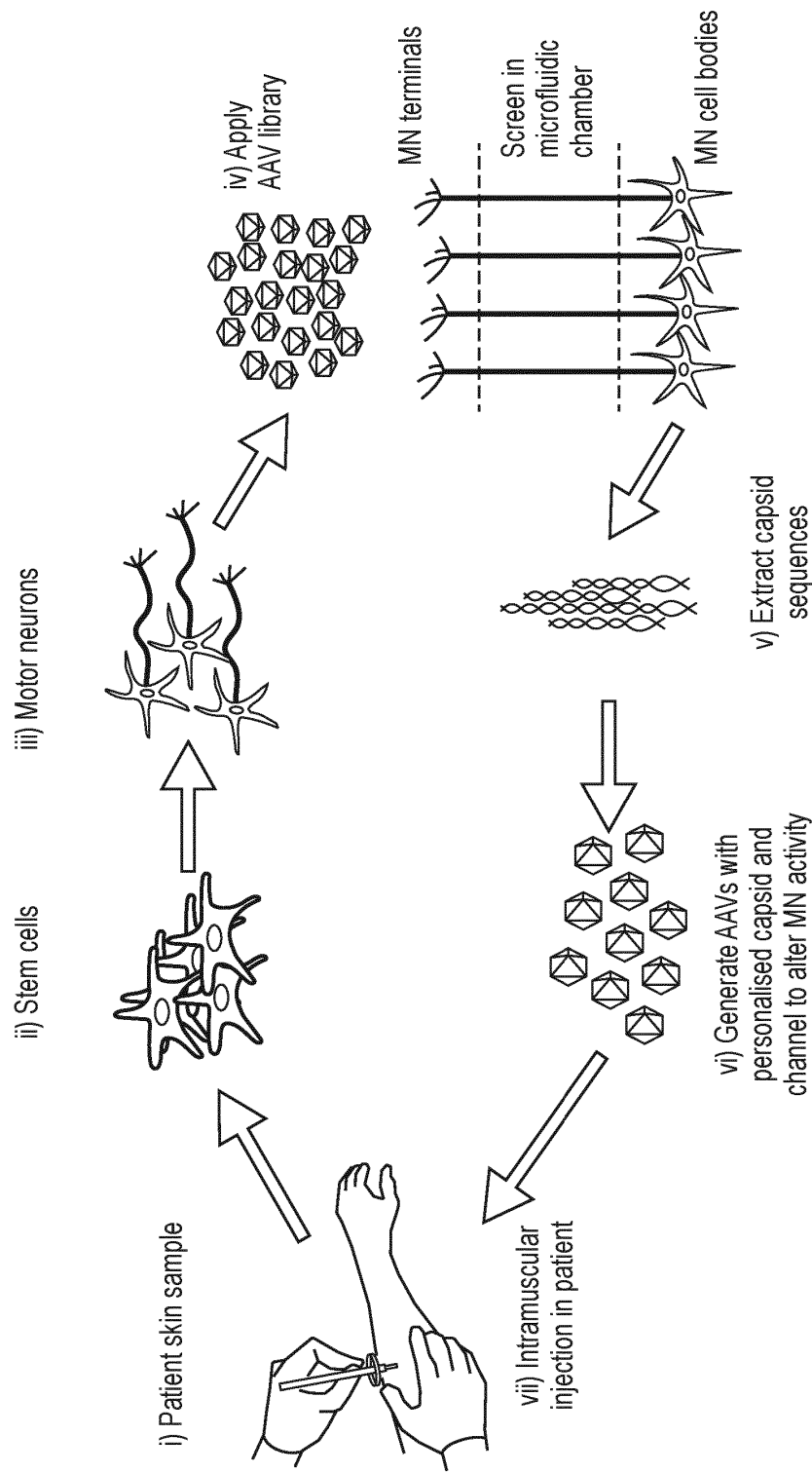


FIG. 2

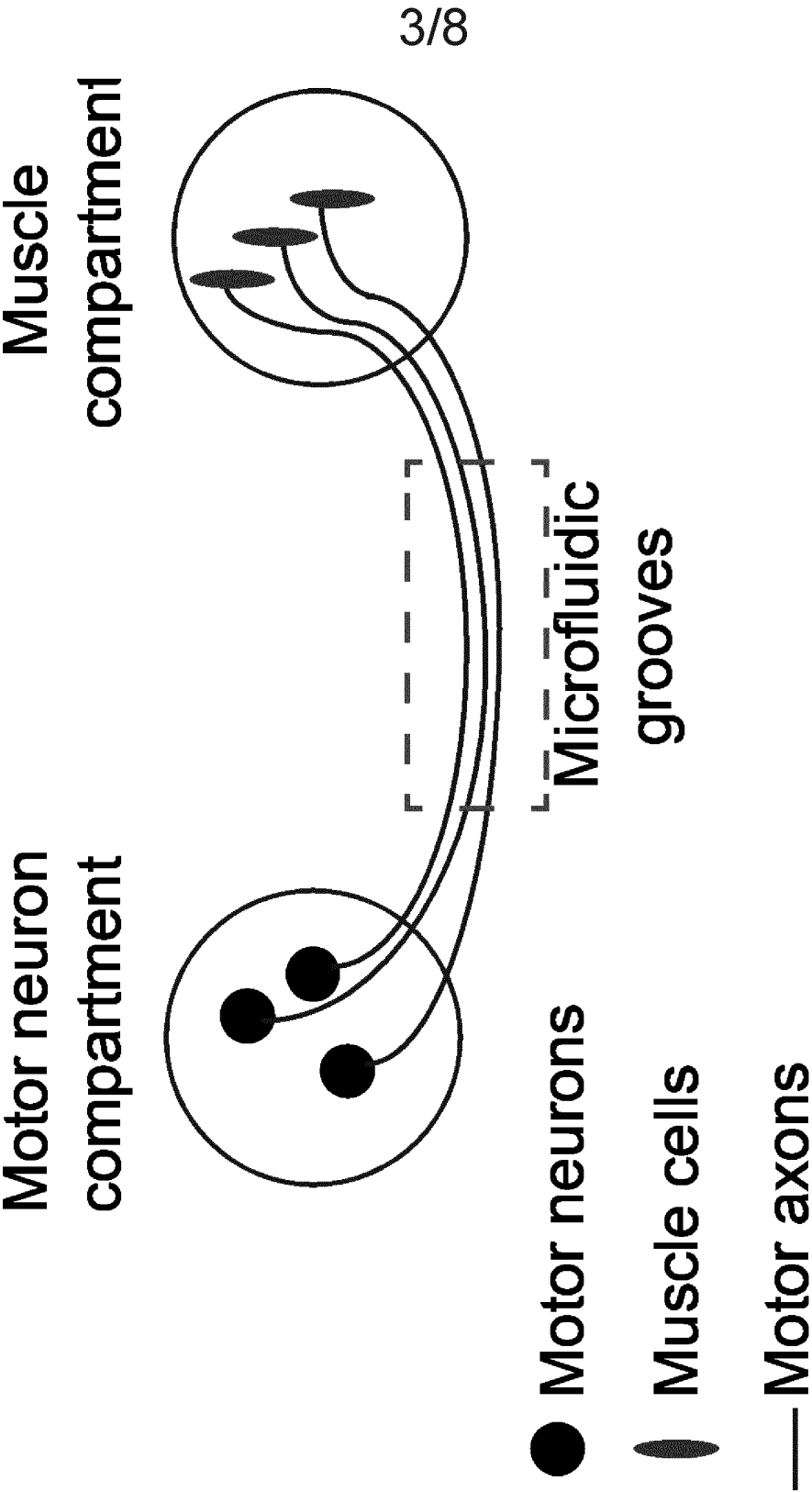


FIG. 3

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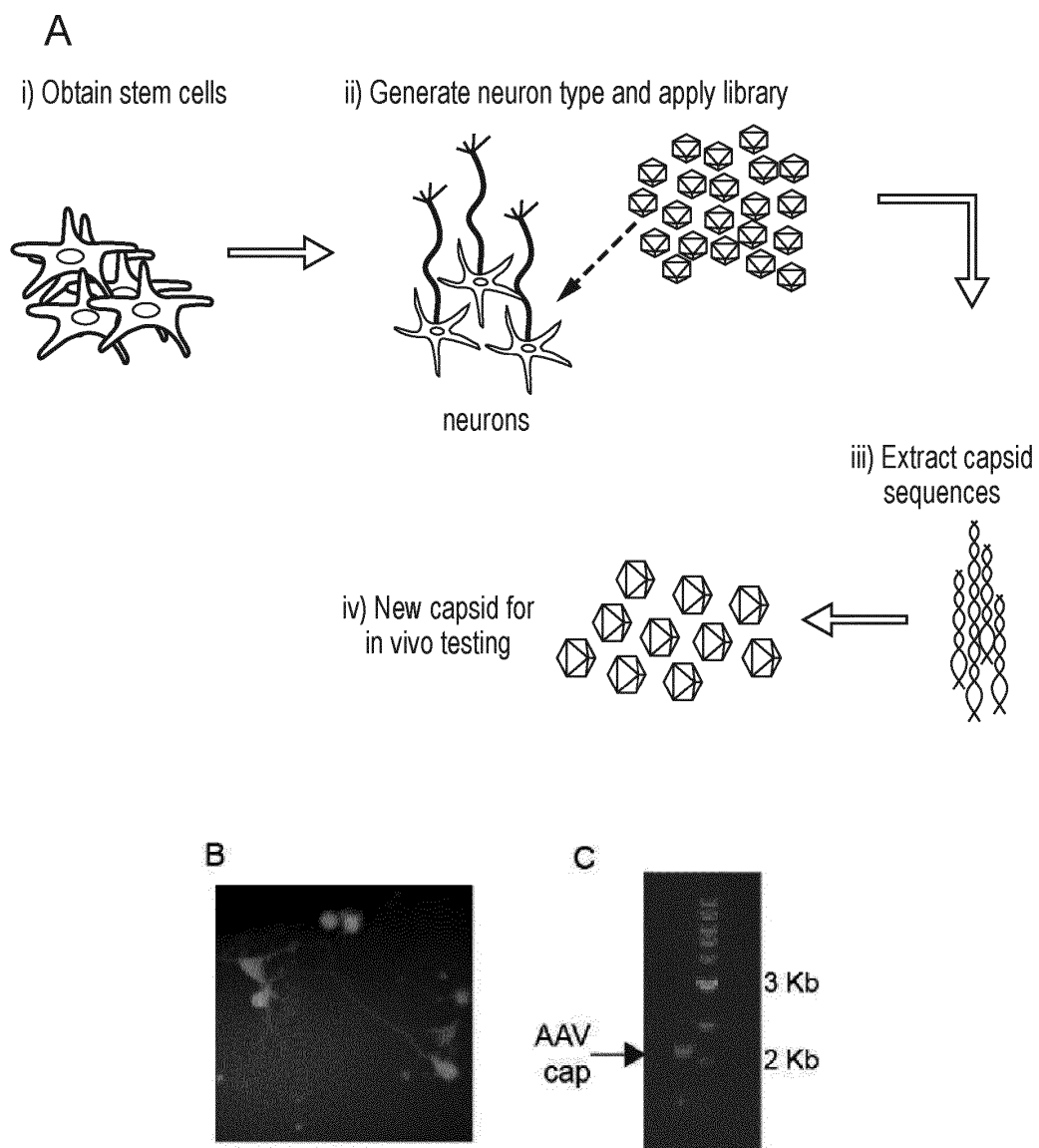


FIG. 4

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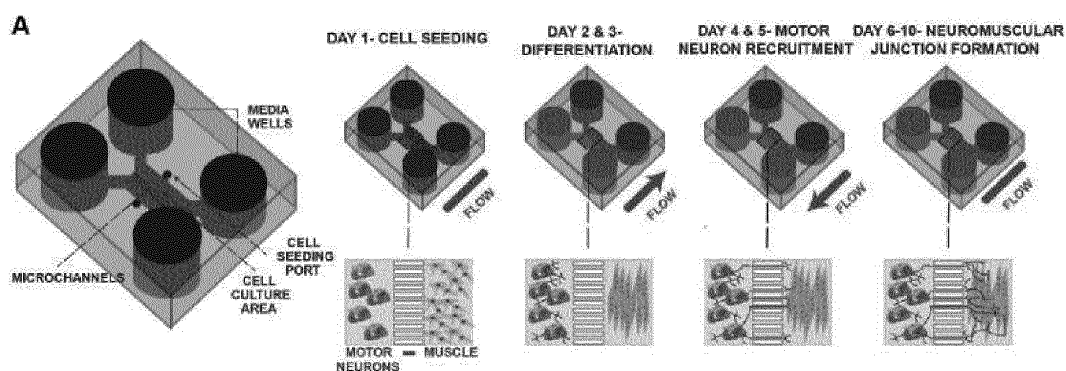
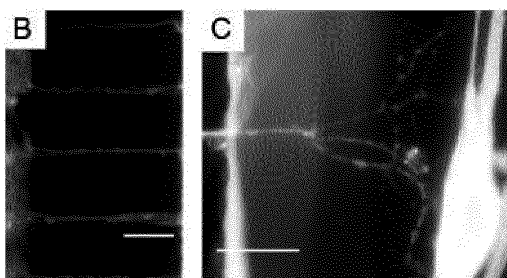
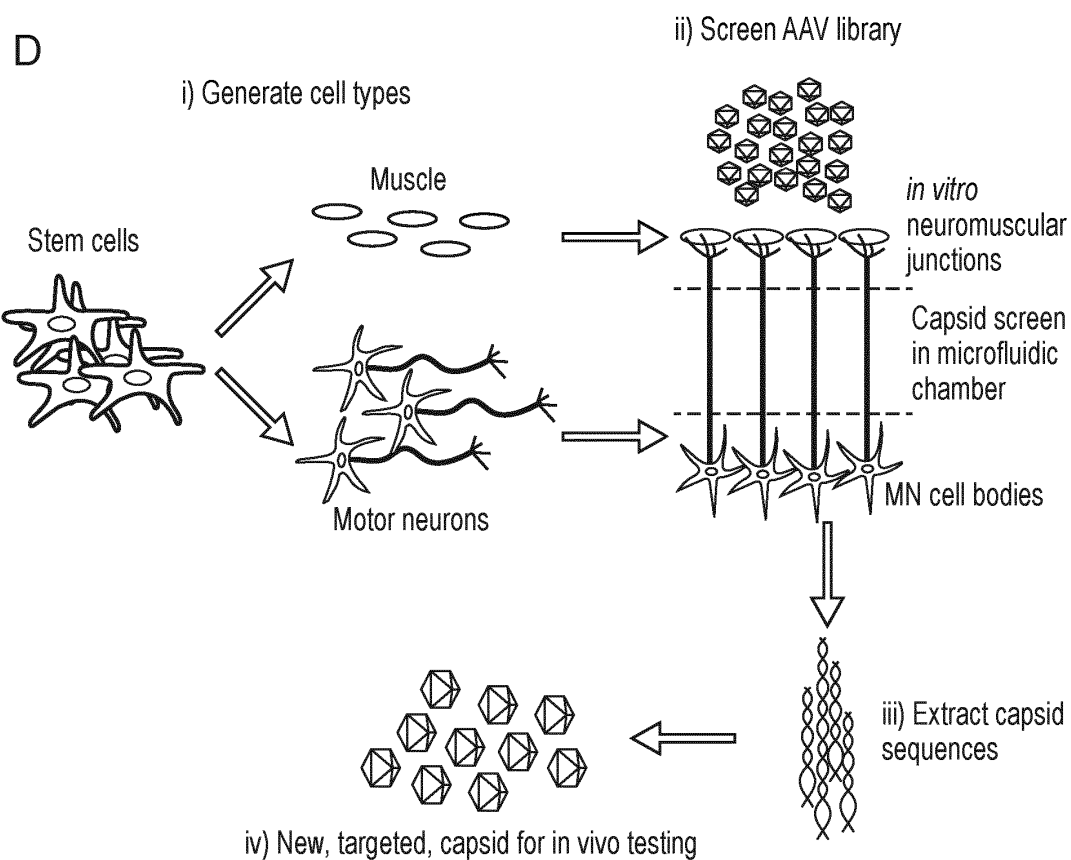


FIG. 5

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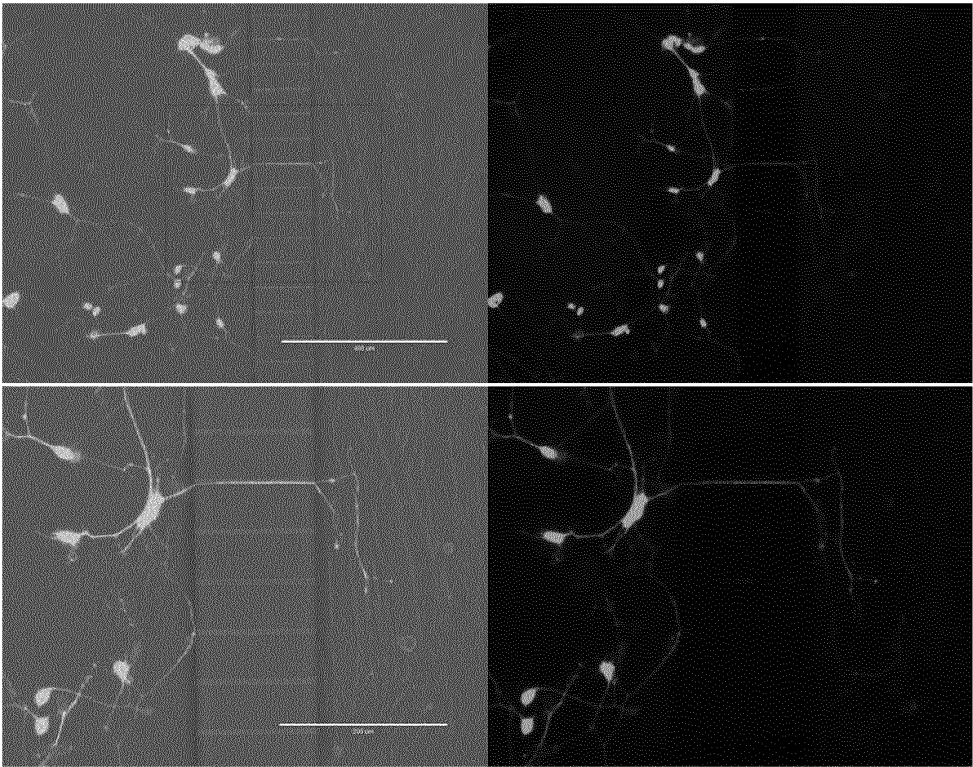


FIG. 6

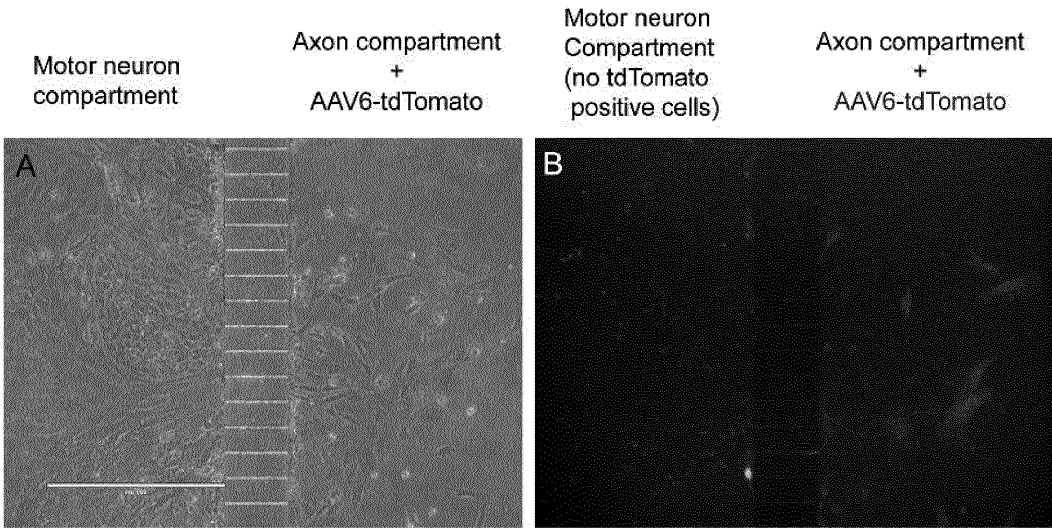


FIG. 7

A

Motor neuron compartment

Muscle compartment

Microfluidic grooves

● Motor neurons

○ Muscle cells

— Motor axons

i) AAV capsid library

B

motor neuron

motor neuron

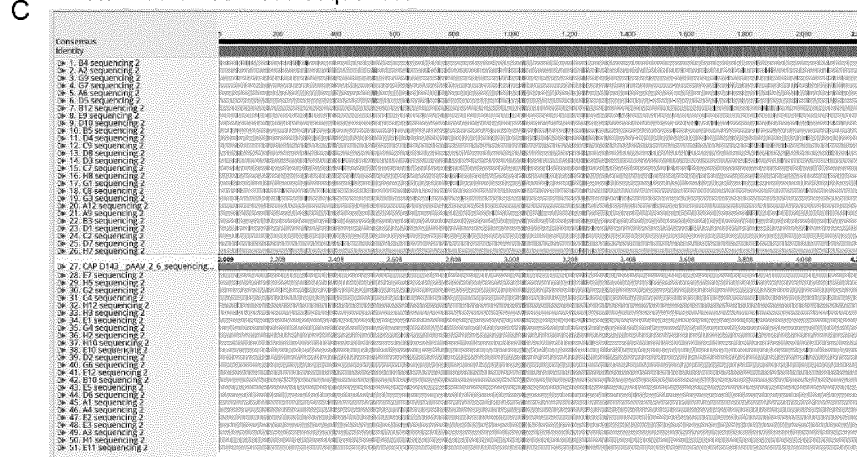
muscle

muscle

motor neuron

motor neuron

capsid



Contig	Identity	220	440	660	880	1100	1320	1540	1760	1980	2200	2420	2640	2860	3080	3300	3520	3740	3960	4180	4400	4620	4840	5060	5280	5500	5720	5940	6160	6380	6600	6820	7040	7260	7480	7700	7920	8140	8360	8580	8800	9020	9240	9460	9680	9900	10120	10340	10560	10780	11000	11220	11440	11660	11880	12100	12320	12540	12760	12980	13200	13420	13640	13860	14080	14300	14520	14740	14960	15180	15400	15620	15840	16060	16280	16500	16720	16940	17160	17380	17600	17820	18040	18260	18480	18700	18920	19140	19360	19580	19800	20020	20240	20460	20680	20900	21120	21340	21560	21780	22000	22220	22440	22660	22880	23100	23320	23540	23760	23980	24200	24420	24640	24860	25080	25300	25520	25740	25960	26180	26400	26620	26840	27060	27280	27500	27720	27940	28160	28380	28600	28820	29040	29260	29480	29700	29920	30140	30360	30580	30800	31020	31240	31460	31680	31900	32120	32340	32560	32780	33000	33220	33440	33660	33880	34100	34320	34540	34760	34980	35200	35420	35640	35860	36080	36300	36520	36740	36960	37180	37400	37620	37840	38060	38280	38500	38720	38940	39160	39380	39600	39820	40040	40260	40480	40700	40920	41140	41360	41580	41800	42020	42240	42460	42680	42900	43120	43340	43560	43780	44000	44220	44440	44660	44880	45100	45320	45540	45760	45980	46200	46420	46640	46860	47080	47300	47520	47740	47960	48180	48400	48620	48840	49060	49280	49500	49720	49940	50160	50380	50600	50820	51040	51260	51480	51700	51920	52140	52360	52580	52800	53020	53240	53460	53680	53900	54120	54340	54560	54780	55000	55220	55440	55660	55880	56100	56320	56540	56760	56980	57200	57420	57640	57860	58080	58300	58520	58740	58960	59180	59400	59620	59840	60060	60280	60500	60720	60940	61160	61380	61600	61820	62040	62260	62480	62700	62920	63140	63360	63580	63800	64020	64240	64460	64680	64900	65120	65340	65560	65780	66000	66220	66440	66660	66880	67100	67320	67540	67760	67980	68200	68420	68640	68860	69080	69300	69520	69740	69960	70180	70400	70620	70840	71060	71280	71500	71720	71940	72160	72380	72600	72820	73040	73260	73480	73700	73920	74140	74360	74580	74800	75020	75240	75460	75680	75900	76120	76340	76560	76780	77000	77220	77440	77660	77880	78100	78320	78540	78760	78980	79200	79420	79640	79860	80080	80300	80520	80740	80960	81180	81400	81620	81840	82060	82280	82
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SUBSTITUTE SHEET (RULE 26)

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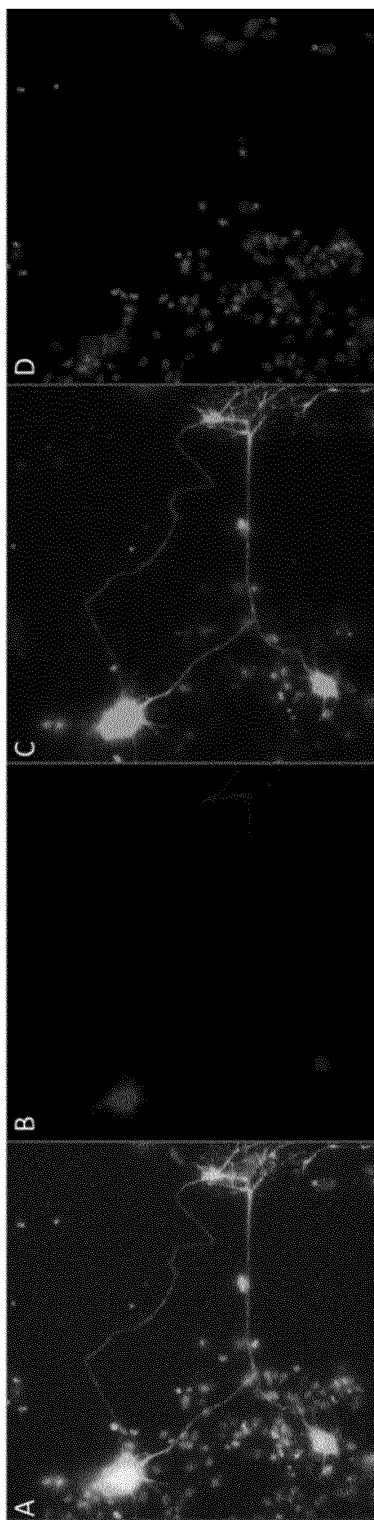


FIG. 9