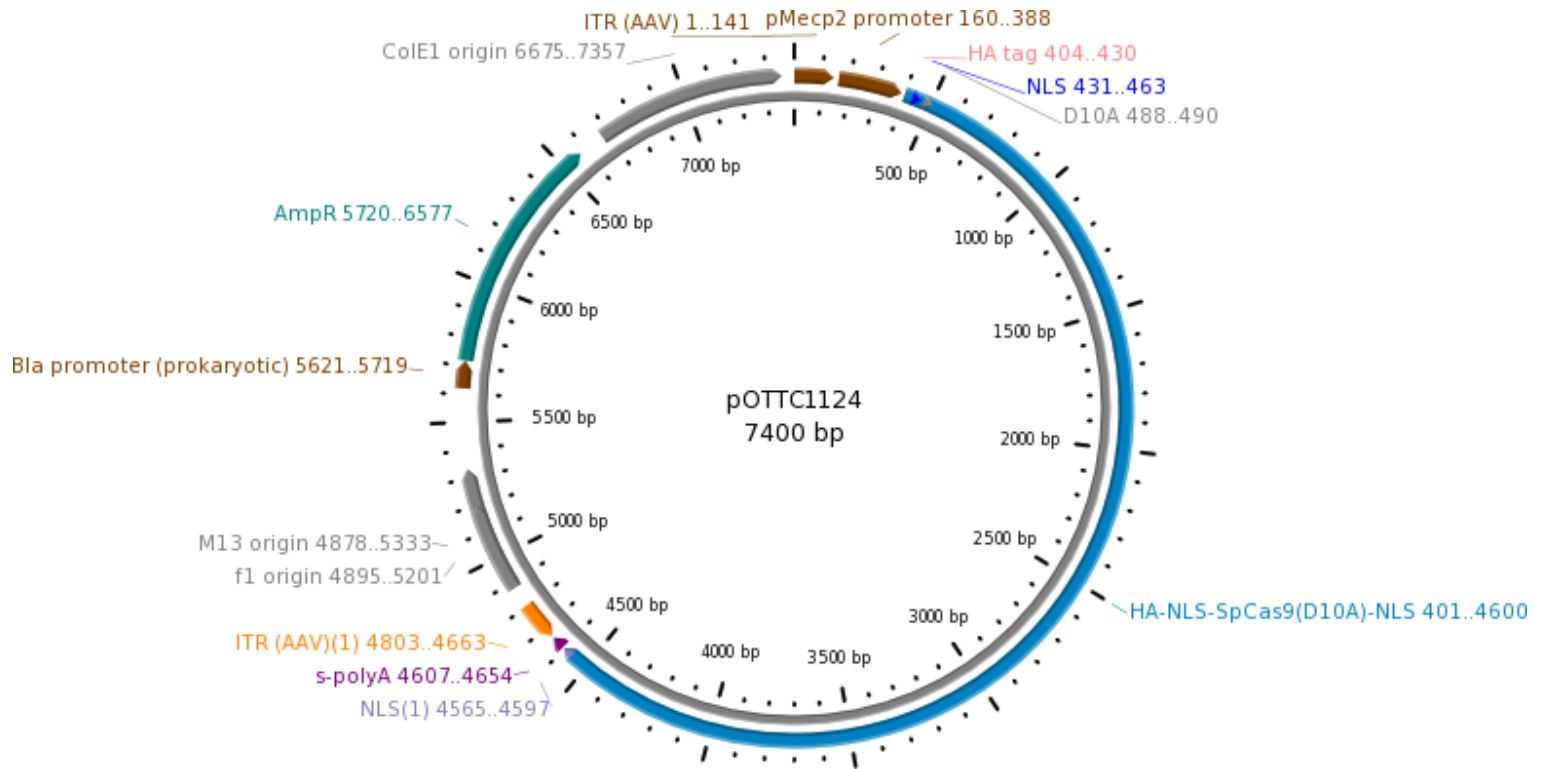


pAAV Mecp2 HA-NLS-SpCas9(D10A)-NLS pOTTTC1124



<u>Name</u>	<u>Description</u>	<u>Location</u>
ITR (AAV)	Inverted Terminal Repeat (Adeno-associated virus)	1..141
pMecp2 promoter	Methyl CpG-binding protein 2 promoter for neuronal expression	160..388
HA-NLS-SpCas9(D10A)-NLS	Cas9(D10A) nickase	401..4600
HA tag	HA epitope [YPYDVPDYA]	404..430
NLS	Nuclear localization signal	431..463
D10A	Catalytic site mutation (D10A)	488..490
NLS(1)	Nuclear-localization signal	4565..4597
s-polyA	Poly-adenylation signal	4607..4654
ITR (AAV)(1)	Inverted Terminal Repeat (Adeno-associated virus)	4803..4663
M13 origin	Phagemid origin of replication	4878..5333
f1 origin	Phagemid origin of replication	4895..5201
Bla promoter (prokaryotic)	Bacterial beta-lactamase promoter	5621..5719
AmpR	Bacterial ampicillin resistance marker	5720..6577
ColE1 origin	Plasmid origin of replication	6675..7357

pOTTTC1124 was constructed by Chris Richie at NIDA/GEVVC (CR1357_A, EJH060_A); backbone is pOTTTC1077 - pX551 - pAAV mMecp2 HA-SpCas9.apeA. (addgene 60957);
 File dynamically generated on 09-JAN-2019 by NIDA plasmid manager.