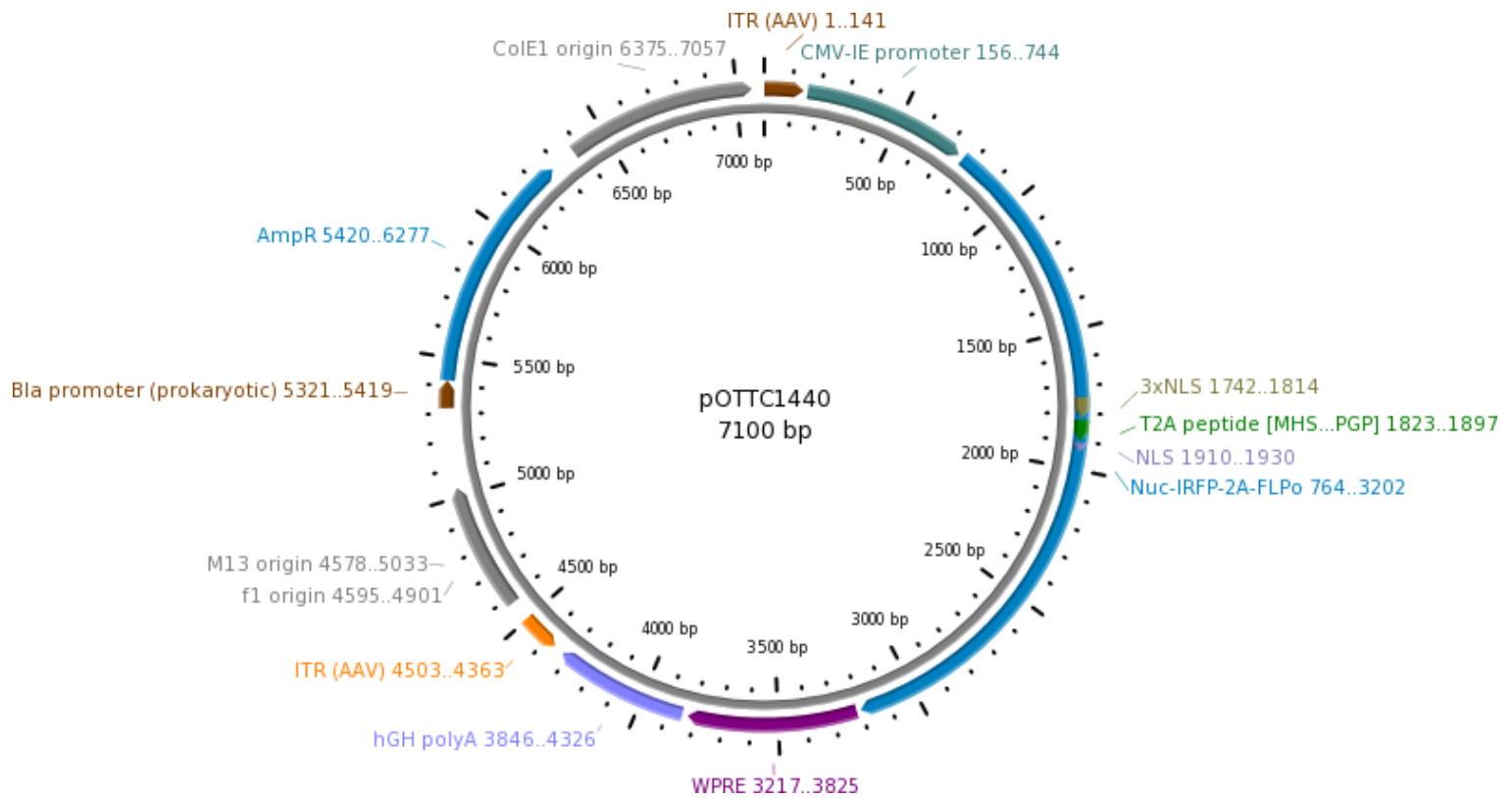


pAAV CMV-IE Nuc-IRFP-2A-FLPo.ape pOTTTC1440



Name	Description	Location
ITR (AAV)	Inverted Terminal Repeat (Adeno-associated virus)	1..141
CMV-IE promoter	Human cytomegalovirus immediate early promoter	156..744
Nuc-IRFP-2A-FLPo	Nuclear-localized iRFP and mammalian-optimized Flp recombinase	764..3202
3xNLS	Nuclear localization signal (DPKKKRKV DPKKKRKV DPKKKRKV)	1742..1814
T2A peptide [MHS...PGP]	ribosomal skip motif	1823..1897
NLS	Nuclear localization signal [PKKKRKV] (SV40 virus largeT antigen)	1910..1930
WPRE	Woodchuck Post-Transcriptional Regulation Element	3217..3825
hGH polyA	Human Growth Hormone polyadenylation signal	3846..4326
ITR (AAV)	Inverted Terminal Repeat (Adeno-associated virus)	4503..4363
M13 origin	Phagemid origin of replication	4578..5033
f1 origin	Phagemid origin of replication	4595..4901
Bla promoter (prokaryotic)	Bacterial beta-lactamase promoter	5321..5419
AmpR	Ampicillin Resistance Marker	5420..6277
ColE1 origin	Plasmid origin of replication	6375..7057

pOTTTC1440 was constructed by Chris Richie at OTTC/NIDA (CR1675_H).; backbone: pOTTTC1054 was constructed by Chris Richie at OTTC/NIDA (CR1223_E), digested with BamHI and BsrGI.; File dynamically generated on 10-NOV-2016 by NIDA plasmid manager.