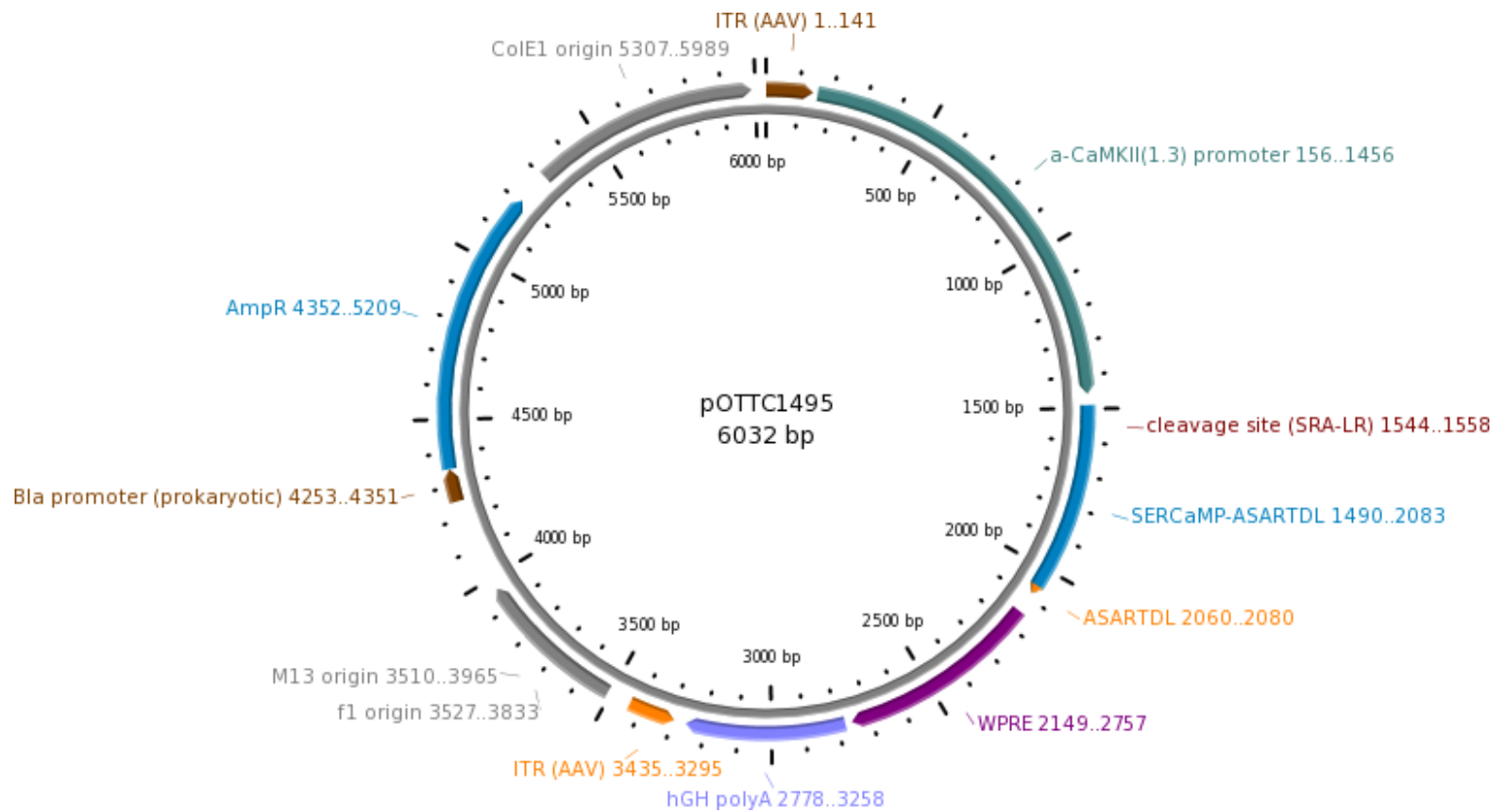


pAAV CaMKII SERCaMP-ASARTDL.ape pOTTC1495



Name	Description	Location
ITR (AAV)	Inverted Terminal Repeat (Adeno-associated virus)	1..141
a-CaMKII(1.3) promoter	Human CaM Kinase II promoter	156..1456
SERCaMP-ASARTDL	Secreted calcium monitoring protein with C-terminal ASARTDL from human Manf	1490..2083
cleavage site (SRA-LR)	Location of signal peptide cleavage	1544..1558
MANF (1-23) signal peptide	Human Manf signal peptide	1558..0
ASARTDL	ER retention signal from human Manf	2060..2080
WPRE	Woodchuck Post-Transcriptional Regulation Element	2149..2757
hGH polyA	Human Growth Hormone polyadenylation signal	2778..3258
ITR (AAV)	Inverted Terminal Repeat (Adeno-associated virus)	3435..3295
M13 origin	Phagemid origin of replication	3510..3965
f1 origin	Phagemid origin of replication	3527..3833
Bla promoter (prokaryotic)	Bacterial beta-lactamase promoter	4253..4351
AmpR	Ampicillin Resistance Marker	4352..5209
ColE1 origin	Plasmid origin of replication	5307..5989

pOTTC1495 was constructed by Chris Richie at OTTC/NIDA (CR1741_C).;
 File dynamically generated on 13-APR-2017 by NIDA plasmid manager.