



<u>Name</u>	<u>Description</u>	<u>Location</u>
L-ITR	AAV - Left Inverted Terminal Repeat	1..141
EF-1a	human EF-1a promoter	156..1419
LoxP	targeted recombination site	1426..1459
hChR2	engineered ChannelRhodopsin 2 variant	1470..2399
H134R	H134R substitution	1869..1871
EYFP (no start)	Enhanced Yellow Fluorescent Protein	2415..3131
LoxP	targeted recombination site	3140..3173
WPRE	Woodchuck hepatitis virus Post-transcriptional Regulation Element	3188..3796
hGH polyA	human Growth Hormone - Polyadenylation signal	3816..4294
R-ITR	AAV - Right Inverted Terminal Repeat	4334..4474
f1 Origin	phagemid Origin of replication	4566..4872
AmpR	bacterial Ampicillin Resistance gene	5391..6248
pUC ori	bacterial Origin of replication	6399..7066

pOTTC292 - pAAV EF1a floxed(hChR2-EYFP) was created by Chris Richie on 01/12/2012 (CR513).

Described in McDevitt RA, Tiran-Cappello A, Shen H, Balderas I, Britt JP, Marino RAM, Chung SL, Richie CT, Harvey BK, Bonci A. (2014). Serotonergic versus non-serotonergic dorsal raphe projection neurons: differential participation in reward circuitry. Cell Reports, in press.

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