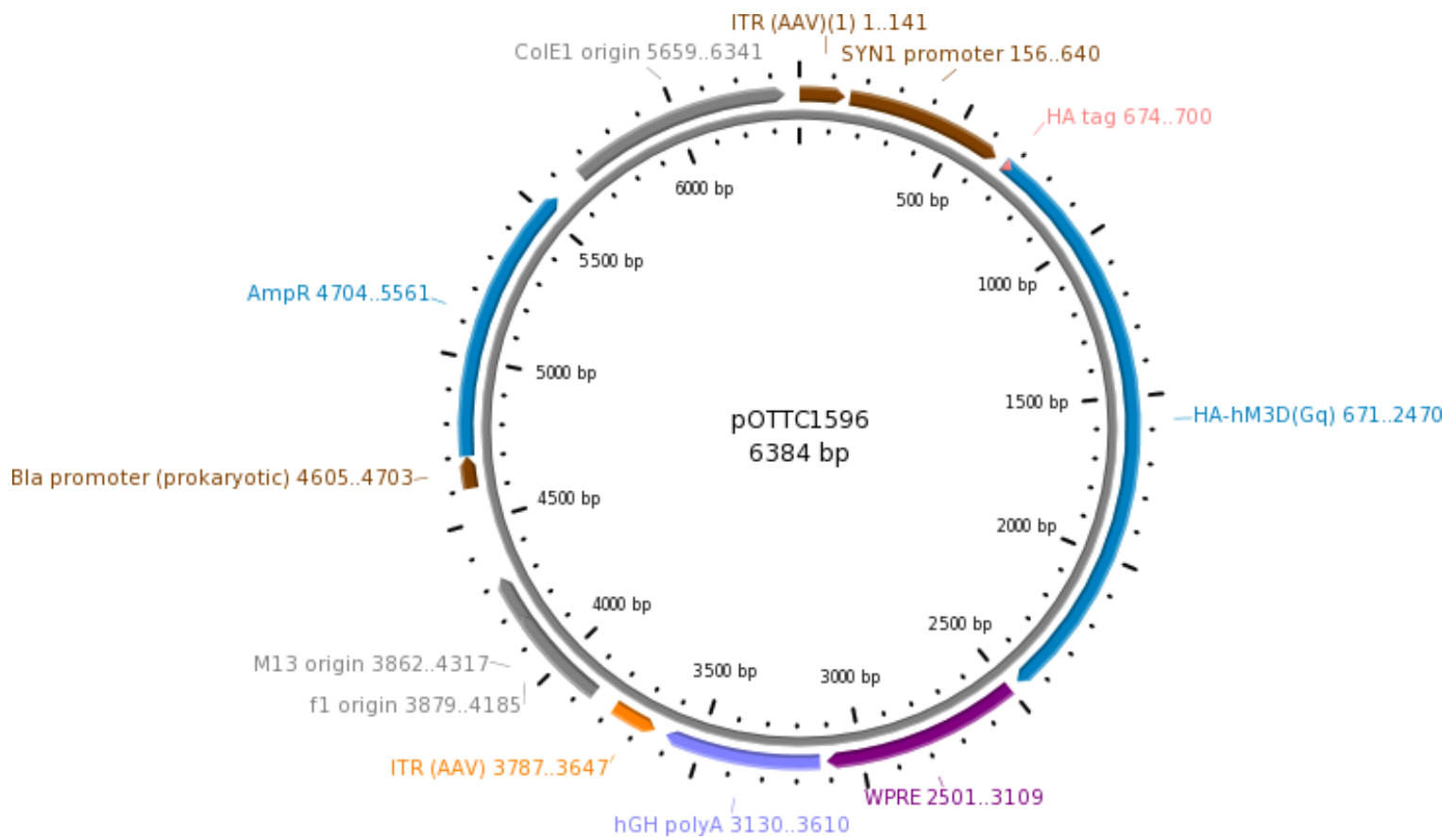


pAAV SYN1 HA-hM3D(Gq).ape pOTTTC1596



| <u>Name</u> | <u>Description</u> | <u>Location</u> |
|----------------------------|---|-----------------|
| ITR (AAV)(1) | Inverted Terminal Repeat (Adeno-associated virus) | 1..141 |
| SYN1 promoter | Human Synapsin 1 promoter | 156..640 |
| HA-hM3D(Gq) | HA-tagged hM3D Gq-coupled stimulatory DREADD | 671..2470 |
| HA tag | HA epitope [YPYDVPDYA] | 674..700 |
| WPRE | Woodchuck Post-Transcriptional Regulation Element | 2501..3109 |
| hGH polyA | Human Growth Hormone polyadenylation signal | 3130..3610 |
| ITR (AAV) | Inverted Terminal Repeat (Adeno-associated virus) | 3787..3647 |
| M13 origin | Phagemid origin of replication | 3862..4317 |
| f1 origin | Phagemid origin of replication | 3879..4185 |
| Bla promoter (prokaryotic) | Bacterial beta-lactamase promoter | 4605..4703 |
| AmpR | Ampicillin Resistance Marker | 4704..5561 |
| ColE1 origin | Plasmid origin of replication | 5659..6341 |

pOTTTC1596 was constructed by Chris Richie at GEVVC/NIDA (CR1929_A).; backbone was pOTTTC1479 was constructed by Chris Richie at GE&VVC/NIDA (CR1712_C).; CR1712 - pAAV SYN1 iRFP-FLAG0;
 File dynamically generated on 01-DEC-2017 by NIDA plasmid manager.