

Vector Facility Promoter collection

Tissue specific promoters (RNA Pol II)	Target Tissue/Cells
cardiac Troponin T (cTnT)	Heart muscle
Myosin Light Chain 260 (MCL260)	Heart muscle
Human Synapsin 1 (hSyn1)	Brain, panneuronal
Mouse Doublecortin (Dcx)	Brain, immature neurons
Cam Kinase II (CamKII)	Brain, excitatory neuron
L7 (Pcp2)	Brain, Purkinje cells
Brain Lipid Binding Protein (BLBP)	Brain, neural stem cell (radial glial cells)
Glial Fibrillary Acidic Protein (GFAP)	Brain, astrocytes
<i>Fugu</i> Neuropeptide Y (fNPY)	Brain, Inhibitory neuron subtype (NPY)
<i>Fugu</i> Somatostatin (fSST)	Brain, Inhibitory neuron subtype (SST)
Glucagon-like peptide-1 (GLP-1)	Gut, Pancreas, glucagon-producing α cells
Distal Lymphocyte-specific Protein Tyrosine Kinase (lck)	mature T cells
Human thyroxine binding globulin (TBG)	Liver
HCRapoE/hAAT	Liver

Ubiquitous promoters (RNA Pol II)

Cytomegalovirus (CMV)
Elongation factor 1 α (EF1 α)
Phosphoglyceratkinase 1 (hPGK)
Chicken β actin (CBA)
Simian Virus 40 (SV40)
Ubiquitin C (Ubc)
SRalpha

Regulatable promoters

Tet-ON: TRE + rtTA3
Tet-OFF: TRE + tTA3
Tet-OFF: TRE + tTR-KRAB (Krüppel-associated box)

Ubiquitous promoters (RNA Pol III)

U6
H1

AAV Serotype	Tropism
AAV1	Muscle, heart, CNS/Eye
AAV2	<i>In vitro</i> , CNS/Eye, Liver, Hematopoietic cells
AAV3	Hematopoietic cells
AAV4	Heart, Lung, CNS/Eye
AAV5	Muscle, Lung (airway, alveoli), Liver, CNS/Eye
AAV6	Muscle, Lung (airway), Liver, Heart, Pancreas, Adipose
AAV7	Muscle, Liver
AAV8	Liver, Muscle, CNS/Eye
AAV9	Lung (alveoli), Liver, Muscle, Heart, CNS
AAVrh10	Pleura, CNS