

Taconic				
Designation	Formal Nomenclature	short description	reference	availability
Deleter / Reporter Mice				
Cre deleter	C57BL/6-Gt(ROSA)26Sor ^{tm16(Cre)Arte} Backcross to C57BL/6Ntac: N5	ubiquitous activity; general deleter knock-in of "Splice Acceptor - NLS ^{SV40T} -Cre polyadenylation site" in the ROSA26 locus subsequent deletion of neo selection marker	Otto et al., Biol Reprod. 2009 Jan; 80(1):34-41	Live Mice
FLPe deleter	C57BL/6-Tg(CAG-Flpe)2Arte	ubiquitous activity random integration of CAGGS promoter - Flpe transgene coisogenic on C57BL/6	Buchholz et al., Nature Biotechnology 16, 657-662 (1998)	Live Mice
Arte1 Cre/C31 reporter (lacZ)	B6;129S6-Gt(ROSA)26Sor ^{tm18Arte} Backcross Generation N2	cre/phiC31 reporter knock-in of lacZ in ROSA26 locus (CAG-attB-loxP-PGKpromoter-hygroR-attP-loxP-NLSlacZ)	Andreas et al., Nucleic Acids Res. 30, 2299-2306 (2002)	Live Mice
Ra/EG reporter	B6.129P2-Ager ^{tm1Arnd}	Knock in of floxed EGFP reporter in the advanced glycosylation end product-specific receptor (Ager; formerly RAGE1) locus. Cre deletion activates ubiquitous expression of EGFP.	Constien et al., Genesis 30: 36-44 (2001)	DKFZ
Inducible Recombinase Mice				
rosa(SAcreER ^{T2})	C57BL/6 NTac-Gt(ROSA)26Sor ^{tm9(Cre/ESR1)Arte}	inducible general deleter knock-in of high affinity creER ^{T2} (cre/ESR1) in ROSA26 locus successful induction of cre activity after oral tamoxifen administration (5 days, 5 mg oral per day; LD50 of 200 mg), resulting in complete recombination of <i>polBetaFlox reporter</i> in all tissues, except brain (30%) also available as ES cell line: ESAR F1 R9 7 (genetic background 129S6B6F1)	Seibler et al., NAR 2003, 31(4):e12	Live Mice
Mx cre	B6.Cg-Tg(Mx1-Cre)CgnArte Backcross Generation N18	inducible deleter random integration of NLS ^{SV40T} -cre under control of the interferon-inducible Mx-promoter; mice express cre in different levels in interferon-reactive tissues; successful induction of cre expression after IP injection of polyinosine-polyCytidine (250 µg each at day 1, 3 and 5), results in deletion of <i>polBetaFlox reporter</i> between 10% (brain) and 100% (liver) low background activity of >10% in spleen, uterus, thymus, heart and lung	Kuehn et al., Science 269: 1427-1429 (1995)	Frozen Embryos only
L43Tie2ER ^{T2} Cre	B6;D2-Tg(Tek-cre/ESR1)1Arnd	Exclusive and reproducible inducible endothelial cell expression of Cre	Forde et al., Genesis 33: 191-1	DKFZ
Tissue-specific Recombinase Mice				
Cre				
CamKII-cre	B6.Cg-Tg(Camk2a-cre)159Cgn/Arte Backcross Generation N14	forebrain-specific random transgene of NLS ^{SV40T} -cre under control of the murine CamKII promoter - efficient recombination in Cortex, Striatum and hippocampus in adult animals	Minichiello et al., Neuron 24: 401-414 (1999)	Live Mice
CD19-cre	B6.129P2-Cd19 ^{tm1(cre)Cgn} /Arte Backcross Generation N12 F14 G26	B cell-specific knock-in of NLS ^{SV40T} -cre into exon 2 of CD19 locus; - 90% deletion of <i>polBetaFlox reporter</i> in splenic B cells, 80% deletion in bone marrow B cell precursors	Rickert et al., NAR 25: 1317-1318 (1997)	frozen Embryos only
MCK-cre	B6.Cg-Tg(Ckm-Cre)28Arte Backcross Generation N8	specific for skeletal and heart muscle random transgene of NLS ^{SV40T} -cre under control of the muscle creatin kinase (Ckm) promoter - partial deletion, up to 50% of <i>ROSA26 reporter</i>	unpublished	frozen Embryos only

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NFL-cre	B6.CBA(B6)-Tg(Nefl-cre)1Arte	neuron-specific random transgene of NLS ^{SV40T} -cre under control of the human neurofilament light chain (NFL) promoter - recombination in individual cells of brain and spinal cord	unpublished	frozen Embryos only
Tie2CRE	B6.D2-Tg(Tek-cre)1Arnd	Endothelial and hematopoietic specific expression of Cre. Germline expression.	Constien et al., Genesis 30: 36-44 (2001)	DKFZ
Flp				
CamKII-FLP	C57BL/6-Tg(Camk2a-Flpe)23Arte	forebrain/hippocampus specific, random transgene of NLSSV40T-FLPe under control of the murine CamKII promoter - efficient recombination in Cortex and hippocampus coisogenic on C57BL/6	unpublished	Frozen Embryos only
Rip-FLP	B6.Cg-Tg(Ins2-Flpe)25Arte Backcross Generation N19	pancreas beta cells, random transgene of Rat-Insulin_Promoter-FLPe, recombination in pancreas β -cells	unpublished	Frozen Embryos only
Transferrin-FLP	C57BL/6-Tg(Trf-Flpe)35Arte	brain/liver, random transgene of transferrin-FLPe, recombination in brain and liver, heterozygous mice coisogenic on C57BL/6	unpublished	Frozen Sperm only