

TaconicArtemis				
Designation	Formal Nomenclature	short description	reference	availability
Deleter / Reporter Mice				
Cre deleter	C57BL/6- <i>Gt(ROSA)26Sor^{tm1b(Cre)Arb}</i> Backcross to C57BL/6 N Tac: N3	ubiquitous activity; general deleter knock-in of "Splice Acceptor - NLS ^{SV40T} -Cre polyadenylation site" in the ROSA26 locus subsequent deletion of neo selection marker	unpublished	Live Mice
FLPe deleter	C57BL/6-Tg(<i>ACTB-Flpe</i>)2Arte	ubiquitous activity random integration of CAGGS promoter - Flpe transgene coisogenic on C57BL/6	unpublished	Live Mice Frozen Embryos
Arte1 Cre/C31 reporter (lacZ)	B6;129S6- <i>Gt(ROSA)26Sor^{tm1bArb}</i> Backcross Generation N2	cre/phiC31 reporter knock-in of lacZ in ROSA26 locus (CAGGS promoter-attB-loxP-PGK promoter-hygroR-attP-loxP-NLSlacZ)	unpublished	Live Mice
Ra/EG reporter	B6.129P2- <i>Ager^{tm1Arnd}</i>	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., <i>Genesis</i> 30: 36-44 (2001)	
Inducible Recombinase Mice				
rosa(SAcreER ^{T2})	C57BL/6 NTac- <i>Gt(ROSA)26Sor^{tm9(cre/ESR1)Arte}</i>	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., <i>NAR</i> 2003, 31(4):e12	Live Mice Frozen Embryos
Mx cre	B6.Cg-Tg(<i>Mx1-Cre</i>)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., <i>Science</i> 269: 1427-1429 (1995)	Frozen Embryos only
L43Tie2ER ^{T2} Cre	B6;D2-Tg(<i>Tek-cre/ESR1</i>)1Arnd	Exclusive and reproducible inducible endothelial cell expression of Cre	Forde et al., <i>Genesis</i> 33: 191-1	
Tissue-specific Recombinase Mice				
Cre				
CamKII-cre	B6.Cg-Tg(<i>Camk2a-cre</i>)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., <i>Neuron</i> 24: 401-414 (1999)	Live Mice Frozen Embryos

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CD19-cre	B6.129P2- <i>Cd19^{tm1(cre)Cgn}</i> /Arte Backcross Generation ?+N13F10	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)	Live Mice
MCK-cre	B6.Cg-Tg(<i>Ckm-Cre</i>)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	Live Mice
NFL-cre	B6.CBA(B6)-Tg(<i>Nfl-cre</i>)1Arte Backcross Generation N6	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	Live Mice
Tie2CRE	<i>B6;D2-Tg(Tek-cre)</i> 1Arnd	Endothelial and hematopoietic specific expression of Cre. Germline expression.	Constien et al., Genesis 30: 36-44 (2001)	
Flp				
CamKII-FLP	C57BL/6-Tg(<i>Camk2a-Flpe</i>)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(<i>Ins2-Flpe</i>)25Arte Backcross Generation N14	pancreas beta cells, random transgene of Rat-Insulin_Promoter-FLPe, recombination in pancreas β -cells	unpublished	Live Mice
Transferrin-FLP	C57BL/6-Tg(<i>Trf-Flpe</i>)35Arte	brain/liver, random transgene of transferrin-FLPe, recombination in brain and liver, homozygous mice coisogenic on C57BL/6	unpublished	Live Mice