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Mouse Models for Diabetes and Obesity Research

View JAX® Research Models for Diabetes and Obesity Research at www.jax.org/jaxmice/research/diabetes_obesity

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List of Strains by Research Area

Hyperglycemia

- Akt2^{tm1.1Mbb}*
** 006966 B6.Cg-*Akt2^{tm1.1Mbb}*/J
- Akt2^{tm1.1Mbb} Ldlr^{tm1Her}*
** 006952 B6.Cg-*Akt2^{tm1.1Mbb} Ldlr^{tm1Her}*/J
- A-ZIP/F
004100 FVB-Tg(AZIP/F)1Vsn/J
- CALM1 TAg
005564 FVB(Cg)-Tg(Ins2-CALM1)26Ove
Tg(Cryaa-TAg)1Ove/PneJ
- Cyb5r4^{tm1Hfb}*
005517 B6.129S4-*Cyb5r4^{tm1Hfb}*/HfbJ
005516 C.129S4-*Cyb5r4^{tm1Hfb}*/HfbJ
- DGAT2
** 006781 C57BL/6-Tg(Ckm-DGAT2)10Far/J
- Gck^{tm1Efr}*
003316 B6.129P2-*Gck^{tm1Efr}*/J
- Gck^{tm1Ts}*
003264 B6.129S7-*Gck^{tm1Ts}*/J
- Hlb290
005060 C57BL/6J-*Hlb290*/J
- Ins2^{Akita}*
003548 C57BL/6-*Ins2^{Akita}*/J
** 007562 D2.B6-*Ins2^{Akita}*/MatbJ
* 006867 FVB.B6-*Ins2^{Akita}*/MlnJ
- Ins2^{Akita} Bdkrb2^{tm1Jfh}*
** 006860 B6.129-*Ins2^{Akita} Bdkrb2^{tm1Jfh}*/SmiJ
- Ins2^{Akita} Ldlr^{tm1Her}*
** 006580 B6.Cg-*Ins2^{Akita} Ldlr^{tm1Her}*/J
- Ldlr^{tm1Her} AKR1B1*
** 006877 B6.Cg-*Ldlr^{tm1Her} Tg(H2-K-AKR1B1)1Tj*/J
- Ldlr^{tm1Her} Sod2^{tm1Leb}*
* 006883 B6.Cg-*Ldlr^{tm1Her} Sod2^{tm1Leb}*/J
- Lep^{ob}*
000696 BKS.V-*Lep^{ob}*/J
- Lep^{ob} Ldlr^{tm1Her}*
** 006906 B6.Cg-*Lep^{ob} Ldlr^{tm1Her}*/J

- Lep^{db-3J}*
000709 129P3/J-*Lep^{db-3J}*/J
- Lep^{db-5J}*
004939 NOD/ShiLtJ-*Lep^{db-5J}*/J
- Lep^{db-9J}*
006846 STOCK *Lep^{db-9J}*/Jgn
- m Lep^{db}*
000642 BKS.Cg-*m +/+ Lep^{db}*/J
000700 BKS.Cg-*m Lep^{db}/+ +/J*
006654 FVB.BKS(D)-*Lep^{db}*/ChuaJ
- mea^l Lep^{db} m*
001192 BKS.Cg-*mea^l Lep^{db} +/+ + m/J*
- Lpl^{tm1Jg}*
* 006503 B6.129S4-*Lpl^{tm1Jg}*/J
- Rag1^{tm1Mom} Ins2^{Akita}*
004369 B6.Cg-*Rag1^{tm1Mom} Ins2^{Akita}*/J
- SREBF1
003393 B6;SJL-Tg(aP2-SREBF1c)9884Reh/J

• adult onset

- HTT
002810 B6CBA-Tg(HDexon1)62Gpb/1J
006494 B6CBA-Tg(HDexon1)62Gpb/3J

Consomic Strain

- 002111 C3.SW/Lt-Chr Y^{SW}/J (males)

Inbred Strains

- 000654 CBA/CaJ (males)
005067 NZL/LtJ (males)

• diet-induced

- Dta*
002384 FVB/N-Tg(UcpDta)1Kz/J

• males

- Cpe^{fat}*
003923 B6.HRS(BKS)-*Cpe^{fat}*/J
002391 BKSChpLt.HRS-*Cpe^{fat}*/J
003774 CAST.HRS(BKS)-*Cpe^{fat}*/Jng

Recombinant Congenic Strain

- 004456 NONcNZO10/LtJ

• more severe

- A^y*
000021 B6.Cg-*A^y*/J
002468 KK.Cg-*A^y*/J

Mouse Models for Diabetes and Obesity Research

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- **transient**

Lep^{ob}
000632 B6.V-*Lep^{ob}/J*

m Lep^{db}
000697 B6.Cg-*m* +/+ *Lep^{db}/J*
000699 B6.Cg-*m Lep^{db}/+* +/J

Consonic Strain

002111 C3.SW/Lt-Chr Y^{SW}/J

Hyperinsulinemia

A^y
000021 B6.Cg-*A^y/J*

A-ZIP/F
004100 FVB-Tg(AZIP/F)1Vsn/J

Cpe^{fat}
003923 B6.HRS(BKS)-*Cpe^{fat}/J*
002391 BKSChpLt.HRS-*Cpe^{fat}/J*
003774 CAST.HRS(BKS)-*Cpe^{fat}/Jng*

Gast^{tm1(INS)Ez}
* 006411 B6.129-*Gast^{tm1(INS)Ez}/J*

Insig1^{tm1Mbfg} Insig2^{tm1Mbfg}
* 005939 B6;129S6-*Insig1^{tm1Mbfg} Insig2^{tm1Mbfg}/J*

Lep^{ob}
000632 B6.V-*Lep^{ob}/J*
000696 BKS.V-*Lep^{ob}/J*
004824 BTBR.V(B6)-*Lep^{ob}/WiscJ*

Lep^{ob} Ldlr^{tm1Her}
** 006906 B6.Cg-*Lep^{ob} Ldlr^{tm1Her}/J*

Lep^{db}
006654 FVB.BKS(D)-*Lep^{db}/ChuaJ*

Lep^{db-3J}
000709 129P3/J-*Lep^{db-3J}/J*

Lep^{db-5J}
004939 NOD/ShiLtJ-*Lep^{db-5J}/LtJ*

m Lep^{db}
000697 B6.Cg-*m* +/+ *Lep^{db}/J*
000699 B6.Cg-*m Lep^{db}/+* +/J
000642 BKS.Cg-*m* +/+ *Lep^{db}/J*
000700 BKS.Cg-*m Lep^{db}/+* +/J
000707 CBA.Cg-*m Lep^{db}/+* +/J

m Lep^{db} Myo15^{sh2-J}
002048 B6 x C57BLKS-*m Lep^{db} Myo15^{sh2-J}/J*

m Lep^{db} Qk^{qk-2J}
005089 B.Cg *m* +/+ *Lep^{db}-Qk^{qk-2J}/J*

Mc4r^{tm1Lowl} cre
** 006414 B6;129S4-*Mc4r^{tm1Lowl}/J*

mea^J Lep^{db} m
001192 BKS.Cg-*mea^J Lep^{db} +/+ + m/J*

Pcsk1^{N222D}
* 006699 C57BL/6J-*Pcsk1^{N222D}/J*

Scg5^{tm1Led}
* 007005 129S-*Scg5^{tm1Led}/J*

SREBF1
003393 B6;SJL-Tg(aP2-SREBF1c)9884Reh/J

Tub^{tub}
000562 B6(Cg)-*Tub^{tub}/J*
004176 BKS.B6-*Tub^{tub}/Jng*
003711 CAST.B6-*Tub^{tub}/Jng*

Ucp2^{tm1Lowl}
005934 B6.129S4-*Ucp2^{tm1Lowl}/J*

- **adult onset**

Brs3^{tm1Jfb}
004366 B6.129X1-*Brs3^{tm1Jfb}/J*

H2^b
000438 C3.SW-*H2^b/SnJ* (males)

Consonic Strain
002111 C3.SW/Lt-Chr Y^{SW}/J (males)

Inbred Strain
000654 CBA/CaJ (males)

- **diet-induced**

Dta
002384 FVB/N-Tg(UcpDta)1Kz/J

- **males**

Apoa2
002244 C57BL/6J-Tg(Apoa2)1Lus/J

- **moderate**

Lpin1^{fld-2J}
003401 C3H/HeJ-*Lpin1^{fld-2J}/J*

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- more severe

A^y
002468 KK.Cg-*A^y*/J

Consonic Strain

002111 C3.SW/Lt-Chr Y^{SW}/J

Hypoglycemia

* *Cebpb^{tm1Vpo}*
006873 STOCK *Cebpb^{tm1Vpo}*/J

Dgat2^{tm1Ryf}
005951 B6.129-Dgat2^{tm1Ryf}/J

* *Scg5^{tm1Led}*
007005 129S-Scg5^{tm1Led}/J

SLC2A1
003804 B6SJL-Tg(Myl2SLC2A1)2Mue/J

Ucp2^{tm1Lowl}
005934 B6.129S4-Ucp2^{tm1Lowl}/J

Hypoinsulinemia

* *Apoa2^{tm1Bres}*
006258 B6;129S4-Apoa2^{tm1Bres}/J

* *Apoa4^{tm1Bres}*
006404 B6;129S4-Apoa4^{tm1Bres}/J

CALM1 TAg
005564 FVB(Cg)-Tg(Ins2-CALM1)26Ove
Tg(Cryaa-TAg)1Ove/PneJ

* *Cebpb^{tm1Vpo}*
006873 STOCK *Cebpb^{tm1Vpo}*/J

Cyb5r4^{tm1Hfb}
005517 B6.129S4-Cyb5r4^{tm1Hfb}/HfbJ
005516 C.129S4-Cyb5r4^{tm1Hfb}/HfbJ

* *Gast^{tm1(INS)Ez}*
006411 B6.129-Gast^{tm1(INS)Ez}/J

Gck^{tm1Efr}
003316 B6.129P2-Gck^{tm1Efr}/J

Gck^{tm1Ts}
003264 B6.129S7-Gck^{tm1Ts}/J

HTT (adult onset)
002810 B6CBA-Tg(HDexon1)62Gpb/1J
006494 B6CBA-Tg(HDexon1)62Gpb/3J

Ins2^{Akita}
003548 C57BL/6-*Ins2^{Akita}*/J
** 007562 D2.B6-*Ins2^{Akita}*/MatbJ
* 006867 FVB.B6-*Ins2^{Akita}*/MlnJ

Ins2^{Akita} Bdkrb2^{tm1Jfh}
** 006860 B6.129-*Ins2^{Akita} Bdkrb2^{tm1Jfh}*/SmiJ

Ins2^{Akita} Ldlr^{tm1Her}
** 006580 B6.Cg-*Ins2^{Akita} Ldlr^{tm1Her}*/J

* *Insig1^{tm1Mbjg} Insig2^{tm1Mbjg}*
005939 B6;129S6-*Insig1^{tm1Mbjg} Insig2^{tm1Mbjg}*/J

Irs3^{tm1Lhd}
003900 B6;129-Irs3^{tm1Lhd}/J

Lepr^{db-9J}
006846 STOCK *Lepr^{db-9J}*/Jgn

Pcsk2^{tm1Dfs}
002963 B6;129-Pcsk2^{tm1Dfs}/J

Rag1^{tm1Mom} Ins2^{Akita}
004369 B6.Cg-*Rag1^{tm1Mom} Ins2^{Akita}*/J

Impaired Insulin Processing

* *Cebpb^{tm1Vpo}*
006873 STOCK *Cebpb^{tm1Vpo}*/J

Cpe^{fat}
003923 B6.HRS(BKS)-*Cpe^{fat}*/J
002391 BKSchpLt.HRS-*Cpe^{fat}*/J
003774 CAST.HRS(BKS)-*Cpe^{fat}*/Jng

Cyb5r4^{tm1Hfb}
005517 B6.129S4-Cyb5r4^{tm1Hfb}/HfbJ
005516 C.129S4-Cyb5r4^{tm1Hfb}/HfbJ

DGAT2
** 006781 C57BL/6-Tg(Ckm-DGAT2)10Far/J

* *Gast^{tm1(INS)Ez}*
006411 B6.129-Gast^{tm1(INS)Ez}/J

Ins1^{tm1Jja}
005035 NOD.129S2(B6)-*Ins1^{tm1Jja}*/GseJ

Ins2 Ins1^{tm1Jja} Ins2^{tm1Jja}
005524 NOD.Cg-Tg(Ins2*Y16A)1Ell *Ins1^{tm1Jja} Ins2^{tm1Jja}*/GseJ
005525 NOD.Cg-Tg(Ins2*Y16A)3Ell *Ins1^{tm1Jja} Ins2^{tm1Jja}*/GseJ

Ins2^{Akita}
003548 C57BL/6-*Ins2^{Akita}*/J
** 007562 D2.B6-*Ins2^{Akita}*/MatbJ

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- * 006867 FVB.B6-*Ins2*^{Akita}/MlnJ
- Ins2*^{Akita} *Bdkrb2*^{tm1Jfh}
- ** 006860 B6.129-*Ins2*^{Akita} *Bdkrb2*^{tm1Jfh}/SmiJ
- Ins2*^{Akita} *Ldlr*^{tm1Her}
- ** 006580 B6.Cg-*Ins2*^{Akita} *Ldlr*^{tm1Her}/J
- Ins2*^{tm1Jja}
- 005036 NOD.129S2(B6)-*Ins2*^{tm1Jja}/GseJ
- Lpin1*^{fld-2J}
- 003401 C3H/HeJ-*Lpin1*^{fld-2J}/J
- Pcsk1*^{N222D}
- * 006699 C57BL/6J-*Pcsk1*^{N222D}/J
- Pcsk2*^{tm1Dfs}
- 002963 B6;129-*Pcsk2*^{tm1Dfs}/J
- Pparg*^{tm1Rev}
- 006142 B6.129S4-*Pparg*^{tm1Rev}/J
- Rag1*^{tm1Mom} *Ins2*^{Akita}
- 004369 B6.Cg-*Rag1*^{tm1Mom} *Ins2*^{Akita}/J

Impaired Wound Healing

- Il4*^{tm1Cgn}
- 002574 NOD.129P2(B6)-*Il4*^{tm1Cgn}/Dvs
- 004222 NOD.129P2(B6)-*Il4*^{tm1Cgn}/DvsJ
- Il10*^{tm1Cgn}
- 004266 NOD.Cg-*Il10*^{tm1Cgn}/DvsJ
- Lep*^{ob}
- 000632 B6.V-*Lep*^{ob}/J
- 000696 BKS.V-*Lep*^{ob}/J
- 004824 BTBR.V(B6)-*Lep*^{ob}/WiscJ
- Lep*^{ob} *Ldlr*^{tm1Her}
- ** 006906 B6.Cg-*Lep*^{ob} *Ldlr*^{tm1Her}/J
- Lepr*^{db}
- 006654 FVB.BKS(D)-*Lepr*^{db}/ChuaJ
- m Lepr*^{db}
- 000697 B6.Cg-*m* +/+ *Lepr*^{db}/J
- 000699 B6.Cg-*m Lepr*^{db}/+ +/J
- 000642 BKS.Cg-*m* +/+ *Lepr*^{db}/J
- 000700 BKS.Cg-*m Lepr*^{db}/+ +/J
- 000707 CBA.Cg-*m Lepr*^{db}/+ +/J
- m Lepr*^{db} *Myo15*^{sh2-J}
- 002048 B6 x C57BLKS-*m Lepr*^{db} *Myo15*^{sh2-J}/J

- m Lepr*^{db} *Qkqk-2J*
- 005089 B.Cg *m* +/+ *Lepr*^{db}-*Qkqk-2J*/J
- mea*^l *Lepr*^{db} *m*
- 001192 BKS.Cg-*mea*^l *Lepr*^{db} +/+ + *m*/J

Insulin Receptors and Growth Factors

- Cyb5r4*^{tm1Hfb}
- 005517 B6.129S4-*Cyb5r4*^{tm1Hfb}/HfbJ
- 005516 C.129S4-*Cyb5r4*^{tm1Hfb}/HfbJ
- Gast*^{tm1(INS)Ez}
- * 006411 B6.129-*Gast*^{tm1(INS)Ez}/J
- Il4ra*^{tm1Tch}
- 007680 C.129X1-*Il4ra*^{tm1Tch}/J
- Ins1*^{tm1Jja}
- 005035 NOD.129S2(B6)-*Ins1*^{tm1Jja}/GseJ
- Ins2*
- 005522 NOD-Tg(*Ins2**Y16A)1Ell/GseJ
- 005523 NOD-Tg(*Ins2**Y16A)3Ell/GseJ
- Ins2 Ins1*^{tm1Jja} *Ins2*^{tm1Jja}
- 005524 NOD.Cg-Tg(*Ins2**Y16A)1Ell *Ins1*^{tm1Jja} *Ins2*^{tm1Jja}/GseJ
- 005525 NOD.Cg-Tg(*Ins2**Y16A)3Ell *Ins1*^{tm1Jja} *Ins2*^{tm1Jja}/GseJ
- Ins2*^{Akita}
- 003548 C57BL/6-*Ins2*^{Akita}/J
- ** 007562 D2.B6-*Ins2*^{Akita}/MatbJ
- * 006867 FVB.B6-*Ins2*^{Akita}/MlnJ
- Ins2*^{Akita} *Bdkrb2*^{tm1Jfh}
- ** 006860 B6.129-*Ins2*^{Akita} *Bdkrb2*^{tm1Jfh}/SmiJ
- Ins2*^{Akita} *Ldlr*^{tm1Her}
- ** 006580 B6.Cg-*Ins2*^{Akita} *Ldlr*^{tm1Her}/J
- Ins2*^{tm1Jja}
- 005036 NOD.129S2(B6)-*Ins2*^{tm1Jja}/GseJ
- Insig1*^{tm1Mbjg} *Insig2*^{tm1Mbjg}
- * 005939 B6;129S6-*Insig1*^{tm1Mbjg} *Insig2*^{tm1Mbjg}/J
- Insr*^{tm1Dac}
- 002939 B6.129S4-*Insr*^{tm1Dac}/J
- 002426 B6;129S4-*Insr*^{tm1Dac}/J
- IRS1*
- 003268 FVB-Tg(*IRS1*)1Mhlep/J
- Irs2*^{tm1Mfw}
- 004421 B6;129-*Irs2*^{tm1Mfw}/J

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<i>Irs3^{tm1Lhd}</i>	
003900	B6;129- <i>Irs3^{tm1Lhd}/J</i>
<i>Irs4^{tm1Lhd}</i>	
003901	B6;129- <i>Irs4^{tm1Lhd}/J</i>
<i>Rag1^{tm1Mom} Ins2^{Akita}</i>	
004369	B6.Cg- <i>Rag1^{tm1Mom} Ins2^{Akita}/J</i>
<i>Scd1^{tm1Ntam}</i>	
006201	B6.129- <i>Scd1^{tm1Ntam}/J</i>
<i>Scd2^{tm1Myz}</i>	
* 006879	B6.129- <i>Scd2^{tm1Myz}/J</i>
<i>Sirt1^{tm1Ygu}</i>	
** 008041	B6;129- <i>Sirt1^{tm1Ygu}/J</i>

Insulin Resistance

<i>A^y</i>	
000021	B6.Cg- <i>A^y/J</i>
<i>Akt2^{tm1.1Mbb}</i>	
** 006966	B6.Cg- <i>Akt2^{tm1.1Mbb}/J</i>
<i>Akt2^{tm1.1Mbb} Ldlr^{tm1Her}</i>	
** 006952	B6.Cg- <i>Akt2^{tm1.1Mbb} Ldlr^{tm1Her}/J</i>
<i>Apoa2^{tm1Bres}</i>	
* 006258	B6;129S4- <i>Apoa2^{tm1Bres}/J</i>
<i>Apoa4^{tm1Bres}</i>	
* 006404	B6;129S4- <i>Apoa4^{tm1Bres}/J</i>
<i>Apob^{tm1.1Zc}</i>	
007682	B6.129X1- <i>Apob^{tm1.1Zc}/J</i>
007683	CBYJ.129X1(Cg)- <i>Apob^{tm1.1Zc}/J</i>
* 007679	SWR.129X1(B6)- <i>Apob^{tm1.1Zc}/J</i>
<i>Cpe^{fat}</i>	
003923	B6.HRS(BKS)- <i>Cpe^{fat}/J</i>
002391	BKSChpLt.HRS- <i>Cpe^{fat}/J</i>
003774	CAST.HRS(BKS)- <i>Cpe^{fat}/Jng</i>
<i>DGAT2</i>	
** 006781	C57BL/6-Tg(Ckm-DGAT2)10Far/J
<i>Insig1^{tm1Mbjg} Insig2^{tm1Mbjg}</i>	
* 005939	B6;129S6- <i>Insig1^{tm1Mbjg} Insig2^{tm1Mbjg}/J</i>
<i>Insr^{tm1Dac}</i>	
002939	B6.129S4- <i>Insr^{tm1Dac}/J</i>
002426	B6;129S4- <i>Insr^{tm1Dac}/J</i>

<i>Lep^{ob}</i>	
000632	B6.V- <i>Lep^{ob}/J</i>
000696	BKS.V- <i>Lep^{ob}/J</i>
004824	BTBR.V(B6)- <i>Lep^{ob}/WisCJ</i>
<i>Lep^{ob} Ldlr^{tm1Her}</i>	
** 006906	B6.Cg- <i>Lep^{ob} Ldlr^{tm1Her}/J</i>
<i>Lepr^{db}</i>	
006654	FVB.BKS(D)- <i>Lepr^{db}/ChuaJ</i>
<i>Lepr^{db-3J}</i>	
000709	129P3/J- <i>Lepr^{db-3J}/J</i>
<i>Lpin1^{fld-2J}</i>	
003401	C3H/HeJ- <i>Lpin1^{fld-2J}/J</i>
<i>m Lepr^{db}</i>	
000697	B6.Cg- <i>m +/+ Lepr^{db}/J</i>
000699	B6.Cg- <i>m Lepr^{db}/+ +/J</i>
000642	BKS.Cg- <i>m +/+ Lepr^{db}/J</i>
000700	BKS.Cg- <i>m Lepr^{db}/+ +/J</i>
000707	CBA.Cg- <i>m Lepr^{db}/+ +/J</i>
<i>m Lepr^{db} Myo15^{sh2-J}</i>	
002048	B6 x C57BLKS- <i>m Lepr^{db} Myo15^{sh2-J}/J</i>
<i>m Lepr^{db} Qk^{qk-2J}</i>	
005089	B.Cg <i>m +/+ Lepr^{db}-Qk^{qk-2J}/J</i>
<i>mea^J Lepr^{db} m</i>	
001192	BKS.Cg- <i>mea^J Lepr^{db} +/+ + m/J</i>
<i>Nos1^{tm1Plh}</i>	
002986	B6.129S4- <i>Nos1^{tm1Plh}/J</i>
002633	B6;129S4- <i>Nos1^{tm1Plh}/J</i>
<i>Nos3^{tm1Unc}</i>	
002684	B6.129P2- <i>Nos3^{tm1Unc}/J</i>
<i>SREBF1</i>	
003393	B6;SJL-Tg(aP2-SREBF1c)9884Reh/J
• diet-induced	
<i>Dta</i>	
002384	FVB/N-Tg(UcpDta)1Kz/J
<i>Ucp2^{tm1Lowl}</i>	
005934	B6.129S4- <i>Ucp2^{tm1Lowl}/J</i>
• males	
<i>Apoa2</i>	
002244	C57BL/6J-Tg(Apoa2)1Lus/J
<i>H2^b</i>	
000438	C3.SW- <i>H2^b/SnJ</i>

Mouse Models for Diabetes and Obesity Research

View JAX® Research Models for Diabetes and Obesity Research at www.jax.org/jaxmice/research/diabetes_obesity

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Inbred Strain

000654 CBA/CaJ

• more severe

A^y

002468 KK.Cg-*A^y*/J

Lep^{db}

006654 FVB.BKS(D)-*Lep^{db}*/ChuaJ

Islet Transplantation Studies

B2m^{tm1Unc}

002309 NOD.129P2(B6)-*B2m^{tm1Unc}*/J

B2m^{tm1Unc} Ciita^{tm1Ccum}

005356 NOD.129(B6)-*B2m^{tm1Unc} Ciita^{tm1Ccum}*/BhsJ

Rag1^{tm1Mom} H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1

* 006024 NOD.Cg-*Rag1^{tm1Mom} H2-Ab1^{tm1Gru}*
Tg(CD4,HLA-DQA1,HLA-DQB1)N8EII/ElIj

Prkdc^{scid} CD86

** 007840 NOD.Cg-*Prkdc^{scid}* Tg(Ins2-CD86)12B70Flv/FswJ

Cd38^{tm1Lnd} Prkdc^{scid}

005345 NOD.Cg-*Cd38^{tm1Lnd} Prkdc^{scid}*/LtJ

Cyb5r4^{tm1Hfb}

005517 B6.129S4-*Cyb5r4^{tm1Hfb}*/HfbJ

005516 C.129S4-*Cyb5r4^{tm1Hfb}*/HfbJ

Il4^{tm1Cgn}

002574 NOD.129P2(B6)-*Il4^{tm1Cgn}*/Dvs

004222 NOD.129P2(B6)-*Il4^{tm1Cgn}*/DvsJ

Il10^{tm1Cgn}

004266 NOD.Cg-*Il10^{tm1Cgn}*/DvsJ

Ins2^{Akita}

003548 C57BL/6-*Ins2^{Akita}*/J

** 007562 D2.B6-*Ins2^{Akita}*/MatbJ

* 006867 FVB.B6-*Ins2^{Akita}*/MlnJ

Ins2^{Akita} Bdkrb2^{tm1Jfh}

** 006860 B6.129-*Ins2^{Akita} Bdkrb2^{tm1Jfh}*/SmiJ

Ins2^{Akita} Ldlr^{tm1Her}

** 006580 B6.Cg-*Ins2^{Akita} Ldlr^{tm1Her}*/J

Prkdc^{scid}

001303 NOD.CB17-*Prkdc^{scid}*/J

Prkdc^{scid} Emv30^b B2M HLA-A H2-D

* 006605 NOD.Cg-*Prkdc^{scid} Emv30^b*
Tg(HLA-A/H2-D/B2M)1Dvs/DvsJ

Prkdc^{scid} HLA-A

006609 NOD.Cg-*Prkdc^{scid}* Tg(HLA-A2.1)1Enge/DvsJ

Rag1^{tm1Mom}

003729 NOD.129S7(B6)-*Rag1^{tm1Mom}*/J

Rag1^{tm1Mom} Cd80^{tm1Shr}

004673 NOD.129(B6)-*Rag1^{tm1Mom} Cd80^{tm1Shr}*/JbsJ

Rag1^{tm1Mom} H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1

* 006024 NOD.Cg-*Rag1^{tm1Mom} H2-Ab1^{tm1Gru}*
Tg(CD4,HLA-DQA1,HLA-DQB1)N8EII/ElIj

Rag1^{tm1Mom} Ins2^{Akita}

004369 B6.Cg-*Rag1^{tm1Mom} Ins2^{Akita}*/J

Thy1^a

002721 NOD.NON-*Thy1^a*/J

004483 NOD.NON-*Thy1^a*/1LtJ

Obesity With Diabetes

A^y

000021 B6.Cg-*A^y*/J

002468 KK.Cg-*A^y*/J

A^y Slc7a11^{su1}

005505 B6.Cg-*A^y Slc7a11^{su1}*/LmLlp

cre

005965 STOCK Tg(Pomc1-cre)16Lowl/J

Lep^{ob}

** 006906 B6.Cg-*Lep^{ob} Ldlr^{tm1Her}*/J

000632 B6.V-*Lep^{ob}*/J

000696 BKS.V-*Lep^{ob}*/J

004824 BTBR.V(B6)-*Lep^{ob}*/WiscJ

Lep^{db}

006654 FVB.BKS(D)-*Lep^{db}*/ChuaJ

Lep^{db-3J}

000709 129P3/J-*Lep^{db-3J}*/J

Lep^{db-9J}

006846 STOCK *Lep^{db-9J}*/Jgn

m Lep^{db}

000697 B6.Cg-*m +/+ Lep^{db}*/J

000699 B6.Cg-*m Lep^{db}/+ +/J*

000642 BKS.Cg-*m +/+ Lep^{db}*/J

000700 BKS.Cg-*m Lep^{db}/+ +/J*

000707 CBA.Cg-*m Lep^{db}/+ +/J*

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m Lep^{rdb} Qk^{qk-2J}
005089 B.Cg *m* +/+ *Lep^{rdb}-Qk^{qk-2J}/J*

m Lep^{rdb} Myo15^{sh2-J}
002048 B6 x C57BLKS-*m Lep^{rdb} Myo15^{sh2-J}/J*

Mc4r^{tm1Lowl} cre
** 006414 B6;129S4-*Mc4r^{tm1Lowl}/J*

mea^l Lep^{rdb} m
001192 BKS.Cg-*mea^l Lep^{rdb} +/+ + m/J*

• adult onset

Cpe^{fat}
003923 B6.HRS(BKS)-*Cpe^{fat}/J*
002391 BKSChpLt.HRS-*Cpe^{fat}/J*
003774 CAST.HRS(BKS)-*Cpe^{fat}/Jng*

Tub^{tub}
000562 B6(Cg)-*Tub^{tub}/J*
004176 BKS.B6-*Tub^{tub}/Jng*
003711 CAST.B6-*Tub^{tub}/Jng*

• diet-induced

Dta
002384 FVB/N-Tg(UcpDta)1Kz/J

Ldlr^{tm1Her}
002207 B6.129S7-*Ldlr^{tm1Her}/J*

• diet-induced, resistant

Dgat1^{tm1Far}
003824 B6.129S4-*Dgat1^{tm1Far}/J*

• males

Inbred Strains
000654 CBA/CaJ
005067 NZL/LtJ

• moderate, males

Recombinant Congenic Strain
004456 NONcNZO10/LtJ

• suppression of A^Y-induced obesity

Atrn^{mg}
000289 LDJ/LeJ

Atrn^{mg-3J}
000069 C3HeB/FeJ-*Atrn^{mg-3J}/J*

Atrn^{mg-6J}
004135 C3Sn.CAST-*Atrn^{mg-6J}/J*

Obesity Without Diabetes

A^Y
000017 B6.C3Fe-*A^Y/J*
000099 C3HeB/FeJ-*A^Y/J*

APOC3
* 006907 B6;CBA-Tg(APOC3)3707Bres/J

Brs3^{tm1Jfb}
004366 B6.129X1-*Brs3^{tm1Jfb}/J*

cre
005965 STOCK Tg(Pomc1-cre)16Lowl/J

Mc4r^{tm1Lowl} cre
** 006414 B6;129S4-*Mc4r^{tm1Lowl}/J*

Pcsk1^{N222D}
* 006699 C57BL/6J-*Pcsk1^{N222D}/J*

Pcsk1^{tm1Dfs}
006327 STOCK *Pcsk1^{tm1Dfs}/J*

Pomc^{tm1Low}
003191 B6.129S2-*Pomc^{tm1Low}/J*

Pomc^{tm2Utc}
008115 B6.129X1-*Pomc^{tm2Utc}/J*

Rai1^{tm1Jrl}
005981 B6.129S7-*Rai1^{tm1Jrl}/J*

Tnks2^{tm1.1Yjc}
* 006200 B6.Cg-*Tnks2^{tm1.1Yjc}/J*

• adult onset

Itgam^{tm1Myd}
003991 B6.129S4-*Itgam^{tm1Myd}/J*

• adult onset, moderate

Grpr^{tm1Jfb}
003126 B6.129X1-*Grpr^{tm1Jfb}/J*

Htr2c^{tm1Jul}
002627 B6.129-*Htr2c^{tm1Jul}/J*

• diet-induced

Apoe^{tm1Unc}
002052 B6.129P2-*Apoe^{tm1Unc}/J*

h1b349A
005689 B6;129S1-*h1b349A/J*

Ppara^{tm1Gonz}
003580 129S4/SvJae-*Ppara^{tm1Gonz}/J*

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** 008154 B6.129S4-*Ppara*^{tm1Gonz/J}

Ppard^{tm1Rev}

005897 B6.129S4-*Ppard*^{tm1Rev/J}

Ppard^{tm2Rev}

005901 B6.129S4-*Ppard*^{tm2Rev/J}

Inbred Strain

000687 SM/J

• diet-induced, resistant

Cav1^{tm1Mls}

004585 STOCK *Cav1*^{tm1Mls/J}

Plin^{tm1Chan}

003870 B6.129-*Plin*^{tm1Chan/J}

• females

Recombinant Congenic Strains

004455 NONcNZO5/LtJ (control for NONcNZO10/LtJ)

004456 NONcNZO10/LtJ

• induced

Tnf^{tm1Gkl}

005540 B6.129S-*Tnf*^{tm1Gkl/J}

003008 B6;129S-*Tnf*^{tm1Gkl/J}

• leptin hypersensitive

Npy^{tm1Rpa}

004545 129S-*Npy*^{tm1Rpa/J}

Pancreatic B Cell Adenomas

Men1^{tm1Cre}

005109 129S(FVB)-*Men1*^{tm1.2Cre/J}

Men1^{tm1.1Cre}

004066 FVB;129S-*Men1*^{tm1.1Cre/J}

TAg

002033 NOD/ShiLt-Tg(RipTAg)1Lt/J

TAg *Prkdc*^{scid}

002380 NOD.Cg-Tg(Ins2-TAg)1Lt *Prkdc*^{scid}/DvsJ

Type 1 Diabetes (IDDM)

Casp1^{tm1Sesh}

004947 NOD.129S2(B6)-*Casp1*^{tm1Sesh/LtJ}

Cd28^{tm1Mak}

004761 NOD.129S2(B6)-*Cd28*^{tm1Mak/JbsJ}

Cd38^{tm1Lnd}

003727 B6.129P2-*Cd38*^{tm1Lnd/J}

004311 NOD.129P2(B6)-*Cd38*^{tm1Lnd/LtJ}

Cd38^{tm1Lnd} *Art2a*^{tm1Fkn} *Art2b*^{tm1Fkn}

005347 NOD.129(B6)-*Cd38*^{tm1Lnd} *Art2a*^{tm1Fkn} *Art2b*^{tm1Fkn/Lt}

Cd38^{tm1Lnd} *Prkdc*^{scid}

005345 NOD.Cg-*Cd38*^{tm1Lnd} *Prkdc*^{scid}/LtJ

Cd80

006778 NOD/ShiLt-Tg(GFAP-Cd80)9Mdos/MdosJ

Cd86^{tm1Shr}

004762 NOD.129S4-*Cd86*^{tm1Shr/JbsJ}

Cd274

* 006777 NOD/ShiLt-Tg(Ins2-*Cd274*)2Mdos/MdosJ

DDAH1

005863 C57BL/6J-Tg(ACTB-*DDAH1*)1Jpck/J

Gast^{tm1(INS)Ez}

* 006411 B6.129-*Gast*^{tm1(INS)Ez/J}

GP

005500 B6.C-Tg(Ins2-GP)34-20Olds/MvhJ

Ica1^{tm1Mdos}

005080 NOD.129-*Ica1*^{tm1Mdos}/MdosJ

Ifngr2^{tm1Pbro}

004352 NOD.129S1(B6)-*Ifngr2*^{tm1Pbro}/DvsJ

Igh-6 *Igh-V*

005019 NOD.Cg-Tg(Igh-6/Igh-V125)2Jwt/JwtJ

005020 NOD-Tg(Igh-6/Igh-V281)3Jwt/JwtJ

Igh-6^{tm1Cgn}

004639 NOD.129S2(B6)-*Igh-6*^{tm1Cgn}/DoiJ

Igh-6^{tm1Cgn} *Igh-V* *Igh-6*

005309 NODCaj.Cg-*Igh-6*^{tm1Cgn}

Tg(Igh-VB1-8/Igh-6)2Mjisk/FswJ

005306 NODCaj.Cg-*Igh-6*^{tm1Cgn}

Tg(Igh-VB1-8/Igh-6m)1Mjisk/FswJ

Igk-C *Igk-V*

005018 NOD.Cg-Tg(Igk-C/Igk-V125)1Jwt/JwtJ

Ins1^{tm1Jja}

005035 NOD.129S2(B6)-*Ins1*^{tm1Jja}/GseJ

Ins2 *Ins1*^{tm1Jja} *Ins2*^{tm1Jja}

005524 NOD.Cg-Tg(Ins2*Y16A)1Ell *Ins1*^{tm1Jja} *Ins2*^{tm1Jja}/GseJ

005525 NOD.Cg-Tg(Ins2*Y16A)3Ell *Ins1*^{tm1Jja} *Ins2*^{tm1Jja}/GseJ

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<i>Ins2^{tm1Jja}</i>		<i>Idd3^{CZECHI/Eij}</i>	
005036	NOD.129S2(B6)- <i>Ins2^{tm1Jja}/GseJ</i>	007933	NOD.CZI- <i>Idd3^{CZECHI/Eij}/MrkTacJ</i>
<i>NP</i>		<i>Ins2</i>	
004826	B6.Cg-Tg(Ins2-NP)25-3Olds/MhvJ	005739	NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ
004827	C.Cg-Tg(Ins2-NP)25-3Olds/MvhJ		
<i>Prkdc^{scid} CSF2 IL3 KITLG</i>		<i>Prkdc^{scid} H2-Ab1^{tm1Doi} HLA-DQA1 HLA-DQB1</i>	
004644	NOD.Cg <i>Prkdc^{scid}</i> -Tg(CSF2)2Ygy Tg(IL3)1Ygy Tg(KITLG)3Ygy/YgyJ	004606	NOD.Cg- <i>Prkdc^{scid} H2-Ab1^{tm1Doi}</i> Tg(HLA-DQA1,HLA-DQB1)1Dv/SzJ
<i>Rag1^{tm1Mom} Cd80^{tm1Shr}</i>		<i>Tnfsf4^{tm1Shr}</i>	
004673	NOD.129(B6)- <i>Rag1^{tm1Mom} Cd80^{tm1Shr}/JbsJ</i>	005075	NOD.129(B6)- <i>Tnfsf4^{tm1Shr}/DoiJ</i>
<i>Rag1^{tm1Mom} Cd86^{tm2Shr} Cd80^{tm1Shr}</i>		Congenetic Strains	
005273	NOD.Cg- <i>Rag1^{tm1Mom} Cd86^{tm2Shr} Cd80^{tm1Shr}/JbsJ</i>	** 008061	NOD.L-(<i>D7Mit253-D7Mit242</i>)/McdfJ
<i>Stat4^{tm1Gru}</i>		008053	NOD.L-(<i>D11Mit314-D11Mit42</i>)/McdfJ
004671	NOD.129S2- <i>Stat4^{tm1Gru}/JbsJ</i>	Consomic Strains	
<i>Stat6^{tm1Gru}</i>		** 008062	NOD-Chr 1 ^{NZM2328} /McdfJ
004672	NOD.129S2(Cg)- <i>Stat6^{tm1Gru}/JbsJ</i>	** 008064	NOD-Chr 4 ^{NZM2328} /McdfJ
<i>tTA</i>		008063	NOD-Chr 17 ^{NZM2328} /McdfJ
004937	NOD.Cg-Tg(Ins2-tTA)1Doi/DoiJ	• Congenics with mutations affecting cytokine production by autoreactive T cells	
Congenetic Strains		<i>Il4^{tm1Cgn}</i>	
004482	NOD.B6-(<i>D6Mit254-D6Mit339</i>)/CarJ	002574	NOD.129P2(B6)- <i>Il4^{tm1Cgn}/Dvs</i>
005616	NOD.C-(<i>Ptprc-D1Mit262</i>)/WehiJ	004222	NOD.129P2(B6)- <i>Il4^{tm1Cgn}/DvsJ</i>
• resistant		<i>Il10^{tm1Cgn}</i>	
<i>B2m^{tm1Unc} Ciita^{tm1Ccum}</i>		004266	NOD.Cg- <i>Il10^{tm1Cgn}/DvsJ</i>
005356	NOD.129(B6)- <i>B2m^{tm1Unc} Ciita^{tm1Ccum}/BhsJ</i>	<i>Il10^{tm1Cgn} Casp1^{tm1Sesh}</i>	
<i>Cd4^{tm1Knw}</i>		005346	NOD.Cg- <i>Il10^{tm1Cgn} Casp1^{tm1Sesh}/LtJ</i>
003090	NOD.129S6(B6)- <i>Cd4^{tm1Knw}/DvsJ</i>	<i>Vdr^{tm1Ska}</i>	
<i>Cd8a^{tm1Mak}</i>		* 006956	NOD.Cg- <i>Vdr^{tm1Ska}/CmatJ</i>
005513	NOD.129S2(B6)- <i>Cd8a^{tm1Mak}/DvsJ</i>	• MODY, mature onset diabetes of the young	
<i>Cd74^{tm1Doi}</i>		<i>Cyb5r4^{tm1Hfb}</i>	
** 008224	NOD.129S2(B6)- <i>Cd74^{tm1Doi}/LwnJ</i>	005517	B6.129S4- <i>Cyb5r4^{tm1Hfb}/HfbJ</i>
<i>Cd80</i>		005516	C.129S4- <i>Cyb5r4^{tm1Hfb}/HfbJ</i>
** 007769	NOD.FVB-Tg(Igh-6-Cd80)1Gjf/JbsJ	<i>Ins2^{Akita}</i>	
<i>Fas^{gld}</i>		003548	C57BL/6- <i>Ins2^{Akita}/J</i>
** 008223	NOD.C3(B6)- <i>Fas^{gld}/LwnJ</i>	** 007562	D2.B6- <i>Ins2^{Akita}/MatbJ</i>
<i>H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1</i>		* 006867	FVB.B6- <i>Ins2^{Akita}/MlnJ</i>
* 006023	NOD.Cg- <i>H2-Ab1^{tm1Gru}</i> Tg(CD4,HLA-DQA1,HLA-DQB1)N8Ell/EllJ	<i>Ins2^{Akita} Bdkrb2^{tm1Jfh}</i>	
<i>Idd3^{C57BL/6}</i>		** 006860	B6.129- <i>Ins2^{Akita} Bdkrb2^{tm1Jfh}/SmiJ</i>
** 007934	NOD.B6(PL)- <i>Idd3^{C57BL/6}/MrkTacJ</i>	<i>Ins2^{Akita} Ldlr^{tm1Her}</i>	
		** 006580	B6.Cg- <i>Ins2^{Akita} Ldlr^{tm1Her}/J</i>
		<i>Rag1^{tm1Mom} Ins2^{Akita}</i>	
		004369	B6.Cg- <i>Rag1^{tm1Mom} Ins2^{Akita}/J</i>

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Type 1 Diabetes (IDDM) Analysis Strains

Art2a^{tm1Fkn} Art2b^{tm1Fkn}
** 008252 NOD.129S4(B6)-*Art2a^{tm1Fkn} Art2b^{tm1Fkn}*/LtJ

Foxp3^{sf}
* 006775 NOD.Cg-*Foxp3^{sf}*/DoiJ

Gast^{tm1(INS)Ez}
* 006411 B6.129-*Gast^{tm1(INS)Ez}*/J

Il4^{tm1Lky}
* 006698 NOD.Cg-*Il4^{tm1Lky}*/JbsJ

Rag1^{tm1Mom} Cd80^{tm1Shr}
004673 NOD.129(B6)-*Rag1^{tm1Mom} Cd80^{tm1Shr}*/JbsJ

• NOD Congenics with Mutations Affecting Cytokine Production by Autoreactive T Cells

Ctla4
002980 C57BL/6-Tg(Cd152lg)1Jbs/J

Ctla4^{tm1All}
005144 NOD.129(B6)-*Ctla4^{tm1All}*/DoiJ

Ifng^{tm1Ts}
002575 NOD.129S7(B6)-*Ifng^{tm1Ts}*/DvsJ

Il10^{tm1Cgn}
004266 NOD.Cg-*Il10^{tm1Cgn}*/DvsJ

Il10^{tm1Cgn} Casp1^{tm1Sesh}
005346 NOD.Cg-*Il10^{tm1Cgn} Casp1^{tm1Sesh}*/LtJ

Il10^{tm1Cgn} Il4^{tm1Cgn}
004291 NOD.Cg-*Il10^{tm1Cgn} Il4^{tm1Cgn}*/DvsJ

Il1r1^{tm1Roml}
005078 NOD.Cg-*Il1r1^{tm1Roml}*/HetJ

Il4^{tm1Cgn}
002574 NOD.129P2(B6)-*Il4^{tm1Cgn}*/Dvs
004222 NOD.129P2(B6)-*Il4^{tm1Cgn}*/DvsJ
004291 NOD.Cg-*Il10^{tm1Cgn} Il4^{tm1Cgn}*/DvsJ

Prf1^{tm1Sdz}
003505 NOD.B6-*Prf1^{tm1Sdz}*/J

Stat6^{tm1Gru}
004672 NOD.129S2(Cg)-*Stat6^{tm1Gru}*/JbsJ

• NOD Congenics with Mutations Affecting Immunocompetence

B2m^{tm1Unc}
002309 NOD.129P2(B6)-*B2m^{tm1Unc}*/J

B2m^{tm1Unc} Ciita^{tm1Ccum}
005356 NOD.129(B6)-*B2m^{tm1Unc} Ciita^{tm1Ccum}*/BhsJ

Cd38^{tm1Lnd} Prkdc^{scid}
005345 NOD.Cg-*Cd38^{tm1Lnd} Prkdc^{scid}*/LtJ

Fas^{lpr}
004519 NOD.MRL(C3)-*Fas^{lpr}*/DoiJ

H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1
006021 NOD.Cg-*H2-Ab1^{tm1Gru}*
Tg(CD2-CD4,HLA-DQA1,HLA-DQB1)1EII/ELLJ

Igh-6^{tm1Cgn} Igh-6 Igh-V
005309 NODCaj.Cg-*Igh-6^{tm1Cgn}*
Tg(Igh-VB1-8/Igh-6)2MjSk/FswJ
005306 NODCaj.Cg-*Igh-6^{tm1Cgn}*
Tg(Igh-VB1-8/Igh-6m)1MjSk/FswJ

Il4^{tm1Cgn}
002574 NOD.129P2(B6)-*Il4^{tm1Cgn}*/Dvs
004222 NOD.129P2(B6)-*Il4^{tm1Cgn}*/DvsJ

Il10^{tm1Cgn}
004266 NOD.Cg-*Il10^{tm1Cgn}*/DvsJ

Prkdc^{scid}
001303 NOD.CB17-*Prkdc^{scid}*/J

Prkdc^{scid} B2m^{tm1Unc}
002570 NOD.Cg-*Prkdc^{scid} B2m^{tm1Unc}*/J

Prkdc^{scid} CD80
004346 NOD.Cg-*Prkdc^{scid}* Tg(Ins2-CD80)3B7Flv/DvsJ

Prkdc^{scid} CD86
** 007840 NOD.Cg-*Prkdc^{scid}* Tg(Ins2-CD86)12B70Flv/FswJ

Prkdc^{scid} Emv30^b
002313 NOD.Cg-*Prkdc^{scid} Emv30^b*/Dvs

Prkdc^{scid} Emv30^b HLA-A H2-D B2M
* 006605 NOD.Cg-*Prkdc^{scid} Emv30^b*
Tg(HLA-A/H2-D/B2M)1Dvs/DvsJ

Prkdc^{scid} H2-Ab1^{tm1Doi} HLA-DQA1 HLA-DQB1
004606 NOD.Cg-*Prkdc^{scid} H2-Ab1^{tm1Doi}*
Tg(HLA-DQA1,HLA-DQB1)1Dv/SzJ

Prkdc^{scid} HLA-A
006609 NOD.Cg-*Prkdc^{scid}* Tg(HLA-A2.1)1Enge/DvsJ

Rag1^{tm1Mom}
003729 NOD.129S7(B6)-*Rag1^{tm1Mom}*/J

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Rag1^{tm1Mom} H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1
006022 NOD.Cg-*Rag1^{tm1Mom} H2-Ab1^{tm1Gru}*
Tg(CD2-CD4,HLA-DQA1,HLA-DQB1)1Ell/EllJ
* 006024 NOD.Cg-*Rag1^{tm1Mom} H2-Ab1^{tm1Gru}*
Tg(CD4,HLA-DQA1,HLA-DQB1)N8Ell/EllJ

Rag1^{tm1Mom} Tcra
004347 NOD.Cg-*Rag1^{tm1Mom} Tg(TcraAI4)1Dvs/DvsJ*

Rag1^{tm1Mom} Tcrb
004348 NOD.Cg-*Rag1^{tm1Mom} Tg(TcrbAI4)1Dvs/DvsJ*

Tcra Tcrb
004460 NOD.Cg-Tg(TcraBDC2.5)1Doi
Tg(TcrbBDC2.5)2Doi/DoiJ

Tcra^{tm1Mjo}
004444 NOD.129P2(C)-*Tcra^{tm1Mjo}/DoiJ*

• NOD/ShiLtJ MHC Congenics

H2^b
002591 NOD.B10Sn-*H2^b/J*

H2^{g7}
001627 NON.NOD-*H2^{g7}/LtJ*

H2^{h4}
004447 NOD.Cg-*H2^{h4}/DilTacUmmJ*

H2^{nb1}
001626 NOD.NON-*H2^{nb1}/LtJ*

H2^q
002032 NOD.SW-*H2^q/J*

Congenic Strains

006500 129.NOD-(D17Mit175-H2)/J
003059 B6.NOD-(D3Mit132-Tshb)/J
003062 B6.NOD-(D1Mit3-Bcl2)/J
003063 B6.NOD-(D6Mit54-D6Mit14)/J
003064 B6.NOD-(D2Mit274-D2Mit343)/J
003065 B6.NOD-(Csf2-D11Mit42)/J
003066 B6.NOD-(D6Mit54-D6Mit14) (D17Mit21-D17Mit10)/J
003067 B6.NOD-(D3Mit132-Tshb) (D17Mit21-D17Mit10)/J
003068 B6.NOD-(Csf2-D11Mit42) (D17Mit21-D17Mit10)/J
003069 B6.NOD-(D1Mit3-Bcl2) (D17Mit21-D17Mit10)/LtJ
003071 B6.NOD-(D1Mit5.1-D1Mit15) (D17Mit21-D17Mit10)/J
003866 B6.NOD-(D1Mit5.1-D1Mit15)/J
003867 B6.NOD-(D1Mit5.1-D1Mit159)/LtJ
004308 NOD.ALR-(D17Mit16-H2-D)/LtJ
004309 NOD.ALR-(D17Mit16-D17Mit10)/LtJ
005311 NOD.B6-(D1Mit18-D1Mit445)
(D11Nds1-D11Mit41)/DelJ
005312 NOD.B6-(D1Mit18-D1Jmp12)
(D11Mit325-D11Mit41)/DelJ

005313 NOD.B6-(D1Mit180-D1Mit143)
(D11Mit38-D11Mit41)/DelJ

002347 NOR.NOD-(III-Ada)/LtJ

• NOD/ShiLtJ Non-MHC Congenics

CFP

* 006784 STOCK Tg(Ins1-ECFP)24Hara/J

Ciita^{tm1Ccum}

004448 NOD.129S2(B6)-*Ciita^{tm1Ccum}/FlvJ*

DsRed

** 006872 B6.Cg-Tg(Ins1-DsRed*T4)32Hara/J

* 006866 STOCK Tg(Ins1-DsRed*T4)32Hara/J

Fas^{lpr}

004519 NOD.MRL(C3)-*Fas^{lpr}/DoiJ*

Fas^{gld}

** 008223 NOD.C3(B6)-*Fas^{gld}/LwnJ*

GFP

** 006864 B6.Cg-Tg(Ins1-EGFP)1Hara/J

** 008173 NOD.Cg-Tg(Ins1-EGFP)1Hara/QtnngJ

Hc¹

004306 NOD.CBALs-*Hc¹/LtJ*

Idd3^{A/J}

007931 NOD.A-*Idd3^{A/J}/MrkJ*

Idd3^{C57BL/6}

** 007934 NOD.B6(PL)-*Idd3^{C57BL/6}/MrkTacJ*

Idd3^{CAST/Eij}

007932 NOD.CAST-*Idd3^{CAST/Eij}/MrkJ*

Idd3^{CZECH/Eij}

007933 NOD.CZI-*Idd3^{CZECH/Eij}/MrkTacJ*

Idd3^{SWR/J}

007930 NOD.SWR-*Idd3^{SWR/J}/MrkJ*

Ins1^{tm1Jja}

005035 NOD.129S2(B6)-*Ins1^{tm1Jja}/GseJ*

Ins2

005739 NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ

004968 NOD/ShiLtDvs-Tg(Ins2-E3*734)3Dvs/DvsJ

Ins2 Ins1^{tm1Jja} Ins2^{tm1Jja}

005524 NOD.Cg-Tg(Ins2*Y16A)1Ell *Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ*

005525 NOD.Cg-Tg(Ins2*Y16A)3Ell *Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ*

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<i>Ins2^{Akita}</i>		<i>CALM1 TAg</i>			
003548	C57BL/6- <i>Ins2^{Akita}</i> /J	005564	FVB(Cg)-Tg(<i>Ins2-CALM1</i>)26Ove Tg(<i>Cryaa-TAg</i>)1Ove/PneJ		
**	007562	D2.B6- <i>Ins2^{Akita}</i> /MatbJ			
*	006867	FVB.B6- <i>Ins2^{Akita}</i> /MlnJ			
<i>Ins2^{Akita} Bdkrb2^{tm1Jfh}</i>		<i>Cat Tyr</i>			
**	006860	B6.129- <i>Ins2^{Akita} Bdkrb2^{tm1Jfh}</i> /SmiJ	005114	NOD.FVB-Tg(<i>Ins1-Cat,Tyr</i>)25Pne/PneJ	
<i>Ins2^{Akita} Ldlr^{tm1Her}</i>		<i>Ccl21b</i>			
**	006580	B6.Cg- <i>Ins2^{Akita} Ldlr^{tm1Her}</i> /J	006254	NOD.Cg-Tg(<i>Ins2-Ccl21b</i>)2Cys/JbsJ	
<i>Ins2^{tm1Jja}</i>		<i>Cd80</i>			
005036	NOD.129S2(B6)- <i>Ins2^{tm1Jja}</i> /GseJ	**	007769	NOD.FVB-Tg(<i>Igh-6-Cd80</i>)1Gjf/JbsJ	
<i>Rag1^{tm1Mom} Ins2^{Akita}</i>		006778	NOD/ShiLt-Tg(<i>GFAP-Cd80</i>)9Mdos/MdosJ		
004369	B6.Cg- <i>Rag1^{tm1Mom} Ins2^{Akita}</i> /J	<i>CD80</i>			
<i>Thy1^a</i>		005715	B6.Cg <i>H2^{s7}</i> -Tg(<i>Ins2-CD80</i>)3B7Flv/LwnJ		
004483	NOD.NON- <i>Thy1^a</i> /1LtJ	005713	C.Cg-Tg(<i>Ins2-CD80</i>)3B7Flv/LwnJ		
002721	NOD.NON- <i>Thy1^a</i> /J	005714	NOR.Cg-Tg(<i>Ins2-CD80</i>)3B7Flv/LwnJ		
<i>Tyr⁺</i>		<i>Cd274</i>			
004304	NOD.CBALs- <i>Tyr⁺</i> /LtJ	*	006777	NOD/ShiLt-Tg(<i>Ins2-Cd274</i>)2Mdos/MdosJ	
Consonic Strains		<i>cre</i>			
**	008062	NOD-Chr 1 ^{NZM2328} /McdfJ	005732	NOD.Cg-Tg(<i>Lck-cre</i>)548Jxm/AchJ	
**	008064	NOD-Chr 4 ^{NZM2328} /McdfJ	004986	NOD/ShiLt-Tg(<i>Ins2-cre</i>)3Lt/Lt	
008063	NOD-Chr 17 ^{NZM2328} /McdfJ	003855	NOD/ShiLt-Tg(<i>Ins2-cre</i>)5Lt/LtJ		
Congenetic Strains		004987	NOD/ShiLt-Tg(<i>Ins2-cre</i>)6Lt/Lt		
005352	NOD.129-(<i>D19Mit10-D19Mit54</i>)/GseJ	<i>Cxcl13</i>			
005353	NOD.129-(<i>D7Mit105-D7Mit223</i>)/GseJ	006154	NOD.Cg-Tg(<i>Ins2-Cxcl13</i>)1Cys/JbsJ		
005073	NOD.ABH-(<i>D18Mit19-D18Mit4</i>)/TrmJ	<i>DsRed</i>			
*	006809	NOD.B6-(<i>D11Nds1-D11Mit41</i>)/J	**	005328	NOD/ShiLt-Tg(<i>Cd4-DsRed</i>)4Lt/J
*	007573	NOD.B6-(<i>D6Mit254-D6Mit289</i>)/CarJ	<i>FADD GFP</i>		
004482	NOD.B6-(<i>D6Mit254-D6Mit339</i>)/CarJ	005076	NOD.Cg-Tg(<i>tetO-EGFP/FADD</i>)1Doi/DoiJ		
003585	NOD.B6-(<i>Gpi1-D7Mit346</i>)/LtJ	<i>Fas</i>			
005616	NOD.C-(<i>Ptprc-D1Mit262</i>)/WehiJ	005733	NOD/ShiLt-Tg(<i>Ins2-Fas*1246N</i>)1Ach/AchJ		
**	008056	NOD.L-(<i>Csf2-D11Mit339</i>)/McdfJ	<i>GAD2</i>		
**	008060	NOD.L-(<i>D11Mit314-D11Mit339</i>) (<i>D11Mit132-D11Mit42</i>)/McdfJ	005870	NOD/ShiLt(Cg)-Tg(<i>Ins2-GAD2</i>)2Lt/J	
**	008058	NOD.L-(<i>D11Mit364-D11Mit42</i>)/McdfJ	003074	NOD/ShiLt-Tg(<i>Ins2-GAD2</i>)1Lt/LtJ	
**	008061	NOD.L-(<i>D7Mit253-D7Mit242</i>)/McdfJ	<i>GFP</i>		
008053	NOD.L-(<i>D11Mit314-D11Mit42</i>)/McdfJ	**	008173	NOD.Cg-Tg(<i>Ins1-EGFP</i>)1Hara/QtnngJ	
005511	NOD.NOR-(<i>D1Mit380-D1Mit8</i>)/DvsJ	*	005334	NOD/ShiLt-Tg(<i>Cd4-EGFP</i>)1Lt/J	
002346	NOD.NOR-(<i>D2Mit490-Ada</i>)/LtJ	<i>GFP GH1</i>			
005510	NOD.NOR-(<i>D4Mit31-D4Mit310</i>)/DvsJ	005282	NOD/ShiLtJ-Tg(<i>Ins1-EGFP/GH1</i>)14Hara/HaraJ		
003051	NOD.NOR-(<i>Il1a-Pcna</i>)/LtJ	<i>H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1</i>			
003050	NOD.NOR-(<i>Zfp106-Il1a</i>)/LtJ	006021	NOD.Cg- <i>H2-Ab1^{tm1Gru}</i> Tg(<i>CD2-CD4,HLA-DQA1,HLA-DQB1</i>)1Ell/EllJ		
002347	NOR.NOD-(<i>Il1-Ada</i>)/LtJ	*	006023	NOD.Cg- <i>H2-Ab1^{tm1Gru}</i> Tg(<i>CD4,HLA-DQA1,HLA-DQB1</i>)N8Ell/EllJ	
• NOD Transgenics					
<i>B2m^{tm1Unc} HLA-A H2-D B2M</i>					
*	006611	NOD.129P2(B6)- <i>B2m^{tm1Unc}</i> Tg(<i>HLA-A/H2-D/B2M</i>)1Dvs/DvsJ			

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<i>H2-Ea</i>		<i>Prkdc^{scid} Emv30^b HLA-A H2-D B2M</i>	
002035	NOD/ShiLt-Tg(H2-Ea ^d)12Lt/J	* 006605	NOD.Cg- <i>Prkdc^{scid} Emv30^b</i> Tg(HLA-A/H2-D/B2M)1Dvs/DvsJ
002034	NOD/ShiLt-Tg(H2-Ea ^d)5Lt/J		
<i>H2-K</i>		<i>Prkdc^{scid} HLA-A</i>	
005853	NOD.Cg-Tg(HLA-A2/H2-K)1Scr/ShrmJ	006609	NOD.Cg- <i>Prkdc^{scid}</i> Tg(HLA-A2.1)1Enge/DvsJ
<i>HLA-A</i>		<i>Rag1^{tm1Mom} H2-Ab1^{tm1Gru} CD4 HLA-DQA1 HLA-DQB1</i>	
005512	NOD.B6-Tg(HLA-A2.1)1Enge/DvsJ	* 006024	NOD.Cg- <i>Rag1^{tm1Mom} H2-Ab1^{tm1Gru}</i> Tg(CD4,HLA-DQA1,HLA-DQB1)N8Ell/EllJ
<i>HLA-A H2-D B2M</i>		006022	NOD.Cg- <i>Rag1^{tm1Mom} H2-Ab1^{tm1Gru}</i> Tg(CD2-CD4,HLA-DQA1,HLA-DQB1)1Ell/EllJ
* 006604	NOD/ShiLtDvs-Tg(HLA-A/H2-D/B2M)1Dvs/J		
<i>HEL</i>		<i>Rag1^{tm1Mom} Tcra</i>	
* 006610	NOD.B6-Tg(ML5sHEL)5Ccg/DvsJ	004347	NOD.Cg- <i>Rag1^{tm1Mom}</i> Tg(TcraAI4)1Dvs/DvsJ
<i>Ica1 GFP</i>		<i>Rag1^{tm1Mom} Tcrb</i>	
005082	NOD/ShiLt-Tg(ACTB-Ica1/EGFP)18Mdos/MdosJ	004348	NOD.Cg- <i>Rag1^{tm1Mom}</i> Tg(TcrbAI4)1Dvs/DvsJ
<i>Igh Ighk</i>		<i>rtTA</i>	
* 006345	NOD.B6-Tg(IghelMD4)4Ccg/DvsJ	004602	NOD.Cg-Tg(Ins2-rtTA)2Doi/DoiJ
<i>Igh-6 Igh-V</i>		<i>SOD2</i>	
005020	NOD-Tg(Igh-6/Igh-V281)3Jwt/JwtJ	005113	NOD.FVB-Tg(INS-SOD2)3Pne/PneJ
005019	NOD.Cg-Tg(Igh-6/Igh-V125)2Jwt/JwtJ	<i>Tcra</i>	
<i>Igh-6^{tm1Cgn} Igh Ighk</i>		* 006303	NOD.FVB-Tg(TcraBDC12-4.1)10Jos/GseJ
* 006608	NOD.Cg- <i>Igh-6^{tm1Cgn}</i> Tg(IghelMD4)4Ccg/DvsJ	<i>Tcra Tcrb</i>	
<i>Igh-6^{tm1Cgn} Igh-6 Igh-V</i>		004460	NOD.Cg-Tg(TcraBDC2.5)1Doi Tg(TcrbBDC2.5)2Doi/DoiJ
005309	NODCaj.Cg- <i>Igh-6^{tm1Cgn}</i> Tg(Igh-VB1-8/Igh-6)2Mjks/FswJ	<i>Tcrb</i>	
005306	NODCaj.Cg- <i>Igh-6^{tm1Cgn}</i> Tg(Igh-VB1-8/Igh-6m)1Mjks/FswJ	006304	NOD.FVB-Tg(TcrbBDC12-4.1)82Gse/GseJ
<i>Igk-C Igk-V</i>		• Recombinant Congenic Strains	
005018	NOD.Cg-Tg(Igk-C/Igk-V125)1Jwt/JwtJ	002349	CBcNO6/LtJ
<i>Ins2</i>		003052	CBcNO7A/LtJ
005739	NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ	003053	CBcNO7B/LtJ
005522	NOD-Tg(Ins2*Y16A)1Ell/GseJ	003054	CBcNO7C/LtJ
005523	NOD-Tg(Ins2*Y16A)3Ell/GseJ	003055	CBcNO7D/LtJ
<i>Ins2 Ins1^{tm1Jja} Ins2^{tm1Jja}</i>		002348	NOcCB1/LtJ
005524	NOD.Cg-Tg(Ins2*Y16A)1Ell <i>Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ</i>		
005525	NOD.Cg-Tg(Ins2*Y16A)3Ell <i>Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ</i>		
<i>MT2A Tyr</i>		<i>A^y</i>	
005115	NOD.FVB-Tg(INS-MT2A,Tyr)1Pne/PneJ	000021	B6.Cg- <i>A^y/J</i>
<i>Prkdc^{scid} CD80</i>		<i>A-ZIP/F</i>	
004346	NOD.Cg- <i>Prkdc^{scid}</i> Tg(Ins2-CD80)3B7Flv/DvsJ	004100	FVB-Tg(AZIP/F)1Vsn/J
<i>Prkdc^{scid} CD86</i>		<i>Akt2^{tm1.1Mbb}</i>	
** 007840	NOD.Cg- <i>Prkdc^{scid}</i> Tg(Ins2-CD86)12B70Flv/FswJ	** 006966	B6.Cg- <i>Akt2^{tm1.1Mbb}/J</i>

Type 2 Diabetes (NIDDM)

<i>A^y</i>	
000021	B6.Cg- <i>A^y/J</i>
<i>A-ZIP/F</i>	
004100	FVB-Tg(AZIP/F)1Vsn/J
<i>Akt2^{tm1.1Mbb}</i>	
** 006966	B6.Cg- <i>Akt2^{tm1.1Mbb}/J</i>

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Akt2^{tm1.1Mbb} Ldlr^{tm1Her}
** 006952 B6.Cg-Akt2^{tm1.1Mbb} Ldlr^{tm1Her}/J

DGAT2
** 006781 C57BL/6-Tg(Ckm-DGAT2)10Far/J

Gck^{tm1Efr}
003316 B6.129P2-Gck^{tm1Efr}/J

Gck^{tm1Ts}
003264 B6.129S7-Gck^{tm1Ts}/J

Insr^{tm1Dac}
002939 B6.129S4-Insr^{tm1Dac}/J
002426 B6;129S4-Insr^{tm1Dac}/J

Irs2^{tm1Mfw}
004421 B6;129-Irs2^{tm1Mfw}/J

Lep^{ob}
000696 BKS.V-Lep^{ob}/J

Lep^{db}
006654 FVB.BKS(D)-Lep^{db}/ChuaJ

Lep^{db-3J}
000709 129P3/J-Lep^{db-3J}/J

Lep^{db-9J}
006846 STOCK Lep^{db-9J}/Jgn

m Lep^{db}
000642 BKS.Cg-m +/+ Lep^{db}/J
000700 BKS.Cg-m Lep^{db}/+ +/J

meal Lep^{db} m
001192 BKS.Cg-meal Lep^{db} +/+ + m/J

Mgat4a^{tm1xsm}
* 006894 B6;129-Mgat4a^{tm1xsm}/J

SREBF1
003393 B6;SJL-Tg(aP2-SREBF1c)9884Reh/J

Tub^{tub}
000562 B6(Cg)-Tub^{tub}/J
004176 BKS.B6-Tub^{tub}/Jng
003711 CAST.B6-Tub^{tub}/Jng

• adult onset

HTT

002810 B6CBA-Tg(HDexon1)62Gpb/1J
006494 B6CBA-Tg(HDexon1)62Gpb/3J

Inbred Strain

000654 CBA/CaJ (males)

• analysis strain

Consomic Strain

002110 C3.SW/Lt-Chr YC3HeB/FeChp/J

• diet-induced

Dta

002384 FVB/N-Tg(UcpDta)1Kz/J

Ucp2^{tm1Lowl}

005934 B6.129S4-Ucp2^{tm1Lowl}/J

• females transient

m Lep^{db}

000707 CBA.Cg-m Lep^{db}/+ +/J

• males

Cpe^{fat}

003923 B6.HRS(BKS)-Cpe^{fat}/J

002391 BKSChpLt.HRS-Cpe^{fat}/J

003774 CAST.HRS(BKS)-Cpe^{fat}/Jng

Inbred Strain

005067 NZL/LtJ

Recombinant Congenic Strain

004456 NONcNZO10/LtJ

• more severe

A^y

002468 KK.Cg-A^y/J

• pre-type 2

Consomic Strain

002111 C3.SW/Lt-Chr Y^{SW}/J

• transient

Lep^{ob}

000632 B6.V-Lep^{ob}/J

m Lep^{db}

000697 B6.Cg-m +/+ Lep^{db}/J

000699 B6.Cg-m Lep^{db}/+ +/J

Research Tools

Adrb3^{tm1Lowl}

006402 FVB/N-Adrb3^{tm1Lowl}/J

Akt2^{tm1.1Mbb}

** 006966 B6.Cg-Akt2^{tm1.1Mbb}/J

Akt2^{tm1.1Mbb} Ldlr^{tm1Her}

** 006952 B6.Cg-Akt2^{tm1.1Mbb} Ldlr^{tm1Her}/J

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<i>Apob^{tm1.1Zc}</i>		<i>GFP</i>	
	007682 B6.129X1- <i>Apob^{tm1.1Zc}/J</i>	**	006864 B6.Cg-Tg(Ins1-EGFP)1Hara/J
	007683 CByJ.129X1(Cg)- <i>Apob^{tm1.1Zc}/J</i>		006417 B6.FVB-Tg(Npy-hrGFP)1Lowl/J
*	007679 SWR.129X1(B6)- <i>Apob^{tm1.1Zc}/J</i>	*	006421 FVB-Tg(Pomc1-hrGFP)1Lowl/J
<i>APOC3</i>		**	008173 NOD.Cg-Tg(Ins1-EGFP)1Hara/QtnGj
*	006907 B6;CBA-Tg(APOC3)3707Bres/J	*	005334 NOD/ShiLt-Tg(Cd4-EGFP)1Lt/J
<i>Arntl^{tm1Weit} cre (loxP)</i>		<i>GFP FADD</i>	
*	007668 B6.129S4(Cg)- <i>Arntl^{tm1Weit}/J</i>		005076 NOD.Cg-Tg(tetO-EGFP/FADD)1Doi/DoiJ
<i>Bdnf^{tm3Jae} cre (loxP)</i>		<i>GFP GH1</i>	
	004339 STOCK <i>Bdnf^{tm3Jae}/J</i>		005282 NOD/ShiLtJ-Tg(Ins1-EGFP/GH1)14Hara/HaraJ
<i>Casp1^{tm1Sesh}</i>		<i>GP</i>	
	004947 NOD.129S2(B6)- <i>Casp1^{tm1Sesh}/LtJ</i>		005500 B6.C-Tg(Ins2-GP)34-20Olds/MvhJ
<i>CD80</i>		<i>Gt(ROSA)26Sor^{tm1(HBEGF)Awai} cre (loxP)</i>	
	005715 B6.Cg <i>H2⁸⁷</i> -Tg(Ins2-CD80)3B7Flv/LwnJ	**	007900 C57BL/6-Gt(ROSA)26Sor ^{tm1(HBEGF)Awai} /J
	005713 C.Cg-Tg(Ins2-CD80)3B7Flv/LwnJ	<i>HA</i>	
	005714 NOR.Cg-Tg(Ins2-CD80)3B7Flv/LwnJ		005534 B10.Cg- <i>H2^d</i> Tg(Ins2-HA)165Bri/ShrmJ
<i>CFP</i>			005533 C.Cg-Tg(Ins2-HA)165Bri/ShrmJ
*	006784 STOCK Tg(Ins1-ECFP)24Hara/J		005685 NOD.Cg-Tg(Ins2-HA)165Bri/ShrmJ
<i>Chat^{tm1(cre)Lowl} cre</i>		<i>Hc¹</i>	
	006410 B6;129S6- <i>Chat^{tm1(cre)Lowl}/J</i>		004306 NOD.CBALs- <i>Hc¹/LtJ</i>
<i>cre</i>		<i>Igh-6 Igh-V</i>	
*	006881 B6.Cg-Tg(Aqp2-cre)1Dek/J		005020 NOD-Tg(Igh-6/Igh-V281)3Jwt/JwtJ
	003573 B6.Cg-Tg(Ins2-cre)25Mgn/J		005019 NOD.Cg-Tg(Igh-6/Igh-V125)2Jwt/JwtJ
*	006475 B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J	<i>Igk-C Igk-V</i>	
**	006451 B6.FVB(129X1)-Tg(Sim1-cre)1Lowl/J		005018 NOD.Cg-Tg(Igk-C/Igk-V125)1Jwt/JwtJ
*	006405 FVB-Tg(Ckmm-cre)5Khn/J	<i>Il10^{tm1Cgn} Casp1^{tm1Sesh}</i>	
*	006364 FVB-Tg(Nr5a1-cre)2Lowl/J		005346 NOD.Cg- <i>Il10^{tm1Cgn} Casp1^{tm1Sesh}/LtJ</i>
	003855 NOD/ShiLt-Tg(Ins2-cre)5Lt/LtJ	<i>Ins2</i>	
*	006395 STOCK Tg(Sim1-cre)1Lowl/J		005739 NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ
<i>cre Esr1</i>			005522 NOD-Tg(Ins2*Y16A)1Ell/GseJ
**	008122 STOCK Tg(Ins2-cre/Esr1)1Dam/J		005523 NOD-Tg(Ins2*Y16A)3Ell/GseJ
<i>DGAT2</i>		<i>Ins2</i>	
**	007744 C57BL/6-Tg(APOE-DGAT2)24Far/J		004968 NOD/ShiLtDvs-Tg(Ins2-E3*734)3Dvs/DvsJ
**	006781 C57BL/6-Tg(Ckm-DGAT2)10Far/J	<i>Ins2 Ins1^{tm1Jja} Ins2^{tm1Jja}</i>	
<i>DsRed</i>			005524 NOD.Cg-Tg(Ins2*Y16A)1Ell <i>Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ</i>
**	006872 B6.Cg-Tg(Ins1-DsRed*T4)32Hara/J		005525 NOD.Cg-Tg(Ins2*Y16A)3Ell <i>Ins1^{tm1Jja} Ins2^{tm1Jja}/GseJ</i>
**	005328 NOD/ShiLt-Tg(Cd4-DsRed)4Lt/J	<i>Ins2^{Akita} Ldlr^{tm1Her}</i>	
*	006866 STOCK Tg(Ins1-DsRed*T4)32Hara/J	**	006580 B6.Cg- <i>Ins2^{Akita} Ldlr^{tm1Her}/J</i>
<i>E2f1^{tm1Meg}</i>		<i>lacZ Pdx1 (lacZ)</i>	
	002785 B6;129S4- <i>E2f1^{tm1Meg}/J</i>		005728 STOCK Tg(tetO-Ipfl,lacZ)958.1Macd/J
<i>Foxp3^{sf}</i>		<i>Ldlr^{tm1Her} AKR1B1</i>	
*	006775 NOD.Cg- <i>Foxp3^{sf}/DoiJ</i>	**	006877 B6.Cg- <i>Ldlr^{tm1Her} Tg(H2-K-AKR1B1)1Tj/J</i>

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<i>Ldlr^{tm1Her} Sod2^{tm1Leb}</i>		<i>Scg5^{tm1Led}</i>	
* 006883	B6.Cg- <i>Ldlr^{tm1Her} Sod2^{tm1Leb}</i> /J	* 007005	129S- <i>Scg5^{tm1Led}</i> /J
<i>Lep^{ob} Ldlr^{tm1Her}</i>		<i>Sim1^{tm1.2Az} (loxP)</i>	
** 006906	B6.Cg- <i>Lep^{ob} Ldlr^{tm1Her}</i> /J	** 007570	STOCK <i>Sim1^{tm1.2Az}</i> /J
<i>Lep^{rdb}</i>		<i>Sirt1^{tm1Ygu} (loxP)</i>	
006654	FVB.BKS(D)- <i>Lep^{rdb}</i> /ChuaJ	** 008041	B6;129- <i>Sirt1^{tm1Ygu}</i> /J
<i>Lpl^{tm1Ilg} (loxP)</i>		<i>TFRC OVA</i>	
* 006503	B6.129S4- <i>Lpl^{tm1Ilg}</i> /J	005431	C57BL/6-Tg(Ins2-TFRC/OVA)296Wehi/WehiJ
<i>Mbtps1^{tm1Jdh} (loxP)</i>		<i>Tcra Tcrb</i>	
005994	STOCK <i>Mbtps1^{tm1Jdh}</i> /J	005308	B10.Cg- <i>H2^d Tg(TcraCl4, TcrbCl4)</i> 1Shrm/ShrmJ
<i>Mc4r^{tm1Lowl} cre (loxP)</i>		005868	NOD.Cg-Tg(TcraTcrbNY8.3)1Pesa/DvsJ
** 006414	B6;129S4- <i>Mc4r^{tm1Lowl}</i> /J	<i>Thy1^a Tcra Tcrb</i>	
<i>NP</i>		005307	CBy.Cg- <i>Thy1^a Tg(TcraCl4, TcrbCl4)</i> 1Shrm/ShrmJ
004826	B6.Cg-Tg(Ins2-NP)25-3Olds/MhvJ	005686	NOD.Cg- <i>Thy1^a Tg(TcraCl4, TcrbCl4)</i> 1Shrm/ShrmJ
004827	C.Cg-Tg(Ins2-NP)25-3Olds/MvhJ	<i>Tnks2^{tm1.1Yjc}</i>	
<i>Npy^{tm1Rpa} (lacZ)</i>		* 006200	B6.Cg- <i>Tnks2^{tm1.1Yjc}</i> /J
004545	129S- <i>Npy^{tm1Rpa}</i> /J	<i>tTA</i>	
<i>OVA</i>		004937	NOD.Cg-Tg(Ins2-tTA)1Doi/DoiJ
005432	C57BL/6-Tg(Ins2-OVA)307Wehi/WehiJ	Recombinant Inbred Strains	
005433	C57BL/6-Tg(Ins2-OVA)59Wehi/WehiJ	AXB RI Lines	
<i>Pcsk1^{N222D}</i>		BXA RI Lines	
* 006699	C57BL/6J- <i>Pcsk1^{N222D}</i> /J	Congenic Strains	
<i>Pdx1 (lacZ)</i>		004308	NOD.ALR-(<i>D17Mit16-H2-D</i>)/LtJ
005728	STOCK Tg(tetO-Ipfl, lacZ)958.1Macd/J	003585	NOD.B6-(<i>Gpi1-D7Mit346</i>)/LtJ
<i>Plin^{tm1Chan} (lacZ)</i>		005616	NOD.C-(<i>Ptprc-D1Mit262</i>)/WehiJ
003870	B6.129- <i>Plin^{tm1Chan}</i> /J		
<i>Ppard^{tm1Rev} (loxP)</i>			
005897	B6.129S4- <i>Ppard^{tm1Rev}</i> /J		
<i>Pparg^{tm1Rev} (lacZ)</i>			
006142	B6.129S4- <i>Pparg^{tm1Rev}</i> /J		
<i>Pparg^{tm2Rev} (loxP)</i>			
004584	B6.129- <i>Pparg^{tm2Rev}</i> /J		
<i>Prkcq^{tm1Litt}</i>			
005711	B6.129P2- <i>Prkcq^{tm1Litt}</i> /J		
<i>Scd1^{tm1Ntam}</i>			
006201	B6.129- <i>Scd1^{tm1Ntam}</i> /J		
<i>Scd2^{tm1Myz}</i>			
* 006879	B6.129- <i>Scd2^{tm1Myz}</i> /J		

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Web Resources

Research Models for Diabetes and Obesity Research

www.jax.org/research/diabetes_obesity

The Jackson Laboratory currently has over 300 strains and offers a wide range of services for diabetes and obesity research. Visit this web page for a listing of the most current information.

Other Related Mouse Model Lists

www.jax.org/jaxmice/literature/models

Go to the above URL for links to the following related mouse model lists.

Diabetes and Obesity Research and The Jackson Laboratory

www.jax.org/jaxmice/manual

The purpose of the Type 2 Diabetes and Obesity Resource Manual is to describe the extensive resources for type 2 diabetes and obesity research at The Jackson Laboratory. It includes approximately 30 commonly used and emerging JAX® Mice models of type 2 diabetes and obesity along with relevant JAX® Services offerings to assist the researcher.

Additionally, the manual describes online resources for type 2 diabetes and obesity research such as the Mouse Tumor Biology Database as well as relevant course offerings.

Additionally, the resource manual highlights diabetes and obesity research conducted by Jackson Laboratory scientists

JAX® Mice Database

www.jax.org/findmice

A comprehensive resource including prices, availability, genotypes, gene names, controls and other helpful information.

JAX® Mice News

www.jax.org/jaxmice/news

Subscribe to our twice-monthly email newsletter, JAX® Mice News, and be the first to hear about the latest JAX® Mice strains, JAX® Services, upcoming seminars, courses and conferences, scientific publications, and research news. Please go to www.jax.org/jaxmice news to our web form to begin your free subscription.

Donate a Strain to The Jackson Laboratory Repository

www.jax.org/grc

This site describes the benefits you receive for donating a strain, and provides a web submission form.

Newly Available Models Recently Released for Distribution

www.jax.org/jaxmice/newstrains

We distribute hundreds of new mouse models each year. The supply of mice from strains that have recently been released for distribution may be limited. Colonies are ultimately sized based on the broad needs of the research community. Please refer to the JAX® Mice Database for current availability and price information. If your experiments require more mice that exceed our current supply, we will work with you to meet your needs (please contact our Customer Service Department at 1-800-422-6423 or 1-207-288-5845 or by emailing JAX® Breeding Services at jaxservices@jax.org).

New Strains Under Development

www.jax.org/jaxmice/interestlist

The Jackson Laboratory serves as a worldwide distributor and national repository for common and rare strains of inbred mice and mice carrying spontaneous mutations or induced mutations (i.e., transgenic, targeted/"knockout", or chemically induced mutations). Each year, nearly 400 new mouse models become available from The Jackson Laboratory. Due to the inherent complexities of breeding and maintaining mutant mice, the development process (i.e., importing, rederiving, genotyping, developing a starter colony, and expanding it for public distribution) usually takes 6 to 12 months. While a strain is being developed, you can help us better predict demand and the optimal colony size by registering your interest in it. You can do this either by contacting Customer Service or by completing our Web form (www.jax.org/jaxmice/interestlist) after selecting strains from the lists sorted by research area or allele symbol.