



Old and New Genotyping Codes for All Commercial Animal Models

Model	Model name	Zygotity	Previous one letter code					New genotype code				
			Gene 1	Gene 2	Gene 3	Gene 4	Gene 5	Gene 1	Gene 2	Gene 3	Gene 4	Gene 5
461	Rag2	Homozygous	M					ko/ko				
579	Fcgr2b (Fc γ RII)	Homozygous	M					ko/ko				
580	Fcgr2b (Fc γ RII)	Homozygous	M					ko/ko				
583	Fcer1g (FcR γ)	Homozygous	M					ko/ko				
584	Fcer1g (FcR γ)	Homozygous	M					ko/ko				
601	Rag2	Homozygous	M					ko/ko				
1004	ApoB100	Hemizygous	C					tg/wt				
1006	TNF- α	Hemizygous	C					tg/wt				
1006	TNF- α	Wild Type	W					wt/wt				
1147	Jh	Homozygous	M					ko/ko				
1177	Pfp/Rag2	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
1178	rasH2	Hemizygous	C					tg/wt				
1178	rasH2	Wild Type	W					wt/wt				
1349	APPSWE	Hemizygous	C					tg/wt				
1349	APPSWE	Wild Type	W					wt/wt				
1349	APPSWE	Hemizygous/Rd1 Heterozygous or Wild Type	C					tg/wt				
1349	APPSWE	Wild Type/Rd1 Heterozygous or Wild Type	W					wt/wt				
1414	PXR	Homozygous	M					ko/ko				
1486	Mrp1	Homozygous	M					ko/ko				
1487	Mdr1a/b	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
1547	APOE2	Homozygous	C					hu/hu				
1548	APOE3	Homozygous	C					hu/hu				
1549	APOE4	Homozygous	C					hu/hu				
1638	Tau	Hemizygous	C					tg/wt				
1638	Tau	Wild Type	W					wt/wt				
1640	Ppara	Homozygous	M					ko/ko				
1896	Rag2/OT-II	Homozygous/Homozygous	M	M				ko/ko	tg/tg			
1921	Tnf-a	Homozygous	M					ko/ko				
2045	Stat1	Homozygous	M					ko/ko				
2148	SOD1	Hemizygous	C					tg/wt				
2148	SOD1	Wild Type	W					wt/wt				
2180	COX-1	Homozygous	M					ko/ko				
2180	COX-1	Heterozygous	T					ko/wt				
2180	COX-1	Wild Type	W					wt/wt				
2181	COX-2	Homozygous	M					ko/ko				
2181	COX-2	Heterozygous	T					ko/wt				
2181	COX-2	Wild Type	W					wt/wt				
2334	Rag2/OT-I	Homozygous/Homozygous	M	M				ko/ko	tg/tg			
2469	APPSWE-Tau	Hemizygous/Hemizygous	C	C				tg/wt	tg/wt			
2469	APPSWE-Tau	Wild Type/ Hemizygous	W	C				wt/wt	tg/wt			
2469	APPSWE-Tau	Hemizygous/Hemizygous/rd1 Heterozygous or Wild Type	C	C				tg/wt	tg/wt			
2469	APPSWE-Tau	Wild Type/Hemizygous/rd1 Heterozygous or Wild Type	W	C				wt/wt	tg/wt			
2508	Tau	Homozygous	M					tg/tg				
2508	Tau	Homozygous	M					tg/tg				



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2767	Bcrp	Homozygous	M					ko/ko				
2789	APPSWE	Hemizygous	C					tg/wt				
2789	APPSWE	Wild type	W					wt/wt				
3273	APPSWE-Tau Control	Wild Type / Wild Type	W	W				wt/wt	wt/wt			
3273	APPSWE-Tau Control	Wild Type / Wild Type / rd1 Heterozygous or Wild Type	W	W				wt/wt	wt/wt			
3715	CETP	Hemizygous	C					tg/wt				
3716	CETP-ApoB100	Hemizygous/Hemizygous	C	C				tg/wt	tg/wt			
3998	Mdr1a/b-Bcrp	Homozygous/Homozygous/Homozygous	M	M	M			ko/ko	ko/ko	ko/ko		
4007	B6.SJL	Homozygous	M					sp/sp				
4026	Abb (H2-Ab1)	Homozygous	M					ko/ko				
4079	Rag2/HY	Homozygous/Homozygous	M	M				ko/ko	tg/tg			
4080	Abb/B2m	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
4111	Rag2/Il2rg Double Knockout	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
4111	Rag2/Il2rg Double Knockout	Homozygous/Hemizygous	M	T				ko/ko	ko/y			
4149	Abb Knockout/Transgenic HLA-DR4	Homozygous/Homozygous	M	C				ko/ko	tg/tg			
6621	Mrp2	Homozygous	M					ko/ko				
6622	Oct1/2	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
7089	Flp Deleter	Hemizygous	C					tg/wt				
7089	Flp Deleter	Homozygous	M					tg/tg				
7353	HRN™	Homozygous Floxed/Homozygous	F	M				fl/fl	tg/tg			
8222	Pxr-Car Knockout Mouse	Homozygous/Homozygous	M	M				ko/ko	ko/ko			
8223	Humanized PXR-CAR Mouse	Homozygous/Homozygous	M	M				hu/hu	hu/hu			
8841	Cyp3a (7-gene) Knockout Mouse	Homozygous Deletion	D					ko/ko				
8842	Humanized CYP3A4/3A7 Mouse	Homozygous	M					hu/hu				
9011	Cyp3a (8-gene) Knockout	Homozygous/Homozygous Deletion	M	D				ko/ko	ko/ko			
9047	Humanized Gut CYP3A4 Mouse	Homozygous/Homozygous/Homozygous	M	D	M			ko/ko	ko/ko	tg/tg		
9048	Humanized Liver CYP3A4 Mouse	Homozygous/Homozygous Deletion/Homozygous	M	D	M			ko/ko	ko/ko	tg/tg		
9049	Humanized Liver & Gut CYP3A4 Mouse	Homozygous/Homozygous Deletion/Homozygous/Homozygous	M	D	M	M		ko/ko	ko/ko	tg/tg	tg/tg	
9066	HRN Nude	Homozygous Floxed/Homozygous/ Carrier	F	M	C			fl/fl	sp/sp	tg/?		
9100	Pxr Knockout Mouse	Homozygous	M					ko/ko				
9101	Humanized CAR Mouse	Homozygous	M					hu/hu				
9103	Car Knockout Mouse	Homozygous	M					ko/ko				
9104	Humanized PXR Mouse	Homozygous	M					hu/hu				
9165	Humanized AHR Mouse	Homozygous	M					hu/hu				
9166	Ahr Knockout Mouse	Homozygous	M					ko/ko				
9177	Cyp2c Knockout Mouse	Homozygous	D					ko/ko				
9178	Cyp2d Knockout Mouse	Homozygous	D					ko/ko				
9179	Humanized MRP2 Mouse	Homozygous	M					hu/hu				
9659	HLA-A2.1	Hemizygous	C					tg/wt				
9660	HLA-A11	Hemizygous	C					tg/wt				
9661	HLA-B7	Heterozygous/Hemizygous/Hemizygous	T	C	C			ko/wt	tg/wt	tg/wt		
9662	HLA-A1	Hemizygous	C					tg/wt				
9662	HLA-A1	Wild Type	W					wt/wt				
9663	HLA-A24	Hemizygous	C					tg/wt				
9664	HLA-B44	Hemizygous	C					tg/wt				
10226	Cyp2f2 Knock Out Mouse	Homozygous	M					ko/ko				
10471	CreER ^{T2}	Homozygous	M					ki/ki				
10498	b-actin-luc	Hemizygous	C					tg/wt				



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10499	NFkB-RE-luc	Hemizygous	C					tg/wt					
10500	b-actin-luc	Hemizygous	C					tg/wt					
10501	Gfap-luc	Homozygous	C					tg/tg					
10677	Human LRRK2 R1441G Rat	Hemizygous	C					tg/wt					
10678	Human Alpha Synuclein A53T Rat	Hemizygous	C					tg/wt					
10679	Human Alpha Synuclein E46K Rat	Hemizygous	C					tg/wt					
10680	Human Alpha Synuclein Rat	Hemizygous	C					tg/wt					
10681	Ntac:5D-1g(SINCA)440CJII 10681	Hemizygous	C					tg/wt					
10707	Oatp1a/1b Cluster Knockout Mouse	Homozygous Deletion	D					ko/ko					
10708	Humanized OATP1B1 Mouse	Homozygous Deletion/Homozygous	D	C				ko/ko	tg/tg				
10725	Humanized OATP1B3 Mouse	Homozygous Deletion/Homozygous	D	C				ko/ko	tg/tg				
10835	Humanized CYP2A13-CYP2F1-CYP2B6 Mouse	Homozygous/Carrier	M	C				ko/ko	tg/?				
11227	B6 Albino A ⁺⁺	Homozygous/Homozygous	M	M				ko/ko	ki/ki				
11503	CIEA BRG mouse	Homozygous/Homozygous	M	M				ko/ko	ko/ko				
11503	CIEA BRG mouse	Homozygous/Hemizygous	M	T				ko/ko	ko/y				
11512	Floxed p53 Mouse	Homozygous	F					fl/fl					
11583	Pxr-Car-Ahr Knockout Mouse	Homozygous/Homozygous/Homozygous	D	D	D			ko/ko	ko/ko	ko/ko			
11746	Humanized Liver CYP2C9	Not Genotyped ever	M					hu/hu					
11971	B6 Albino	Homozygous	M					ki/ki					
12141	hTH-GFP Rat	Hemizygous	C					tg/wt					
12524	Cre deleter	Heterozygous	T					ki/wt					
12657	Humanized PXR-CAR-AHR Mouse	Homozygous/Homozygous/Homozygous	M	M	M			hu/hu	hu/hu	hu/hu			
12658	Pxr-Car-Ppar α Knockout Mouse	Homozygous/Homozygous/Homozygous	M	M	M			ko/ko	ko/ko	ko/ko			
12659	Humanized PXR-CAR-CYP3A4/3A7 Humanized PXR-CAR-CYP3A4/3A7-CYP2D6 Mouse	Homozygous/Homozygous/Homozygous/ Homozygous/Homozygous or Quintuple homozygous	M	M	D	M	M	hu/hu	hu/hu	hu/hu	hu/hu	hu/hu	
12660	Humanized PXR-CAR PPAR α Mouse	Homozygous/Homozygous/Homozygous or Triple Homozygous	M	M	M			hu/hu	hu/hu	hu/hu			
12661	Cyp1a1-Cyp1a2 Knockout Mouse	Homozygous	M					ko/ko					
12662	Cyp3a (7-gene)-Cyp2c-Cyp2d Knockout Mouse	Homozygous/Homozygous/Homozygous	M	M	M			ko/ko	ko/ko	ko/ko			
12663	Humanized CYP1A1-CYP1A2 Mouse	Homozygous	M					hu/hu					
12907	TK-NOG	Homozygous/Homozygous/Hemizygous	M	M	C			sp/sp	ko/ko	tg/wt			
12907	TK-NOG	Homozygous/Hemizygous/Hemizygous	M	T	C			sp/sp	ko/y	tg/wt			
13395	hGM-CSF/hIL3-NOG	Homozygous / Homozygous / Hemizygous	M	M	C			sp/sp	ko/ko	tg/wt			
13395	hGM-CSF/hIL3-NOG	Homozygous / Hemizygous / Hemizygous	M	T	C			sp/sp	ko/y	tg/wt			
13439	B2m-NOG	Homozygous/Homozygous/Homozygous	M	M	M			ko/ko	sp/sp	ko/ko			
13439	B2m-NOG	Homozygous/Homozygous/Hemizygous	M	M	T			ko/ko	sp/sp	ko/y			
11509	Invasive Lobular Breast Cancer Model	Homozygous Floxed/Homozygous Floxed/Hemizygous	P	P	C			fl_ko/fl_kcfl_ko/fl_kc	tg/wt				
11509	Invasive Lobular Breast Cancer Model	Homozygous Floxed/Homozygous Floxed/Wild Type	F	F	W			fl/fl	fl/fl	wt/wt			
11510	Brcal-Associated Cancer Model	Homozygous Floxed/Homozygous Floxed/Hemizygous	P	P	C			fl_ko/fl_kcfl_ko/fl_kc	tg/wt				
11510	Brcal-Associated Cancer Model	Homozygous Floxed/Homozygous Floxed/Wild Type	F	F	W			fl/fl	fl/fl	wt/wt			
11511	Floxed Ink4a Mouse	Homozygous	F					fl/fl					
11515	CRE-Luc GPCR Reporter Mouse, line 11	Homozygous	M					tg/tg					
11518	CRE-Luc GPCR Reporter Mouse, line 64	Homozygous	M					tg/tg					
11520	CRE-Luc GPCR Reporter Mouse, line 187	Homozygous	M					tg/tg					
11584	Humanized CYP2D6 Mouse	Homozygous	M					hu/hu					
11585	Humanized PXR-CAR-CYP3A4/3A7 Mouse	Homozygous/Homozygous/Homozygous	M	M	M			hu/hu	hu/hu	hu/hu			
11594	Humanized OATP1/1B3 Mouse	Homozygous Deletion/Homozygous/Homozygous	D	C	C			ko/ko	tg/tg	tg/tg			
ABBN12	Abb (H2-Ab1)	Homozygous	M					ko/ko					
APOE	ApoE	Homozygous	M					ko/ko					



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			Gene 1	Gene 2	Gene 3	Gene 4	Gene 5	Gene 1	Gene 2	Gene 3	Gene 4	Gene 5
B2MN12	B2M	Homozygous	M					ko/ko				
B6NU	B6 nude	Homozygous	M					sp/sp				
B6NU	B6 nude	Heterozygous	T					sp/wt				
BALBNU	BALB/c nude	Homozygous	M					sp/sp				
CB17SC	C.B-17 scid	Homozygous	M					sp/sp				
CBSCBG	scid-beige	Homozygous/Homozygous	M	M				sp/sp	sp/sp			
DB	Diabetic	Homozygous	M					sp/sp				
DB	Diabetic	Heterozygous	M					sp/sp				
DB	Diabetic	Wild Type	T					sp/wt				
HLAB27	HLA-B27	Hemizygous	C					tg/wt				
HLAB27	HLA-B27	Wild Type	W					wt/wt				
ICRSC	ICR scid	Homozygous	M					sp/sp				
MDR1A	Mdr1a	Homozygous	M					ko/ko				
NCRNU	NCr nude	Homozygous	M					sp/sp				
NCRNU	NCr nude	Heterozygous	T					sp/wt				
NIHRNU	NIH nude	Homozygous	M					sp/sp				
NIHRNU	NIH nude	Heterozygous	T					sp/wt				
NMRINU	NMRI nude	Homozygous	M					sp/sp				
NMRINU	NMRI nude	Heterozygous	T					sp/wt				
NODSC	NOD scid	Homozygous	M					sp/sp				
NOG	CIEA NOG mouse*	Homozygous/Homozygous	M	M				sp/sp	ko/ko			
NOG	CIEA NOG mouse*	Homozygous/Hemizygous	M	T				sp/sp	ko/y			
NSWNU	Swiss nude	Homozygous	M					sp/sp				
NSWNU	Swiss nude	Heterozygous	T					sp/wt				
P53N12	TSG-p53*	Homozygous	M					ko/ko				
P53N12	TSG-p53*	Heterozygous	T					ko/wt				
P53N4	TSG-p53*	Homozygous	M					ko/ko				
P53N4	TSG-p53*	Heterozygous	T					ko/wt				
P53N5	TSG-p53*	Heterozygous	T					ko/wt				
PIRC	Pirc	Heterozygous	T					ki/wt				
PIRC	Pirc	Wild Type	W					wt/wt				
RAG2	Rag2	Homozygous	M					ko/ko				
RAGN12	Rag2	Homozygous	M					ko/ko				