

## Animal Genotyping Codes

Code	Interpretation	Previous Taconic - Cologne Code	Previous Taconic Code
wt/wt	wildtype	W	W
ko/wt	heterozygous knock-out allele	conv/+	T or R
ko/ko	homozygous knock-out allele	conv/conv	M or D
ki/wt	heterozygous knock-in allele	ki/+	T or R
ki/ki	homozygous knock-in allele	ki/ki	M or D
hu/wt	heterozygous humanized allele	hum/+	T or R
hu/hu	homozygous humanized allele	hum/hum	M or D
fl/wt	heterozygous allele flanked by recombination sites <sup>2</sup>	cond/+	L
fl/fl	homozygous allele flanked by recombination sites	cond/cond	F
tm/wt	heterozygous targeted allele	targ/+	[L]
tm/tm	homozygous targeted allele	targ/targ	[F]
tg/wt	heterozygous random transgene	tg/+	C
tg/tg	homozygous random transgene	tg/tg	C or T or M
tg/?	random transgene: unknown, whether present as heterozygous or homozygous	C	C
*/y	hemizygous allele (any allele on X chromosome)	*/y	M
ko1/ko2	knock-out/knock-out alleles (two different knock-out alleles)		I
ki1/ki2	knock-in/knock-in alleles (two different knock-in alleles)		I
hu1/hu2	humanized/humanized alleles (two different humanized alleles)		I
fl1/fl2	flanked/flanked alleles (two different flanked alleles)		S
ko/tm	knock-out/targeted alleles	conv/targ	
ki/ko	knock-in/knock-out alleles	ki/conv	I
ki/tm	knock-in/targeted alleles	ki/targ	
hu/ko	humanized/knock-out alleles	hum/conv	I
hu/ki	humanized/knock-in alleles	hum/ki	I
hu/tm	humanized/targeted alleles	hum/targ	
fl/ko	flanked/knock-out alleles	cond/conv	P or Q
fl/ki	flanked/knock-in alleles	cond/ki	P or Q
fl/hu	flanked/humanized alleles	cond/hum	P or Q
fl/tm	flanked/targeted alleles	cond/targ	
ko_fl/wt ko_hu/wt ko_ki/wt ko_tm/wt	heterozygous knock-out allele, with residual presence of flanked, humanized, knock-in or targeted allele due to incomplete deletion		R//L <sup>1</sup>
ko_fl/ko_fl ko_hu/ko_hu ko_ki/ko_ki_tm/ko_tm	homozygous knock-out allele, with residual presence of flanked, humanized, knock-in or targeted allele due to incomplete deletion		p <sup>1</sup>
ki_fl/wt ki_tm/wt	heterozygous knock-in allele, with residual presence of flanked or targeted allele due to incomplete deletion		R//L <sup>1</sup>
ki_fl/ki_fl ki_tm/ki_tm	homozygous knock-in allele, with residual presence of flanked or targeted allele due to incomplete deletion		p <sup>1</sup>
hu_fl/wt hu_tm/wt	heterozygous humanized allele, with residual presence of flanked or targeted allele due to incomplete deletion		R//L <sup>1</sup>
hu_fl/hu_fl_tm/hu_tm	homozygous humanized allele, with residual presence of flanked or targeted allele due to incomplete deletion		p <sup>1</sup>
fl_tm/wt	heterozygous allele flanked by recombination sites, with residual presence of targeted allele due to incomplete		
fl_tm/fl_tm	homozygous allele flanked by recombination sites, with residual presence of targeted allele due to incomplete deletion		
sp/wt	heterozygous spontaneous mutation		T
sp/sp	homozygous spontaneous mutation		M

### Notes:

- 1) The previous Taconic code only applies to the first entry in the Code column of the respective row.
- 2) "flanked allele" describes alleles flanked by recombination sites, such as loxP or FRT sites.