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kri1$^{cas002/+}$（AB）　(CZRC catalog ID: CZ271)

Nature of the mutation

The *cas002* allele contains a single T to G transversion at intron 1 splicing donor site which causes a frameshift and a premature stop codon leading to the production of a truncated protein.

Genotyping assay

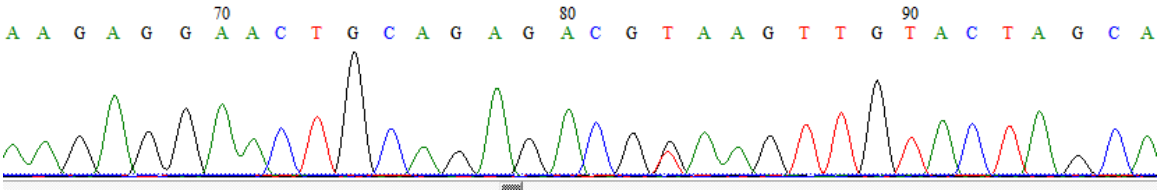
Primers:
Cas002F1 _forward: 5' CTCAAATCAGAAGATACCGC3'
Cas002R1_reverse: 5' CTAAAGCATTTCTACAACAA 3'

PCR program:

95℃ 5min
95℃ 30 sec
53℃ 30 sec　} 30 Cycles
72℃ 30 sec
72℃ 8min
4℃ hold

Product size: 219 bp

The sequencing results of the parents:
CZ271 (+/-): GAGGAACTGCAGAGACG**[T/G]**AAGTTGTACTAGCATGCGT



Reference:

Jia, X.E., Ma, K., Xu, T., Gao, L., Wu, S., Fu, C., Zhang, W., Wang, Z., Liu, K., Dong, M., Jing, C., Ren, C., Dong, Z., Chen, Y., Jin, Y., Huang, Q., Chang, X., Deng, M., Li, L., Luo, L., Zhu, J., Dang, Y., Chang, H.C., Zon, L.I., Zhou, Y., Chen, S., Pan, W. (2015) Mutation of kri1l causes definitive hematopoiesis failure via PERK-dependent excessive autophagy induction. Cell Res. 25(8):946-62