



## *pom121<sup>tsu5d/+</sup>* (CZRC catalog ID: CZ1767)

### Nature of the mutation

5bp deletion, Between 217bp to 221bp of the wild-type *pom121* coding sequence, CTGCT is deleted in exon1.

### Sense Strand Sequence

CGTTTTGAGCTACATACCAGCTTATTTGTACATACTTTTATCTGTGTCGTGTCTTGT  
GTCGTTTATTTTCATAAAGCGGAGGAGTTACAGCTCTTCGAGAGACTAGGCCTCAA  
TCCACGCCGTGGCCTGAGCGTCCCGCCGGCTCTGCTGCGCTGGTTGCCGGGCAGG  
ACTTTTAGCGGTGTCCCGGCCCGCCGGCAGAAACAAGATACGCAAAGTGATGCTA  
GAACCTCTTTCGCGTCACCCAGCGATAGACACTTTGTGGGCTCGTACTATAGAAGA  
GAGCAGCTCAGTGAGTCGGTGTTTCAG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

>WT

TGTCGTTTATTTTCATAAAGCGGAGGAGTTACAGCTCTTCGAGAGACTAGGCCTC  
AATCCACGCCGTGGCCTGAGCGTCCCGCCGGCTCTGCTGCGCTGGTTGCCGGGC  
AGGACTTTTAGCGGTGTCCCGGCCCGCCGGCAGAAACA

> tsu5d

TGTCGTTTATTTTCATAAAGCGGAGGAGTTACAGCTCTTCGAGAGACTAGGCCTC  
AATCCACGCCGTGGCCTGAGCGTCCCGCCGGCTGCGCTGGTTGCCGGGCAGGAC  
TTTAGCGGTGTCCCGGCCCGCCGGCAGAAACA





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China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

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## **Reference**

Shen, W., Gong, B., Xing, C., Zhang, L., Sun, J., Chen, Y., Yang, C., Yan, L., Chen, L., Yao, L., Li, G., Deng, H., Wu, X., Meng, A. (2022) Comprehensive maturity of nuclear pore complexes regulates zygotic genome activation. *Cell*. 185(26):4954-4970.e20

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