



国家水生生物种质资源库国家斑马鱼资源中心  
China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

## ***upf1*<sup>*zju130/+*</sup> (CZRC catalog ID: CZ1357)**

### **Nature of the mutation**

The *zju130* allele contains a deletion from 82bp to 84bp of the wildtype coding sequence in exon2, AG is changed to GAGGAC. The *zju130* and components of the COMPASS complex including *wdr5* function in GCR(the genetic compensation response).

### **Genotyping assay**

Primers:

CZ1357-forward: 5' TCTGTTGTTGGTTGTTTTGG 3'

CZ1357-reverse: 5' TCTGTGGTGGTTTATTTTCGC 3'

PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
58°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 478bp

### **Reference**

Ma, Z., Zhu, P., Shi, H., Guo, L., Zhang, Q., Chen, Y., Chen, S., Zhang, Z., Peng, J., Chen, J. (2019) PTC-bearing mRNA elicits a genetic compensation response via Upf3a and COMPASS components. *Nature*. 568(7751):259-263

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