

# APPENDIX

## **Bi-allelic Pathogenic Variants in *PABPC1L* Cause Oocyte Maturation Arrest and Female Infertility**

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**Appendix Table S1. Primers used for *PABPCIL* variants Sanger sequencing, mouse genotyping, and RT-qPCR**

Primer name	Primer sequence (5' to 3')	Application	
<i>PABPCIL</i> -G97D-F	TCCTCTTCCTTCTGTCCAGC		
<i>PABPCIL</i> -G97D-R	GATTGTTGTTGACGGCCACT		
<i>PABPCIL</i> -R176*-F	ATTGTCCTGCCAGTTTCCT		
<i>PABPCIL</i> -R176*-R	GCTGTTGTCCCTCATCACCT		
<i>PABPCIL</i> -S137F-F	CCCAGCCTTCCTTAATCCGT		
<i>PABPCIL</i> -S137F-R	GGCTCACACTTCTAGGAGGG		
<i>PABPCIL</i> -I320Nfs*122-F	TCCAGCAGTTTCCCTTCCAT	Primers used for Sanger sequencing	
<i>PABPCIL</i> -I320Nfs*122-R	CAGCCCTCTCACTTCCAGA		
<i>PABPCIL</i> -R501W-F	ACCAACAGTGCACAGTCTTC		
<i>PABPCIL</i> -R501W-R	AAAACGTAATGCTGGCCCTC		
<i>PABPCIL</i> -*45G>C-F	GTGGAGGGTGAAGGAGGTG		
<i>PABPCIL</i> -*45G>C-R	CCCCAGTCATGTCTACCGTT		
<i>PABPCIL</i> -R374Q-F	CCAGCAGCTCTTGTCTTGTC		
<i>PABPCIL</i> -R374Q-R	CAGGCAGGAAGTAGCTGGAG		
<i>Pabpc1l</i> -G97D-KI-F	CTTTCTGCAGTGTGTGAGGAGTA		Primers used for mouse genotyping
<i>Pabpc1l</i> -G97D-KI-R	GTGACCTCTAACAGTTCTGGGAAGA		
<i>Pabpc1l</i> -S137F-KI-F	AGACTGGCTTTTCTAAACTTCCCC		
<i>Pabpc1l</i> -S137F-KI-R	CTAAGGTTACACACCAAGGAAGGC		
<i>Pabpc1l</i> -R374Q-KI-F	ACAGTAGGCCTGAGTAAATGAG		
<i>Pabpc1l</i> -R374Q-KI-R	ACAGAGACTGGAAGACAAGATAG		
<i>hPABPCIL</i> -RT-F	AGCGGCAGAATGAACTGAAGCG		
<i>hPABPCIL</i> -RT-R	CGTCATCAATGGAGTCGTCCAG		
<i>hGAPDH</i> -RT-F	CAAATTCCATGGCACCCTCA		
<i>hGAPDH</i> -RT-R	GGCAGAGATGATGACCCTTT		
<i>mMos</i> -RT-F	AGTGGTTGCCTACAATCTGCGC		
<i>mMos</i> -RT-R	GAGGTCCTTTGGAGCAGTTCT		
<i>mMapkapk3</i> -RT-F	GTGGATTCCCACCCTTCTACTC		
<i>mMapkapk3</i> -RT-R	GTCTTCAGGAGCAGGCGGATTA		
<i>mMap2k6</i> -RT-F	TGGTGGAGAAGATGCGTCACGT	Primers used for qRT-PCR	
<i>mMap2k6</i> -RT-R	GTCACGGTGAATGGACAGTCCA		
<i>mMap3k4</i> -RT-F	TTGTGCCTCAGGTGGAGACTGT		
<i>mMap3k4</i> -RT-R	GCTGGCTAGATGTCTGCTCATG		
<i>mMap3k2</i> -RT-F	CCCAGAGTATGACGACAGTCGA		
<i>mMap3k2</i> -RT-R	GGTAGACCCTACCAAAGCTCC		
<i>mFgfr1</i> -RT-F	GCCTCACATTCAAGTGGCTGAAG		
<i>mFgfr1</i> -RT-R	AGCACCTCCATTTCTTGTTCGG		
<i>mPabpc1l</i> -RT-F	GTGCCTCACACGCAGAGAGTAG		
<i>mPabpc1l</i> -RT-R	CTGAGGTTCTCTATGTGGCAC		
<i>mActb</i> -RT-F	CATTGCTGACAGGATGCAGAAGG		
<i>mActb</i> --RT-R	TGCTGGAAGGTGGACAGTGAGG		