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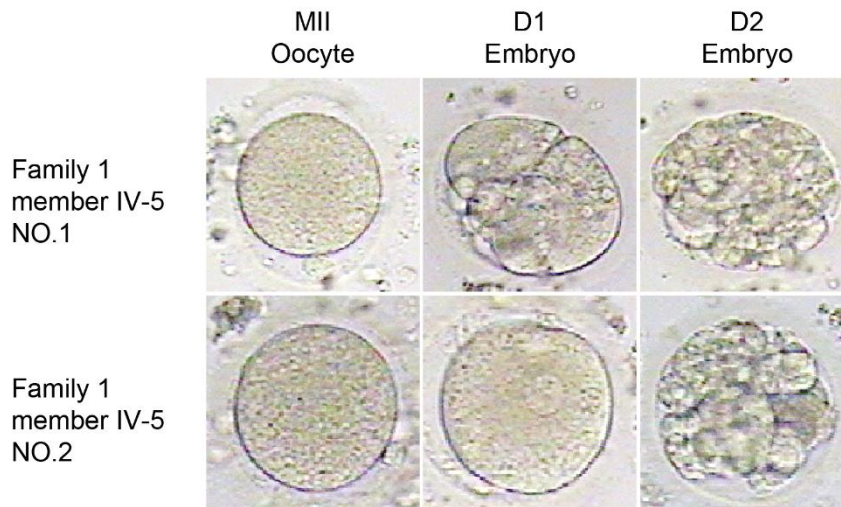
Supplemental Data

Mutations in *PADI6* Cause Female Infertility

Characterized by Early Embryonic Arrest

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A



B

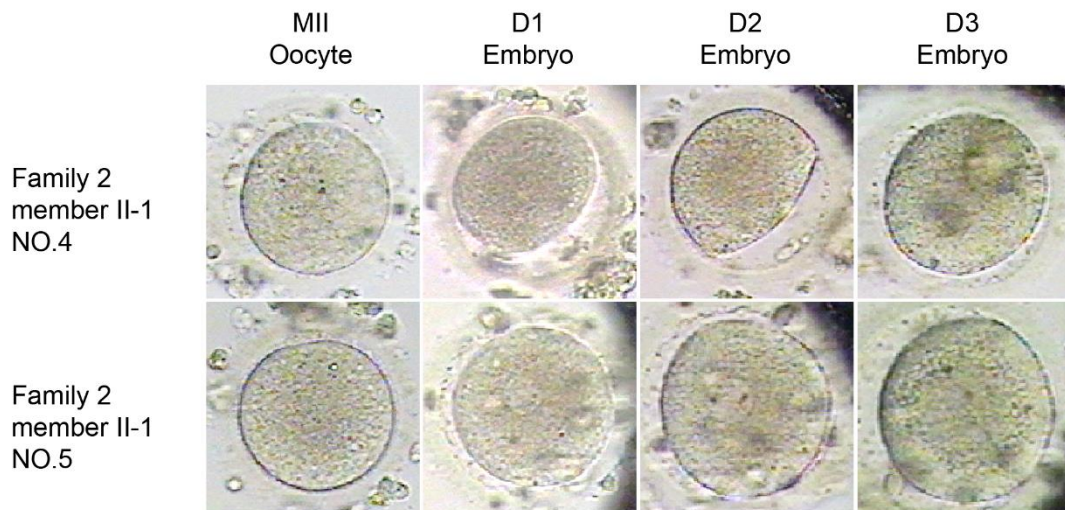


Figure S1. Morphology of patients' embryos.

(A) Arrested embryos in the last ICSI cycle of patient IV-5 in family 1. (B) Uncleaved embryos in the last ICSI cycle of patient II-1 in family 2. D1(Day 1), D2(Day 2) and D3 (Day 3).

Table S1. List of primers used to detect expression of PADI6 and transcriptional activation-related genes.

Primer name	Sequence
PADI6-RT-F	ATGCCGTTTGTGTGTTGGG
PADI6-RT-R	TCTCAGAAATCACCGTGTGG
CPEB1-RT-F	CACACACTCGGTACTGAGCAT
CPEB1-RT-R	GGCTGCTAGATCGAGAGTCC
CFL1-RT-F	TACGCCACCTTTGTCAAGATG

CFL1-RT-R	CCTTGGAGCTGGCATAAATCAT
BTF3 -RT-F	CCAAGGAACAGTGATCCACTTT
BTF3 -RT-R	AGCTGCTTTGTCTCAGCATGG
ZAR1-RT-F	ACCCTTACCGAGTGGAGGATA
ZAR1-RT-R	CGCACAAATCTTGACGGTGG
ANLN-RT-F	ATGTCTTCGTGGCCGATTTGA
ANLN-RT-R	CTCTGACAGTGAGTTTCCTGTTT
ECT2-RT-F	TGTAGTCACGGACTTTCAGGA
ECT2-RT-R	GTACAATACAACGGGCGACAT
YBX2-RT-F	GCTGGCAATCCAAGTCCTG
YBX2-RT-R	TCAAATTCACAGTCTCCCAT