

## Gene Panel

Gene Symbol	Gene Name	Associated Condition(s)
BMP15	Bone Morphogenetic Protein 15	Ovarian dysgenesis 2, Premature ovarian failure 4
FMR1	Fragile X Mental Retardation 1	Premature ovarian failure 1, Fragile X syndrome carrier status
FOXL2	Forkhead Transcription Factor L2	Blepharophimosis, epicanthus inversus, and ptosis, type 1 and 2, Premature ovarian failure 3
FSHR	Follicle Stimulating Hormone Receptor	Ovarian dysgenesis 1
LHB	Luteinizing Hormone, Beta Polypeptide	Hypogonadotropic hypogonadism 23 with or without anosmia
LHCGR	Luteinizing Hormone/ Choriogonadotropin Receptor	Luteinizing hormone resistance
NOBOX	NOBOX Oogenesis Homeobox	Premature ovarian failure 5
NR5A1(SF1)	Nuclear Receptor Subfamily 5 Group A Member 1	Multiple associated syndromes of sex reversal, Premature ovarian failure 7
PATL2	PATL Homolog 2	Oocyte maturation defect 4
POF1B	POF1B, Actin Binding Protein	Premature ovarian failure 2B
ZP1	Zona Pellucida Glycoprotein 1	Oocyte maturation defect 1
ZP3	Zona Pellucida Glycoprotein 3	Oocyte maturation defect 3