zebrafish

brca2

ovaries

homozygous

foxl2a

foxl2b

cyp19a1a

mutation

wild-type

esr2a

tp53

somatic

foxl2

aromatase

allele

WT

esr1

follicles

stages

Sox30

amh

esr2b

mutations

strains

female-to-male

alleles

mouse

EE2

heterozygous

EM

knockout

wild

estrogen

Foxl2

juveniles

testicular

meiotic

dmrt1

sox9a

sex-determining

TB

S1

spermatogonia

meiosis

genotypes

hypothesis

spermatocytes

maturation

ZNRF3

offspring

follicle

fshr

adults

tilapia

Gene

transcriptome

dah

IB

MT

androgen

sperm

phenotypic

SNPs

morphology

production

MT-treated

mammals

perchlorate

strain

SI

sexually

liver

activation

mature

histological

pattern

proliferation

PGCs

knockouts

indicated

populations

Danio rerio

bp

transcript

genotype

period

Appendix

II

Dmrt1

Fshr

multiple

solvent

mapping

upregulated

primers

CAS

phenotypes

variants

Sox9

Sertoli

sex-linked

cross

tissues

resulting

sections

Endocrinol

dimorphic

RT-PCR

mammalian

TU

hormone

length

trout

up-regulated

regulation

exon

masculinization

F1

pipefish

potential

Interestingly

triple

Elsevier

nERs

sex-role-reversed

FSH

induce

FTZ-F1

LH

lhcgr

Brca2

DEB

BRCA2

qRT-PCR

produced

apoptotic

panel

transition

terms

distribution

immature

Wang

common

fancd1

fertility

embryonic

resulted

F2

heat

cM

g/L

see

null

estrogens

E2

testosterone

Lhcgr

P450

Sf1

Kit

gsdf

DMRT1

cyp11c1

sox9b

androgenic

fadrozole

Sry

GSD

Estrogen

GATA4

wt1a

TSD

Esr1

cyp19a1b

Amh

ar

NR0B1

Nr5a1

rspo1

cyp11a2

diethylstilbestrol

Gata4

FOG2

Sox10

Sox2