

**Table S1.** Prioritized nonsense variants found in teratozoospermic individuals. Variants not found in the 1000 Genomes Project are highlighted because they were also searched in the gnomAD database. Ref; Reference allele, Obs; Observed allele

Variant	Location	Gene	Ref	Obs	Frequency (Europe)	CADD Score
rs867145239	19:38028548-38028548	<i>ZNF793</i>	C	T	0.0000 (gnomAD)	36
rs199775799	12:110340895-110340895	<i>TCHP</i>	C	T	0.0002 (gnomAD)	35
rs774160685	4:42461515-42461518	<i>ATP8A1</i>	TGT	T	0.0020 (gnomAD)	-
rs2231925	3:73111724-73111724	<i>EBLN2</i>	T	G	0.0100	31
rs2293766	7:100371358-100371358	<i>ZAN</i>	G	A	0.0100	48
rs11571833	13:32972626-32972626	<i>BRCA2</i>	A	T	0.0110	36
rs141697489	12:69050235-69050235	<i>RAP1B</i>	G	A	0.0180	10.44
rs1343879	X:75004529-75004529	<i>MAGEE2</i>	C	A	0.0260	34
rs36102575	16:48130781-48130781	<i>ABCC12</i>	C	T	0.0310	42
rs2728433	1:243328887-243328887	<i>CEP170</i>	G	T	0.0410 (gnomAD)	32
rs61750839	15:42162467-42162467	<i>SPTBN5</i>	G	A	0.0360	35
rs61742596	2:18766156-18766156	<i>NT5C1B</i>	G	T	0.0450	35
rs61742596	2:18766156-18766156	<i>NT5C1B-RDH14</i>	G	T	0.0450	35
rs1553638067	3:38941409-38941409	<i>SCN11A</i>	C	T	-	32
rs1331040573	14:77493769-77493769	<i>IRF2BPL</i>	G	A	-	33
rs1235926839	X:106846442-106846442	<i>FRMPD3</i>	C	T	-	34
rs1477940077	7:127999846-127999846	<i>PRRT4</i>	C	T	-	36
rs80315675	8:37641780-37641780	<i>GPR124</i>	C	G	-	29.2
-	4:177041040-177041040	<i>WDR17</i>	G	A	-	-
-	7:23306189-23306189	<i>GPNMB</i>	C	T	-	-