Table S3. Unique variants in lncRNAs associated with mitochondrial dynamics identified in oligozoospermic men after filtering. Variants shared between two subcategories of male infertility are marked with double asterisks (**), while those common to all three subcategories are marked with triple asterisks (***).

Variant	Allele	Gene Name	Ensembl ID
rs139645979**	A	*HOTAIR*	ENSG00000228630
rs114669921	A	*MEG3*	ENSG00000214548
rs142491851	A	*MEG3*	ENSG00000214548
rs373798228	T	*MEG3*	ENSG00000214548
rs142880931	C	*MEG3*	ENSG00000214548
rs79796477	C	*MEG3*	ENSG00000214548
rs75997850	T	*MEG3*	ENSG00000214548
rs45497496	A	*MEG3*	ENSG00000214548
rs142547171**	A	*MEG3*	ENSG00000214548
rs77508107**	A	*MEG3*	ENSG00000214548
rs188154930	T	*ZFAS1*	ENSG00000177410
rs558352708	G	*ZFAS1*	ENSG00000177410
rs116625385	A	*ZFAS1*	ENSG00000177410
rs77423602	T	*PVT1*	ENSG00000249859
rs80145390	C	*PVT1*	ENSG00000249859
rs75608030**	A	*PVT1*	ENSG00000249859
rs80289709**	T	*PVT1*	ENSG00000249859
rs10099198	G	*PVT1*	ENSG00000249859
rs1293520072***	T	*PVT1*	ENSG00000249859
rs6470580	G	*PVT1*	ENSG00000249859
rs113265401	C	*PVT1*	ENSG00000249859
rs2859694	A	*PVT1*	ENSG00000249859
rs56026723	T	*PVT1*	ENSG00000249859
rs35716862	A	*PVT1*	ENSG00000249859
rs6470593	T	*PVT1*	ENSG00000249859
rs62512808***	A	*PVT1*	ENSG00000249859
rs2004326	C	*PVT1*	ENSG00000249859
rs78547245	G	*PVT1*	ENSG00000249859
rs148257498	A	*PVT1*	ENSG00000249859
rs115916738	A	*PVT1*	ENSG00000249859
rs145534320	A	*PVT1*	ENSG00000249859
rs16902501	C	*PVT1*	ENSG00000249859
rs201297121	ATTCACATATTCACAT	*PVT1*	ENSG00000249859
rs76209830	A	*PVT1*	ENSG00000249859
rs776885058	A	*PVT1*	ENSG00000249859
rs139026397	AATAAA	*PVT1*	ENSG00000249859
rs537151594	G	*PVT1*	ENSG00000249859
rs62512840***	G	*PVT1*	ENSG00000249859
rs117208114**	A	*PVT1*	ENSG00000249859

rs74559819**	A	*PVT1*	ENSG00000249859
rs1466247184	T	*PVT1*	ENSG00000249859
rs560930234	TGT	*PVT1*	ENSG00000249859
rs75843346	T	*PVT1*	ENSG00000249859
rs75855504	A	*PVT1*	ENSG00000249859
rs145631028	ACACACACA	*PVT1*	ENSG00000249859
rs149837755	TTAC	*PVT1*	ENSG00000249859
rs73710129	C	*PVT1*	ENSG00000249859
rs117362020**	A	*PVT1*	ENSG00000249859
rs75880747	C	*PVT1*	ENSG00000249859
rs79957048**	C	*PVT1*	ENSG00000249859
rs78767029	T	*PVT1*	ENSG00000249859
rs117307963	A	*ANRIL*	ENSG00000240498
rs916141052	C	*ANRIL*	ENSG00000240498
rs770564099	A	*ANRIL*	ENSG00000240498
rs61743293***	T	*ANRIL*	ENSG00000240498
rs4977754***	C	*ANRIL*	ENSG00000240498