

Supplementary Table S6. LncRNAs with a potential role in oligozoospermia according to publications studying the expression profiles of lncRNAs

LncRNAs	Reference	Methodology	Samples	Tissue	Change of expression
<i>lnc-GNS-3</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>XLOC_515910</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-SERHL2-7</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-IL31RA-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-NLRP2-2</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-CDK12-2</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>XLOC_1093926</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-LRRC38-2</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-FOXN1-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-SLC46A2-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-CSNK1A1-7</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-PHLDB1-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients

<i>lnc-KB-1980E6.3.1-6</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-LAT2-2</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>XLOC_2394941</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-EEF1B2-3</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-AP3S1-15</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-SLA2-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-RAPH1-6</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>lnc-TICAM1-1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Upregulated in patients
<i>ITGA9-AS1</i>	Sun <i>et al.</i> , (2021) [37]	RNA sequencing, qPCR	6 oligozoospermic, 6 normozoospermic	Semen	Downregulated in patients