

**Supplementary Table S5.** lncRNAs with a potential role in teratozoospermia according to publications studying the expression profiles of lncRNAs and study characteristics

<b>LncRNAs</b>	<b>Reference</b>	<b>Methodology</b>	<b>Samples</b>	<b>Tissue</b>	<b>Change of expression</b>
<i>LINC00266-1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>LINC00467</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>ADARB2-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>AP000525</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>AC008088</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>COX10-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>HLA-F-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>LINC00466</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>EPB41L4A-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>LINC00347</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>LINC00276</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>AL022344</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>C12orf77</i>	Zhou and Wang,	Gene expression array	8 teratozoospermic,	Semen	Upregulated in patients

	(2020) [45]		13 normozoospermic		
<i>ST7-AS2</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>PRICKLE2-AS3</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>ZBTB20-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>IGSF11-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>AC092620</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>PARD6G-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>MALAT1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>SLIT2-IT1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>FAM13A-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>ARHGEF26-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients
<i>FAM181A-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Downregulated in patients
<i>LZTS1-AS1</i>	Zhou and Wang, (2020) [45]	Gene expression array	8 teratozoospermic, 13 normozoospermic	Semen	Upregulated in patients