

**S2 Table. Top 20 differentially expressed genes comparing *Psip1* knockout to control +/+g tissue.**

<b>Symbol</b>	<b>Gene name</b>	<b>log2 fold change</b>
Xist	Inactive X specific transcripts	11.13
Sprr2k	Small proline-rich protein 2K	8.50
Hoxb13	Homeobox B13	8.29
AI662270	Expressed sequence AI662270	8.08
Slfn2	Schlafen 2	5.60
Trank1	Tetratricopeptide repeat and ankyrin repeat containing 1	4.87
Hoxc9	Homeobox C9	4.37
Sp100	Nuclear antigen Sp100	4.09
Ddx3y	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3	-11.00
Kdm5d	Lysine (K)-specific demethylase 5D	-9.21
Uty	Ubiquitously transcribed tetratricopeptide repeat gene	-8.90
Eif2s3y	Eukaryotic translation initiation factor 2	-8.64
Prkcq	Protein kinase C	-6.01
Alx1	ALX homeobox 1	-4.66
Enpep	Glutamyl aminopeptidase	-4.48
Chrdl1	Chordin-like 1	-4.28
Cldn1	Claudin 1	-4.19
Rspo1	R-spondin homolog ( <i>Xenopus laevis</i> )	-4.09
Tmtc1	Transmembrane and tetratricopeptide repeat containing 1	-3.98
Gfra2	Glial cell line derived neurotrophic factor family receptor alpha 2	-3.83