

Gene	Imprinting	log ₂ fold change	chromosome location	q-value
Grb10	Isoform Dependent	1.43	chr11	0.0014
Impact	Paternal	0.420	chr18	0.0026
Snrpn	Paternal	0.409	chr7	0.035
Lin28a	Paternal	0.373	chr4	0.020
Peg12	Paternal	-0.391	chr7	0.044
Inpp5f	Paternal	-0.408	chr7	0.016
Slc38a4	Paternal	-0.450	chr15	0.014
H19	Maternal	-0.482	chr7	0.050
Pigu	Paternal	-0.485	chr2	0.022
Frat1	Paternal	-0.521	chr19	0.39
Ppp1r9a	Maternal	-0.544	chr6	0.0014
Igf2	Paternal	-0.578	chr7	0.0055
Ocr1	Paternal	-0.844	chrX	0.0014
Gab1	Paternal	-0.909	chr8	0.049
Plagl1	Paternal	-1.17	chr10	0.0014
Zdbf2	Paternal	-1.38	chr1	0.039

Supplemental Table S4: Imprinted genes changing expression with *Skiv2l2* knockdown in P19 cells. RNAseq data was interrogated for imprinted genes changing expression, using gene list obtained from Gene Imprint: Imprinted Gene Database (<http://www.geneimprint.com/site/genes-by-species.Mus+musculus>). Log₂foldchange= log₂(Control levels/*Skiv2l2* knockdown levels) as determined through cuffdiff.