

**Table S1. List of primer sequences.**

human RT KLF7	hKlf7 rt F	CTCATGGGAGGGATGTGAGT
human RT KLF7	hKlf7 rt R	ACTCTGGCCTTTTCGGTTTTT
human RT KLF4	hKlf4 rt F	CACCTGGCGAGTCTGACAT
human RT KLF4	hKlf4 rt R	AGTCGCTTCATGTGGGAGAG
mouse RT KLF4	mRT Klf4 F	GGCGAGTCTGACATGGCTG
mouse RT KLF4	mRT Klf4 R	GCTGGACGCAGTGTCTTCTC
mouse RT KLF7	mKlf7 RT F	TTGCTCTCTCGGGACAAGTT
mouse RT KLF7	mKlf7 RT R	GAGCTGAGGGAAGCCTTCTT
Astigmatism SNP ChIP primer	Astig SNP F	CTTGAGGCCGGGAATTTGAG
Astigmatism SNP ChIP primer	Astig SNP R	TGGCATGGTCATAGCTCACT
Astigmatism SNP ChIP primer- 2	Astig SNP 1F	GTCATTCAGGACCCAGCATG
Astigmatism SNP ChIP primer- 2	Astig SNP 1R	CTCAAATTCCCGGCCTCAAG