

Table S4: Cell count data from *Myrf* conditional knockout mice.

Genotype		Total area ^a (mm ²)	ONL % of Total Area	INL / Total Area (%)	GCL / Total Area (%)	OS/IS / Total Area (%)	Thickness ONL (µm)	Thickness INL (µm)
Control n=6 anim, 8 eyes, 26 sec	Mean	2.5	24	21	19	21	93	85
	SD	0.2	3	1	2	3	20	30
<i>Rxcre;Myrf^{fl/fl}</i> n=3 anim, 6 eyes, 14 sec	Mean	2.4	23	18**	20	21	81	67
	SD	0.3	2	1	2	1	10	10
<i>Rxcre;Myrf^{fl/fl}</i> n=4 anim, 4 eyes, 15 sec	Mean	1.9***	20*	16**	18	12***	61**	50**
	SD	0.1	2	1	1	2	10	2
Genotype		# cells in ONL	# cells in INL	# cells in GCL	# Cones / Total Retinal Cells	%Cones / Cells ONL	#Rods / Total Retinal Cells	% Rods / Cells ONL
Control	Mean	2337	737	123	109	5	2227	95
	SD	446	95	12	23	1	438	1
<i>Rxcre;Myrf^{fl/fl}</i>	Mean	2708	658	126	112	4	2509	96
	SD	33	111	37	12	0.5	212	0.5
<i>Rxcre;Myrf^{fl/fl}</i>	Mean	1708**	618*	120	55***	3*	1654*	97*
	SD	227	54	3	11	1	216	1
Genotype		ONL #cells/mm ² retina	INL #cells/mm ² retina	GCL #cells/mm ²				
Control	Mean	4805	1746	327				
	SD	650	104	56				
<i>Rxcre;Myrf^{fl/fl}</i>	Mean	6152**	1966**	350				
	SD	813	136	88				
<i>Rxcre;Myrf^{fl/fl}</i>	Mean	4993	2259**	386				
	SD	198	137	32				

^aTotal area refers to total retinal area on the section, including only areas that contain all retinal layers and excluding IS/OS area

^bONL-Outer nuclear layer

^cINL-Inner nuclear layer

^dGCL-ganglion cell layer

^eOS/IS-Outer segment plus Inner segment

SD, standard deviation; anim, animals; sec, sections

*** p<0.001, ** p<0.01, * p<0.05 for two-tailed t-test comparison with control