Supplementary Information

SupplementaryTables (4)

Supplementary Figures (6)

Supplementary Tables

Table S1

ChIP	TF	DNA	Oligos	Input enrichment (%)	Standard deviation
	Sox2	*Rx2* pCRE	control	0.18940	0.03781
1st ChIP	Sox2	*Rx2* pCRE	Sox TFBS	1.46008	0.07868
	Sox2	*Rx2* pCRE mtSox	control	0.14629	0.05193
1st ChIP	Sox2	*Rx2* pCRE mtSox	Sox TFBS	0.46493	0.00684
	Sox2	*Rx2* pCRE	control	0.24626	0.05506
2nd ChIP	Sox2	*Rx2* pCRE	Sox TFBS	1.27606	0.08749
	Sox2	*Rx2* pCRE mtSox	control	0.16761	0.06863
2nd ChIP	Sox2	*Rx2* pCRE mtSox	Sox TFBS	0.50728	0.02485
	Gli3	*Rx2* pCRE	control	0.25974	0.06795
1st ChIP	Gli3	*Rx2* pCRE	Gli TFBS	0.35838	0.04032
	Gli3	*Rx2* pCRE delGli	control	0.32085	0.05322
1st ChIP	Gli3	*Rx2* pCRE delGli	Gli TFBS	0.34280	0.01176
	Gli3	*Rx2* pCRE	control	0.69584	0.12550
2nd ChIP	Gli3	*Rx2* pCRE	Gli TFBS	0.97944	0.00960
	Gli3	*Rx2* pCRE delGli	control	2.37300	0.50782
2nd ChIP	Gli3	*Rx2* pCRE delGli	Gli TFBS	2.62135	0.07708

Table S2

ChIP	TF	DNA	Oligos	Input enrichment (%)	Standard deviation
1st ChIP	Tlx	*Rx2* pCRE	control	0.12093	0.00947
	Tlx	*Rx2* pCRE	Tlx TFBS	0.21501	0.03982
2nd ChIP	Tlx	*Rx2* pCRE	control	0.08591	0.06278
	Tlx	*Rx2* pCRE	Tlx TFBS	0.27133	0.02523
1nd ChIP	Her9	*Rx2* pCRE	control	0.07458	0.00875
	Her9	*Rx2* pCRE	Her9 TFBS	0.24208	0.15420
2nd ChIP	Her9	*Rx2* pCRE	control	0.04465	0.03358
	Her9	*Rx2* pCRE	Her9 TFBS	0.10571	0.03606

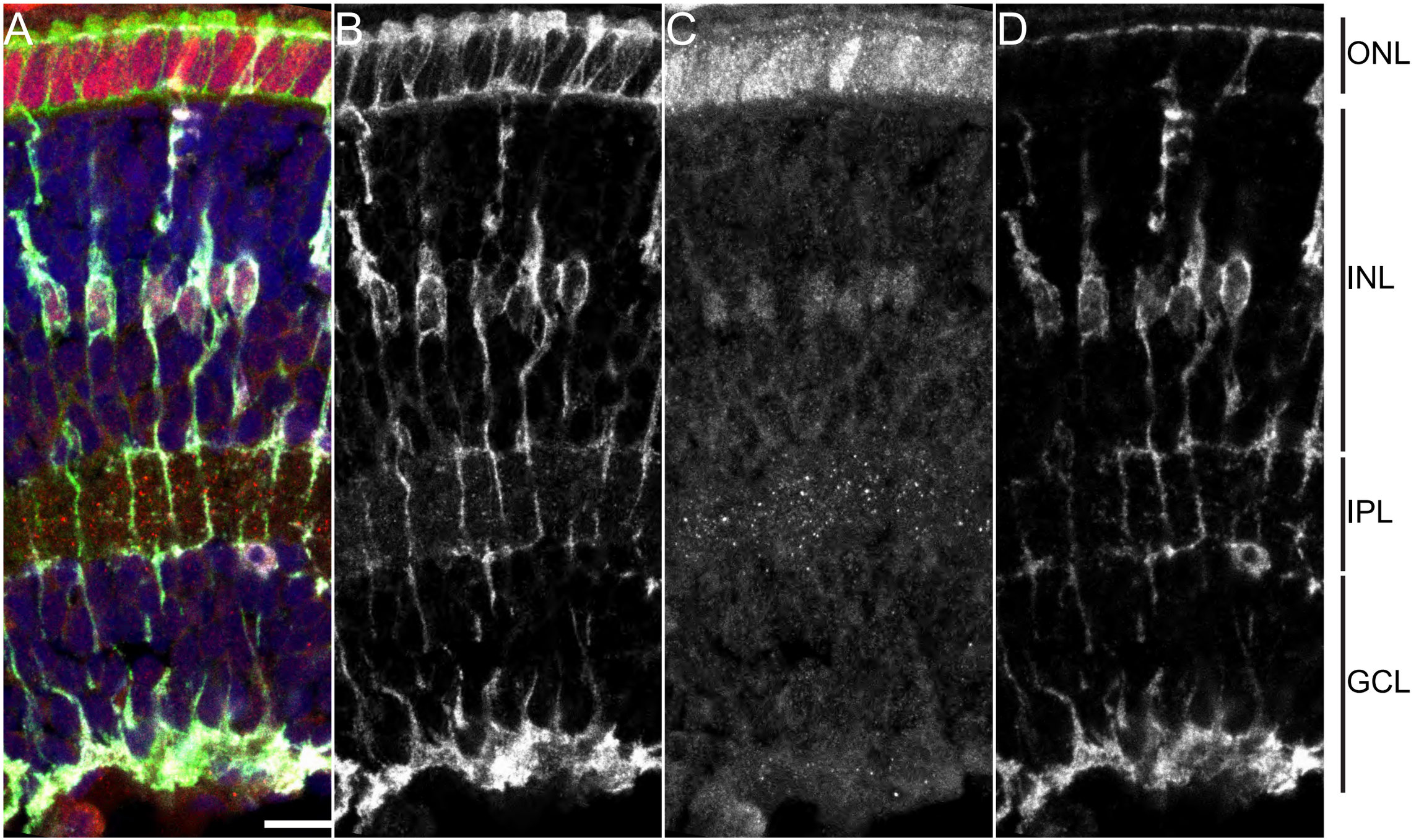
Table S3

Name	Oligonucleotide sequence (predicted motifs are underlined)
Sox2 wt	TATCTTTCAGACAATAGATTTGTTG
Sox2 mt	TATCTTTCAGACGCTAGATTTGTTG
Gli3 wt	TTAGCAATGGCCTCCCTCTGTGGTC
Gli3 del	CTTCATTAGCAATGTGGTCTGAAAG
Her9 wt	AGAATGGAAGCACGAGAGGAACTCC
Her9 mt	AGAATGGAAGGTCGGAAGGAACTCC
Tlx 01 wt	TGATCTCACTAAGTCATGCTGAGAT
Tlx 01 mt	TGATCTCACTAGATCATGCTGAGAT
Tlx 02 wt	TGGTAGACTTTGACTTTTTTTTGAC
Tlx 02 mt	TGGTAGACTTTGATCTTTTTTTGAC

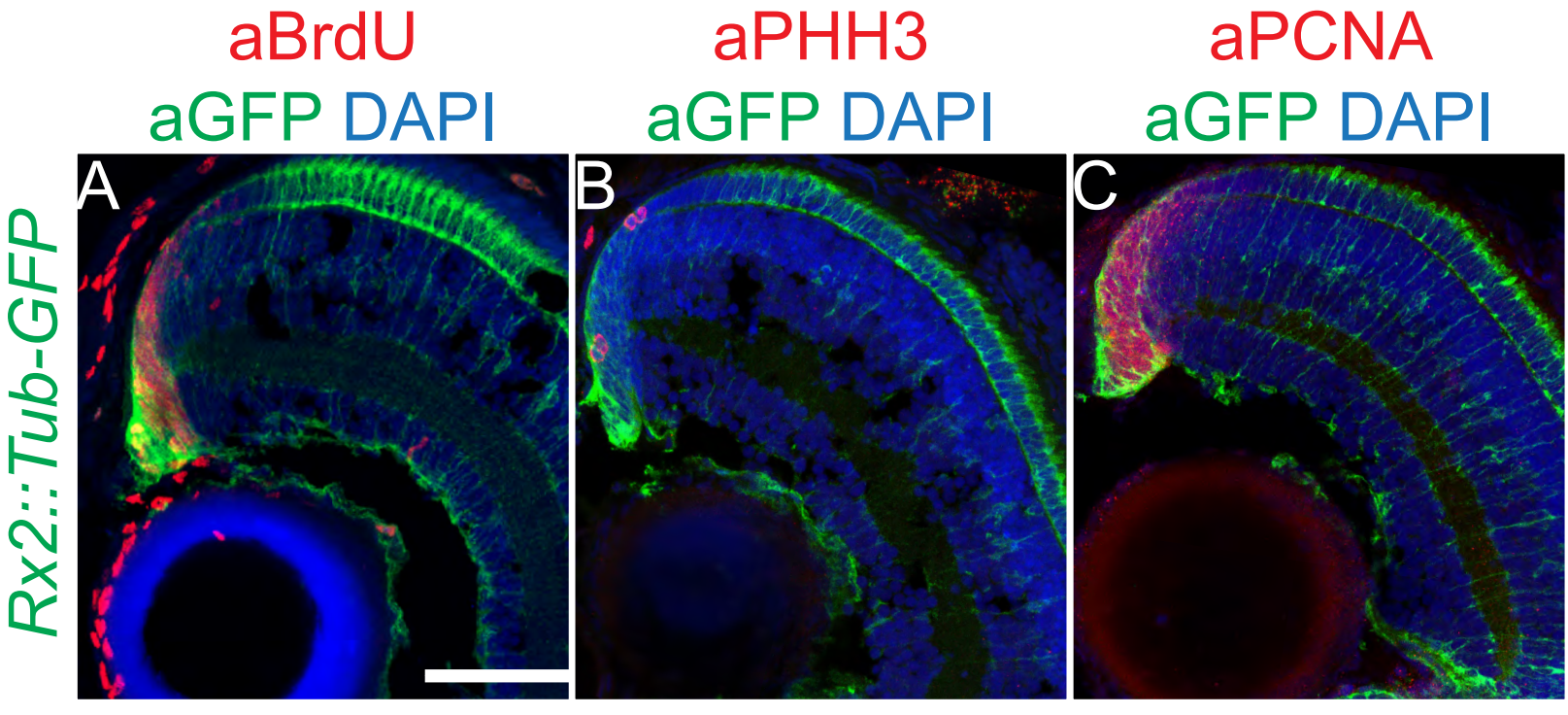
Table S4

Name	Oligonucleotide sequence
Sox TFBS fwd	CCATCCCTGTCTTTTCTCCGT
Sox TFBS rev	TGAAGCCTCAACAAAACTTCCT
Sox control fwd	AACCAGCGCCATTCTGATCA
Sox control rev	CCAGTGTCTTACCGGTGTCC
Gli TFBS fwd	CTCTCCACACAAGCCATTATCT
Gli TFBS rev	TGCTCCAAATGTGTCCTGCT
Gli control fwd	GTTACAACCGCCAAGAAGCTG
Gli control rev	GCCCTTCTTGGCCTTAATGAG
Tlx 02 TFBS fwd	CCTGCTGAGGTCTGCTCTTC
Tlx 02 TFBS rev	TGGACTCACTTTCTGATTCTTGTCA
Tlx 02 control fwd	ACCGAGAAGGAGATCGTGGA
Tlx 02 control rev	AACTTGCCGGTCAGTCCTTT
Her TFBS fwd	TCATCTACTGGCTTGATGAAGG
Her TFBS rev	TCTCTGACCTCACTACCCCC
Her9 control fwd	ACCGAGAAGGAGATCGTGGA
Her9 control rev	AACTTGCCGGTCAGTCCTTT

Reinhardt_**FigS1**



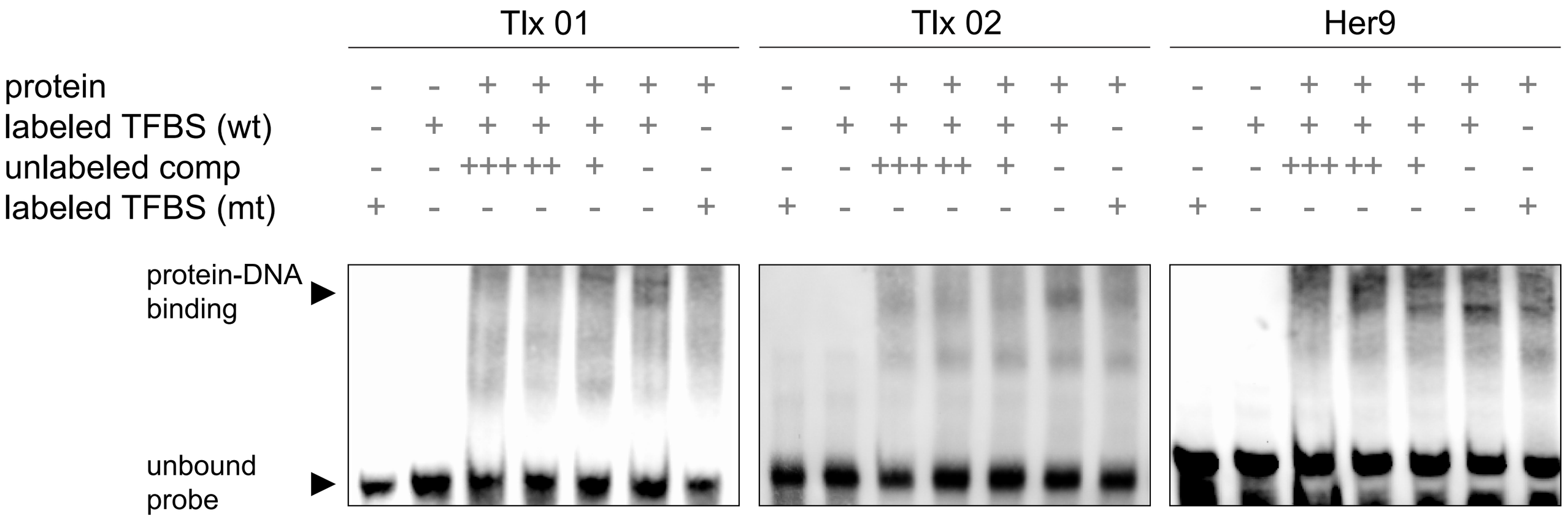
Reinhardt_**FigS2**



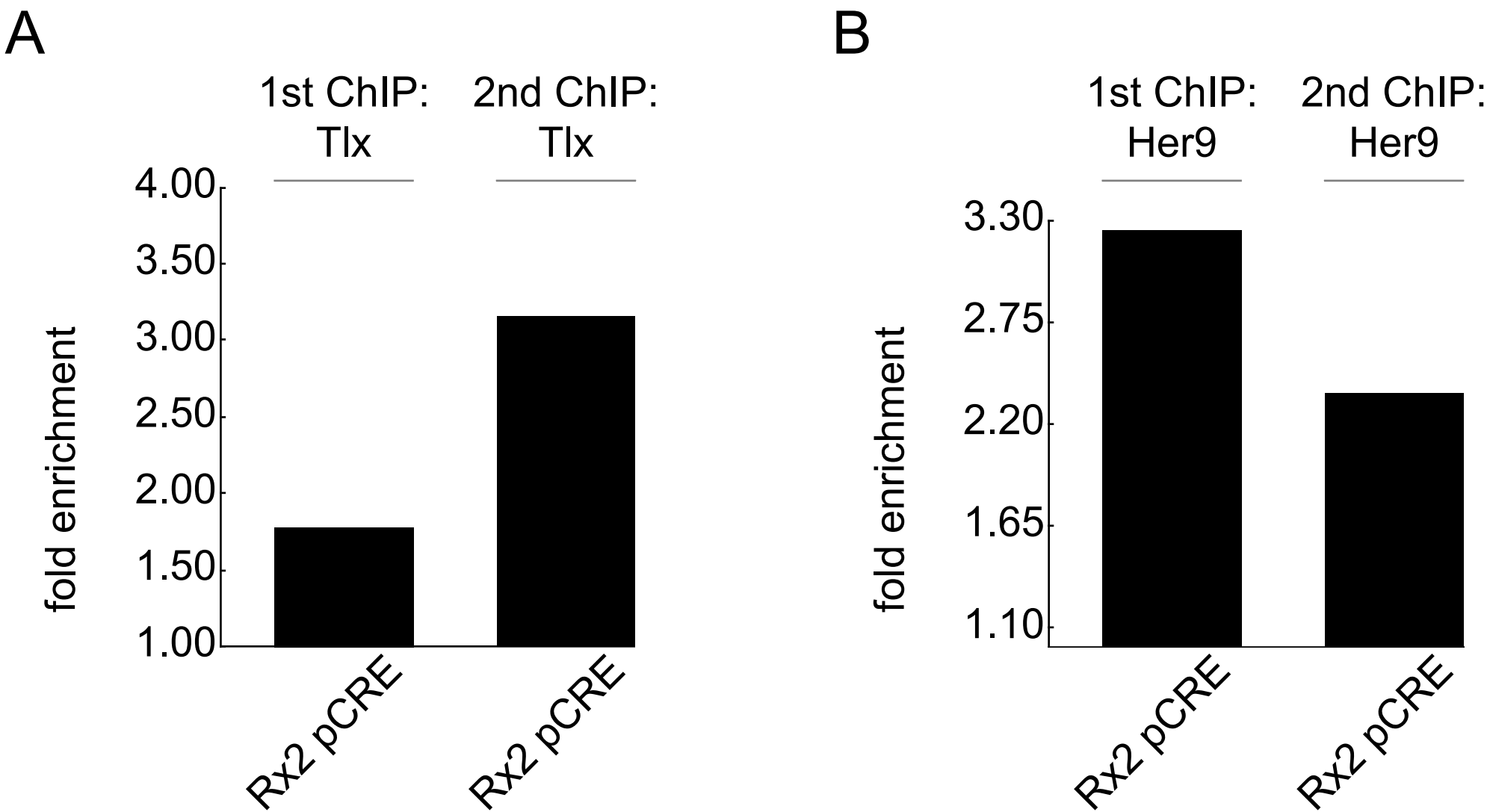
Reinhardt_**FigS3**

A
B
C
D
INL
IPL
GCL
aGFP Sox2 DAPI
E
E'
E''
E'''
Rx2 Sox2 DAPI
F
G
H
I
ONL
INL
aGFP Tlx DAPI
J
J'
J''
J'''
Rx2 Tlx DAPI

Reinhardt_**FigS4**



Reinhardt_**FigS5**



Reinhardt_**FigS6**