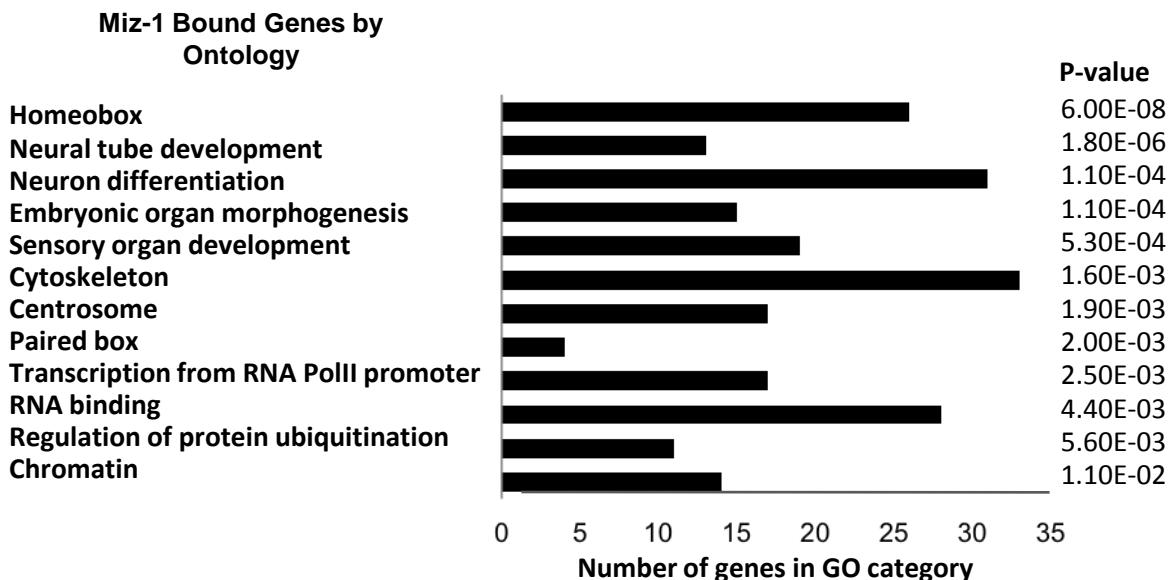


A



B

**Miz-1 Bound Genes Relative to Histone Marks by Ontology**

Total Miz-1 Bound  
734

Ach3K9/  
H3K4me  
553

Neither  
181

Marks	
GO category	p value
Cytoskeleton	5.40E-04
Centrosome	3.30E-04
Regulation of protein ubiquitination	1.90E-04
RNA-binding	1.20E-03
Chromatin	8.80E-03
Transcription from RNA PolII promoter	5.80E-03
Cell cycle	3.80E-03
Ribosomal protein	1.10E-03

**No Marks**

GO category	p value
Homeobox	2.10E-09
Chordate embryonic development	2.60E-07
Neuron differentiation	2.50E-07
Sensory organ development	1.60E-06
Paired box	1.80E-03
Neural tube development	1.90E-03