

Ontology	Top term	Bonferroni corrected Binomial P-value	Fold Enrichment	Number of elements	Number of genes
GO: Molecular function	Sequence-specific DNA binding	<1.0e-324	4.4	3,157	293
GO: Biological process	Forebrain development	<1.0e-324	4.1	1,159	81
GO: Cellular component	Transcription factor complex	2.2e-183	3.6	734	65
MGI: Phenotype	Neonatal lethality	<1.0e-324	2.8	2,530	246

**Table S1.**