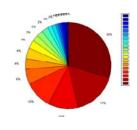


| Co-regulatory TF | Tissue | -40g(P) | |
|------------------|-----------------|---------|--|
| ** | ** | ** | |
| CHIXTO | erye | 28.4156 | |
| HNE-1 | kidney | 23 6826 | |
| COUP/TEANE-4 | kidney | 22.6516 | |
| PID/2 | 898 | 19.1804 | |
| HNE.1 | small_intestine | 19 1628 | |
| CROC | 1010 | 18.5542 | |
| HNF-4ALPHA | locity | 16 8834 | |
| NK26-2 | smal_intestine | 15 6923 | |
| 1003 | small_intestine | 15.1010 | |
| STAT5A | 690 | 112.929 | |
| EXR | eye | 12.8655 | |
| TAL-1EETATIE-2 | <i>ay</i> 0 | 128105 | |
| TAL-1EETAE-17 | aye | 12,7791 | |
| 45.1 | liver | 12.23 | |
| C/EBP | muscle | 11.6189 | |
| PERSO | thymus | 11.0019 | |
| OCT-1 | eye | 10.7224 | |
| MZF 1 | eye | 10 6372 | |
| 001-X | eye | 10.5787 | |
| AP-1 | bladder | 10.5385 | |
| NE-AT | smal_intestine | 10.2656 | |
| MYOD | aya | 10 2535 | |
| RSRECA | Jodney . | 10.0576 | |
| HEA | lodney | 10.0307 | |
| TAL-18ETAITE-2 | muscle | 9.93203 | |
| TITE 1 | smal_intestine | 9.75982 | |
| ALPHA-CP1 | 690 | 9.5751 | |
| GONE | eye | 9.4728 | |
| HANDLEAT | 0.0 | 943009 | |



Distribution of Co-regulatory TFs

<u>Description</u>: this pie chart displays the distribution of co-regulatory transcription different bissues.

Color schema, the tissue with the largest percentage of co-regulatory TFs i whereas the tissue with the smallest percentage of co-regulatory TFs is colored to rissues with intermediate percentages of co-regulatory TFs are colored fit velow and coan and them to light blue.

242 Cis-Regulatory Module (CRM) detections in eye

Download Table

| Chromosome ID | CRM Start Position | CRM End Position | Gene Name | Transcription Start Position | Orientation | Minimum Energy | Transcription Factors |
|------------------|-----------------------|---------------------|-----------|---------------------------------|-------------|-------------------|---|
| ▲ ▼ | | | | | | | |
| chr.1 | 68623595 | 68623680 | NM_000329 | 68627663 | -1 | -1.10877 | FOXJ2 :: POU3F2 :: STAT5A : SMAD-3 :: TATA |
| chr.1 | 168352546 | 168352581 | NM_000261 | 168353430 | -1 | -1.22283 | OCT-1 :: FOXJ2 :: POU3F2 :: NR2E3 :: FOXO4 |
| chr.1 | 168352381 | 168352413 | NM_000261 | 168353430 | -1 | -1.15567 | OCT-1 :: FOXJ2 :: POU3F2 :: PBX1B :: FOXO1 |
| chr.1 | 168352357 | 168352368 | NM_000261 | 168353430 | -1 | -1.01014 | FOXJ2 ::: OCT-1 :: POU3F2 :: PBX1B :: FOXO1 |
| chr.1 | 193968043 | 193968048 | NM_012076 | 193969064 | 1 | -1.00136 | FOXJ2 :: POU3F2 :: NKX6-2 :: OCT-1 :: MEIS1A/HOXA9 |

289 RefSeq Genes are preferentially expressed in eye

Download Table

| RefSeq EST Enrichmer | | Gene Symbol | Description | | |
|-------------------------|---------|----------------|--|--|--|
| ▲ ▼ | | A V | | | |
| NM_032753 | 20.1971 | MGC15631 | Homo sapiens hypothetical protein MGC15631 (MGC15631), mRNA | | |
| NM_021225 | 20.1971 | PROL1 | Homo sapiens proline rich, lacrimal 1 (PROL1), mRNA | | |
| NM_033277 | 20.1971 | LACRT | Homo sapiens lacritin (LACRT), mRNA | | |
| NM_007374 | 20.1971 | SIX6 | Homo sapiens sine oculis homeobox homolog 6 (Drosophila) (SIX6), mRNA | | |
| NM_030657 | 20.1971 | LIM2 | Homo sapiens lens intrinsic membrane protein 2 19kDa (LIM2), mRNA | | |

307 transcription factor pairs co-regulate in eye

| Download Table 1st Factor | 2nd Factor | -log(P) | |
|------------------------------|------------|---------|--|
| | | | |
| FOXJ2 | POU3F2 | 39.9539 | |
| CHX10 | CHX10 | 32.5137 | |
| CHX10 | CRX | 28.4156 | |
| FOXJ2 | FOXJ2 | 20.8575 | |
| FOXJ2 | Oct-1 | 20.6056 | |
| CRX | PITX2 | 19.1884 | |
| CHX10 | GATA-6 | 18.7433 | |
| CRX | CRX | 18.5542 | |

B. Transcription Factor View