S. cer. genes in UCSC genome browser

- BLASTP against NR database
- Remove genes with any hit in other species

- Remove genes without expression evidence in S. cer.

- Filter out genes with homologs according to YGOB and OrthoMCL-DB

- Remove genes with high sequence similarity in any of close yeast species

- Classify genes into de novo genes and duplicated new genes
- Remove genes that shared core promoters
- Remove genes with promoters shorter than 100 bp or with alignment rates in promoters lower than 50%

34 Retained
22 Discarded

De novo genes

13 Retained
33 Discarded

Duplicated new genes