

Differential Gene Expression and Functional Analysis in genes close to insertions results

Gene ZNF257 (ENSG00000197134 - zinc finger protein 257), which is close to the insertion in chromosome 19:22414379, was observed to have different gene expression in general and also in TSI, FIN and CEU populations. In addition gene ZNF208 (ENSG00000160321 - zinc finger protein 208) was observed to have different gene expression in populations CEU and YTI.

Gene PDE5A (ENSG00000138735 - phosphodiesterase 5A), which is close to the insertion in chromosome 4:120263688, was observed to have different gene expression in general.

Two genes, that are close to the insertion in chromosome 1:111802592, OVGP1 (ENSG00000085465 - oviductal glycoprotein 1) and DENND2D(ENSG00000162777 - DENN domain containing 2D) were observed to have different gene expression in populations FIN and YRI respectively.

Gene MAP3K4 (ENSG00000085511 - mitogen-activated protein kinase 4), which is close to the insertion in chromosome 6:161270899, was observed to have different gene expression in population CEU.

Gene TCTN2 (ENSG00000168778 - tectonic family member 2), which is close to the insertion in chromosome 12:124066477, was observed to have different gene expression in population GBR.

Also one gene, that is close to the insertion in chromosome 19:21841536, ZNF429 (ENSG00000197013 - zinc finger protein 429), was observed to have different gene expression in population GBR.

Differential Gene Expression and Functional Analysis in genes in whole genome results

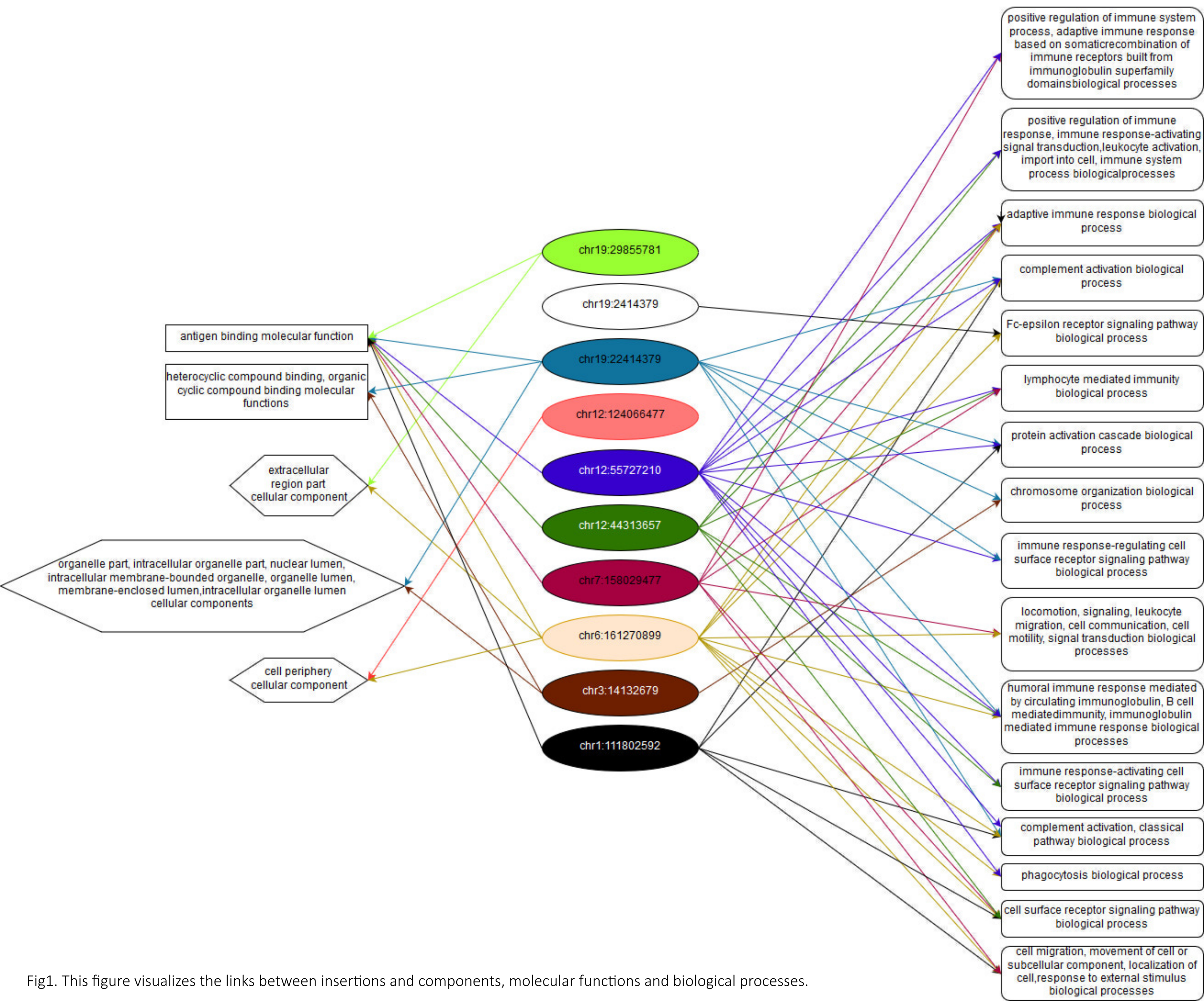


Fig1. This figure visualizes the links between insertions and components, molecular functions and biological processes.