GENE EXPRESSION IN DIFFERENT TISSUES

Tissue Type

Expression Level

GENE A
GENE B
GENE C
GENE D

TISSUE-SPECIFIC TF NETWORK

determine cis-regulatory modules

extract interacting pairs

GENE C
GENE D
GENE E

BINDING MOTIF PAIR PREDICTION

UPSTREAM PROMOTER REGION

overexpressed in same tissue

examine promoter region

GENE C
GENE D

TISSUE-SPECIFIC GENE PROMOTER SCAN

GENE X
GENE Y
GENE Z

Figure 2