

cohort



institutions



genes

g_1

g_2

SNPs

s_1

s_2

s_3

s_4

g_1

g_2

s_1

s_2

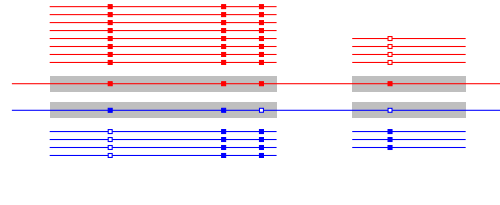
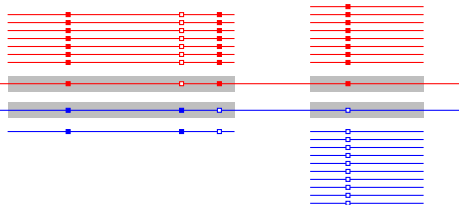
s_3

s_4

expression

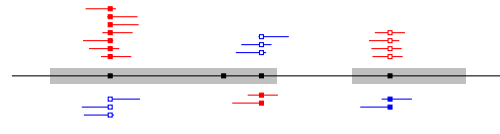
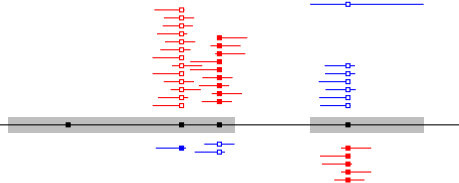
maternal

paternal



RNA-seq

reference



read count ratio, S

$$\frac{13+9}{14+11} = 0.88$$

$$\frac{6}{11} \approx 0.55$$

$$\frac{7+3}{10+5} \approx 0.67$$

$$\frac{4}{6} \approx 0.67$$