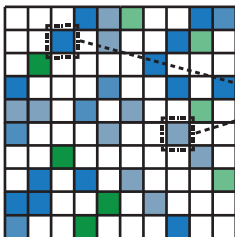
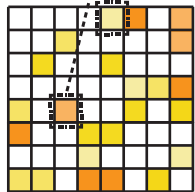


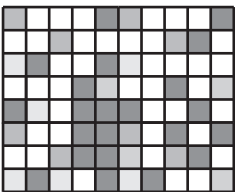
Gene-gene  
similarity constraints



Phenotype-phenotype  
similarity constraints

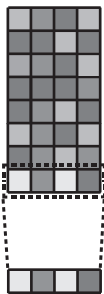


Phenotypes



Memberships of a gene  
in gene latent components

Gene latent  
matrix



$\approx$

Latent component  
interaction matrix



$\times$

$\times$

Phenotype latent  
matrix



Memberships of a  
phenotype in phenotype  
latent components

