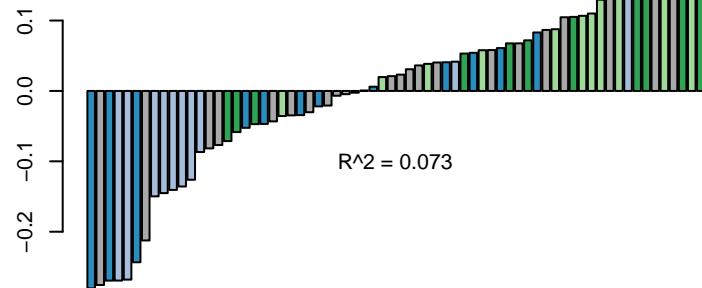
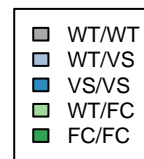
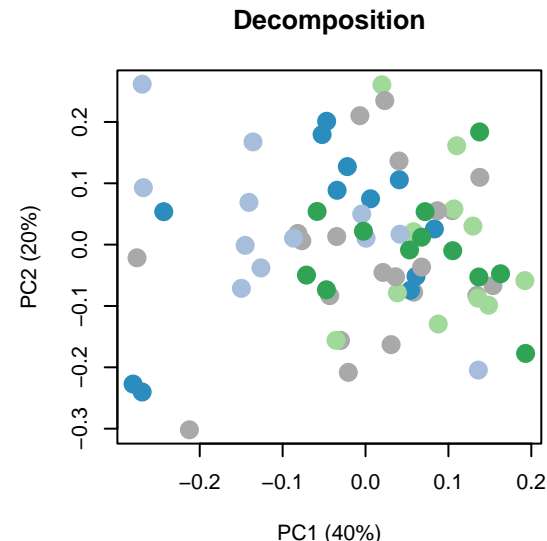
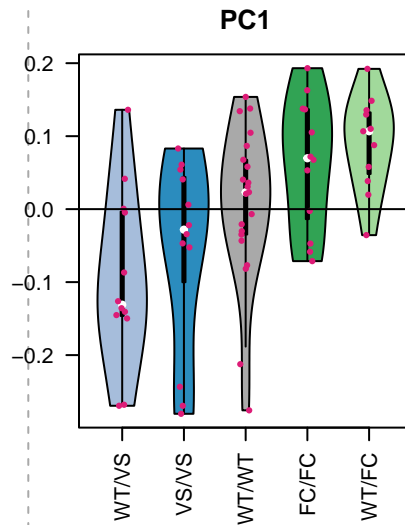
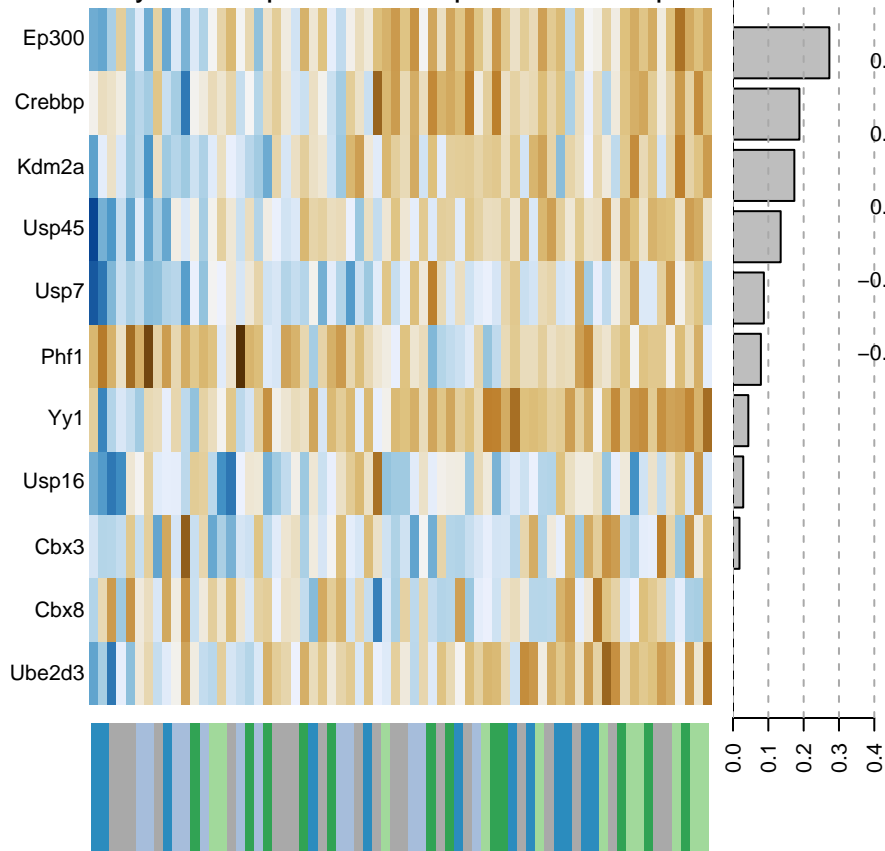
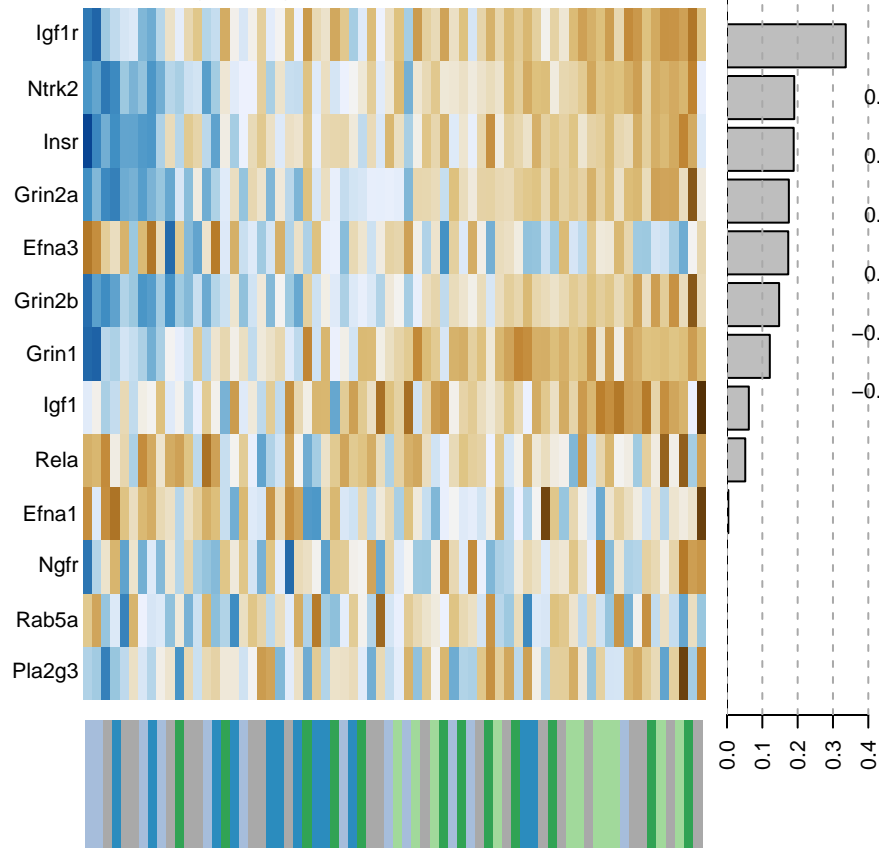


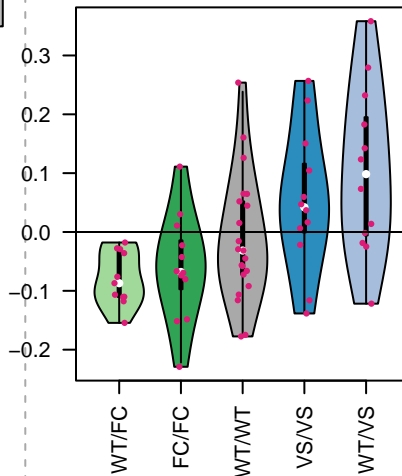
Polycomb repressive complex : DNA Repair



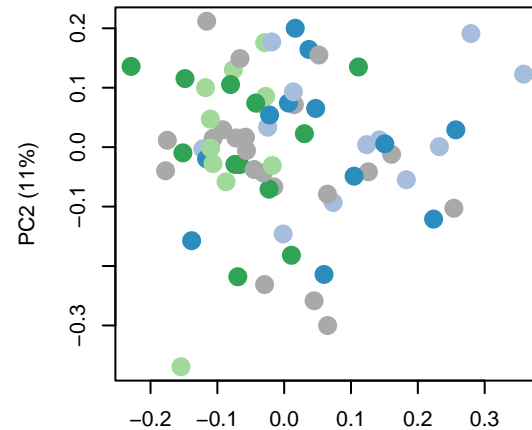
Ras signaling pathway : APP Metabolism



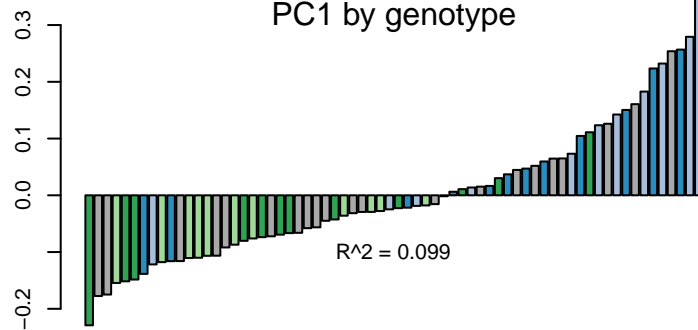
PC1



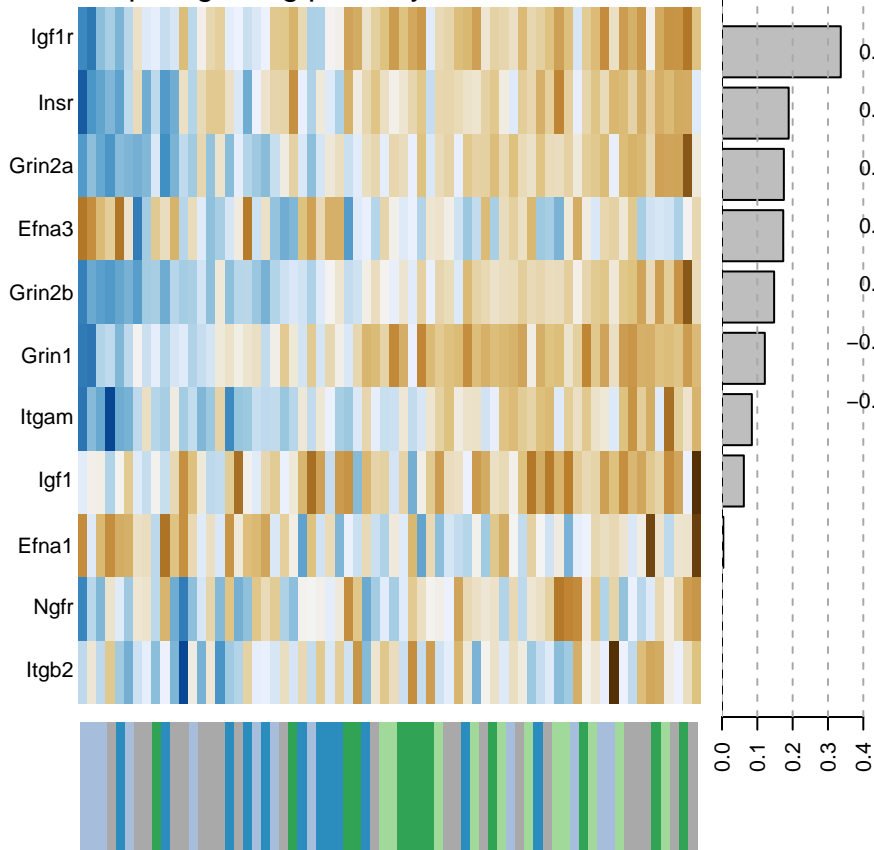
Decomposition



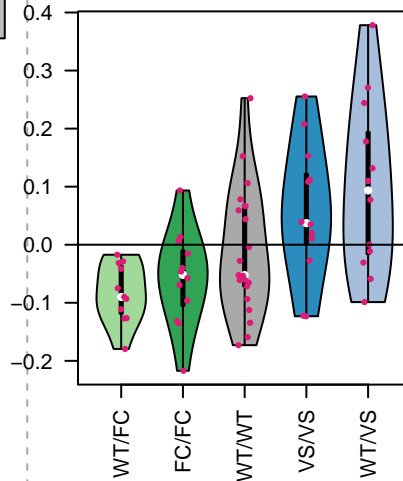
PC1 by genotype



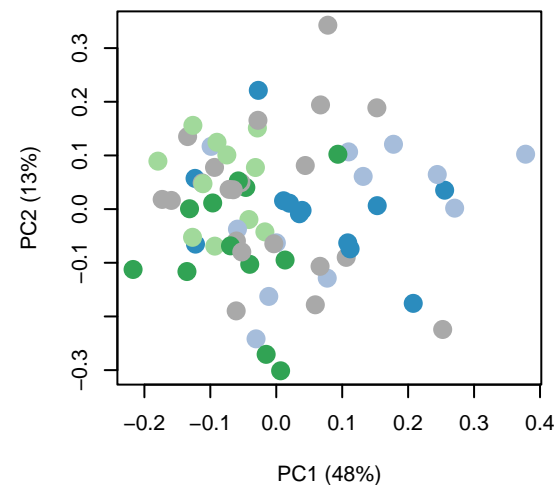
Rap1 signaling pathway : APP Metabolism



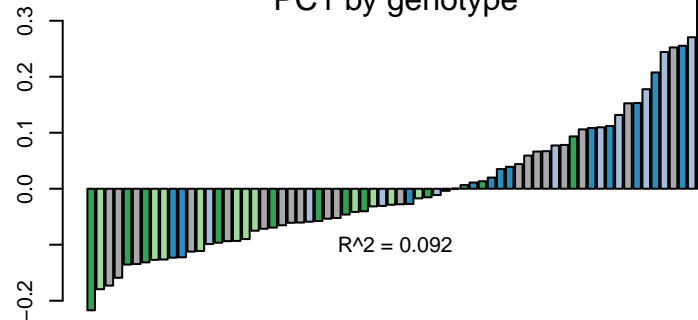
PC1



Decomposition

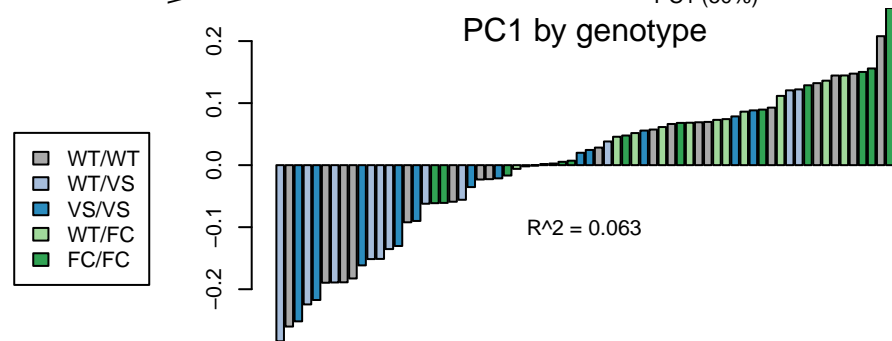
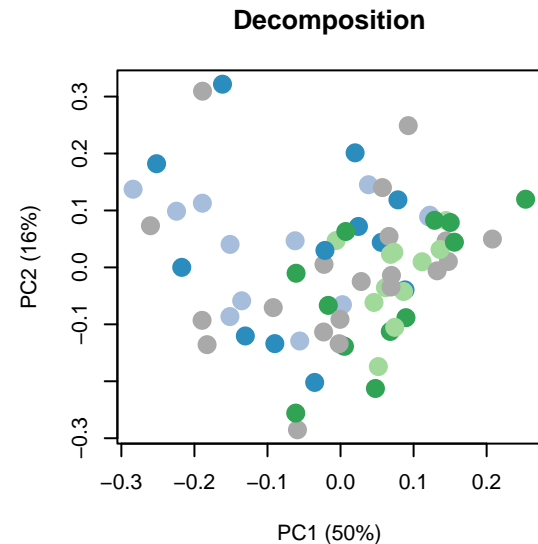
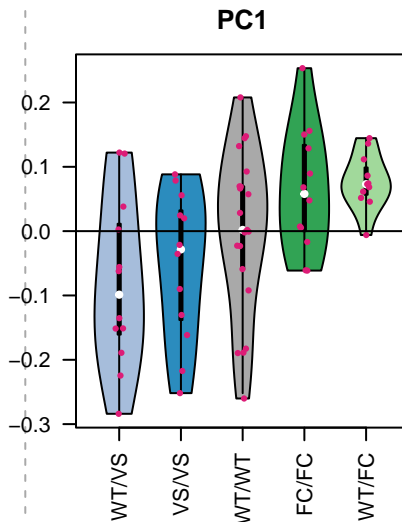
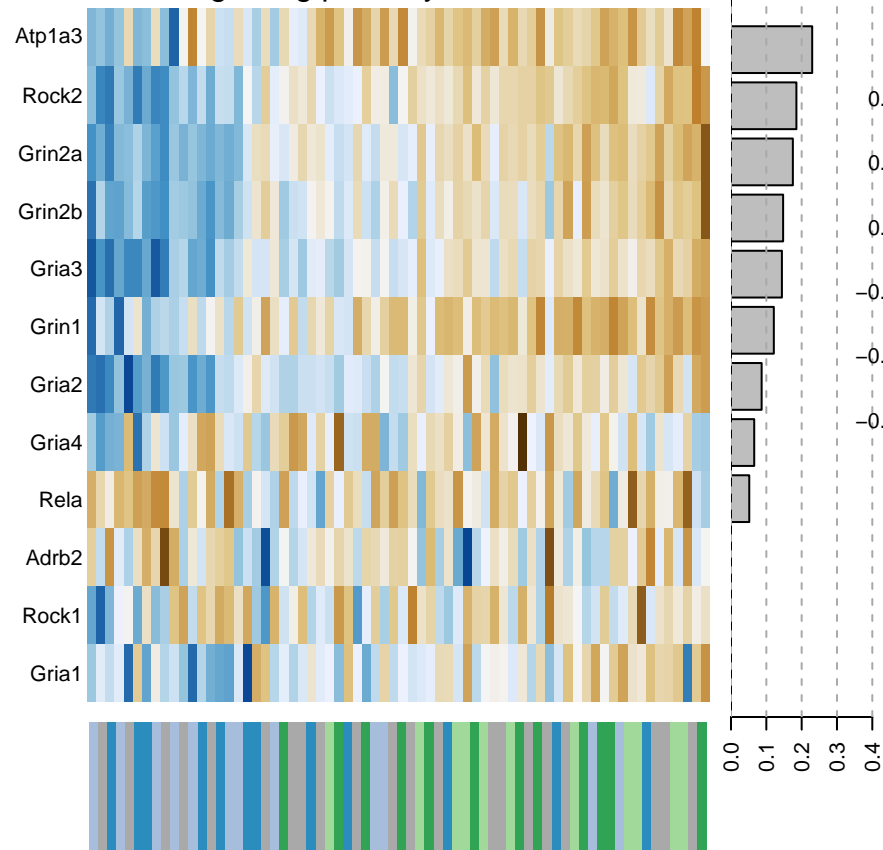


PC1 by genotype

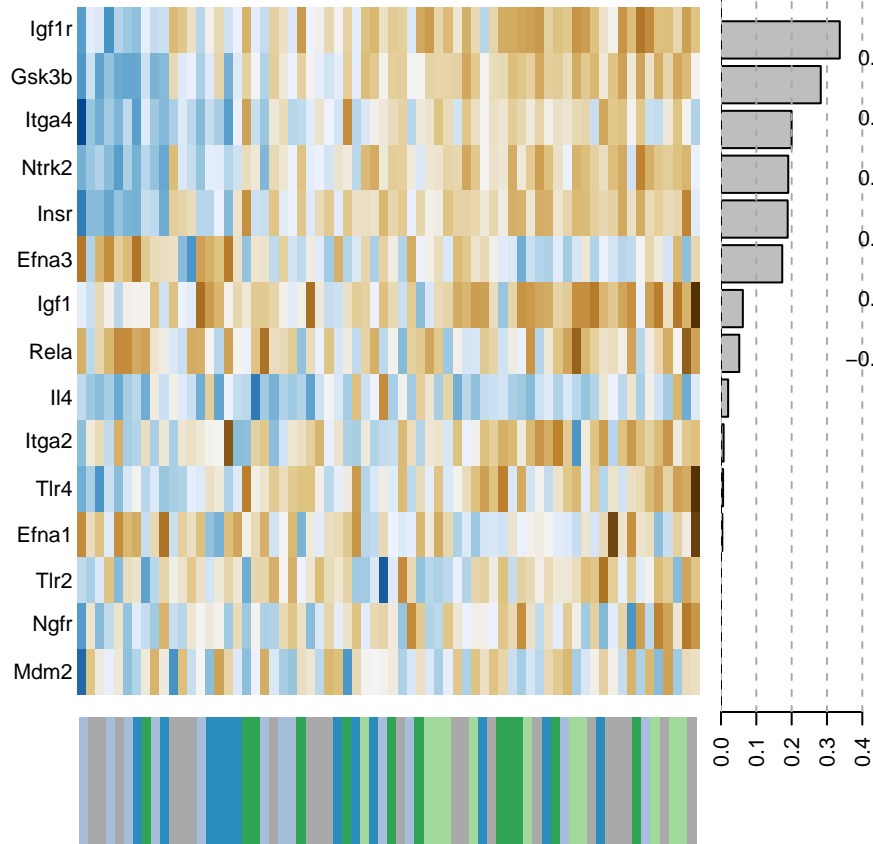


$R^2 = 0.092$

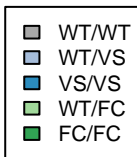
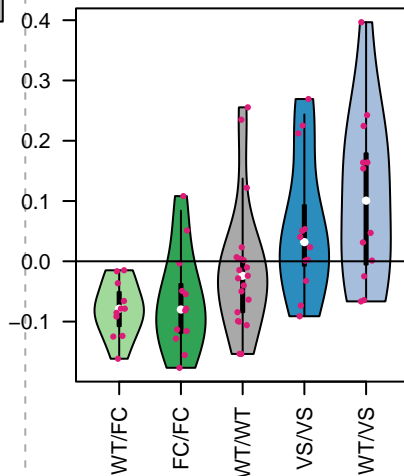
cAMP signaling pathway : APP Metabolism



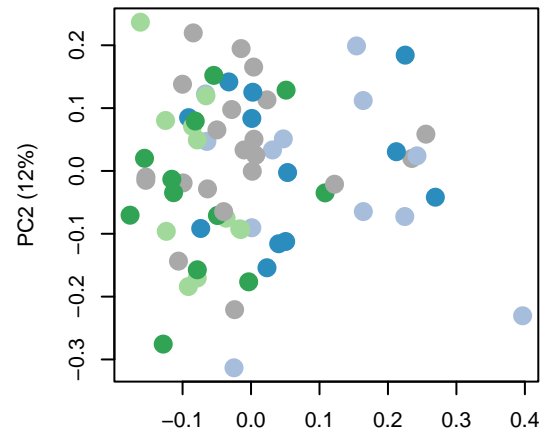
PI3K–Akt signaling pathway : APP Metabolism



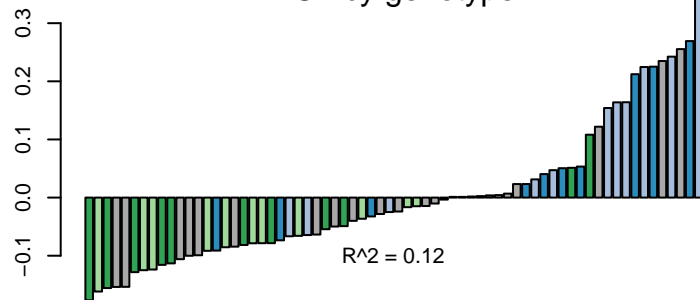
PC1



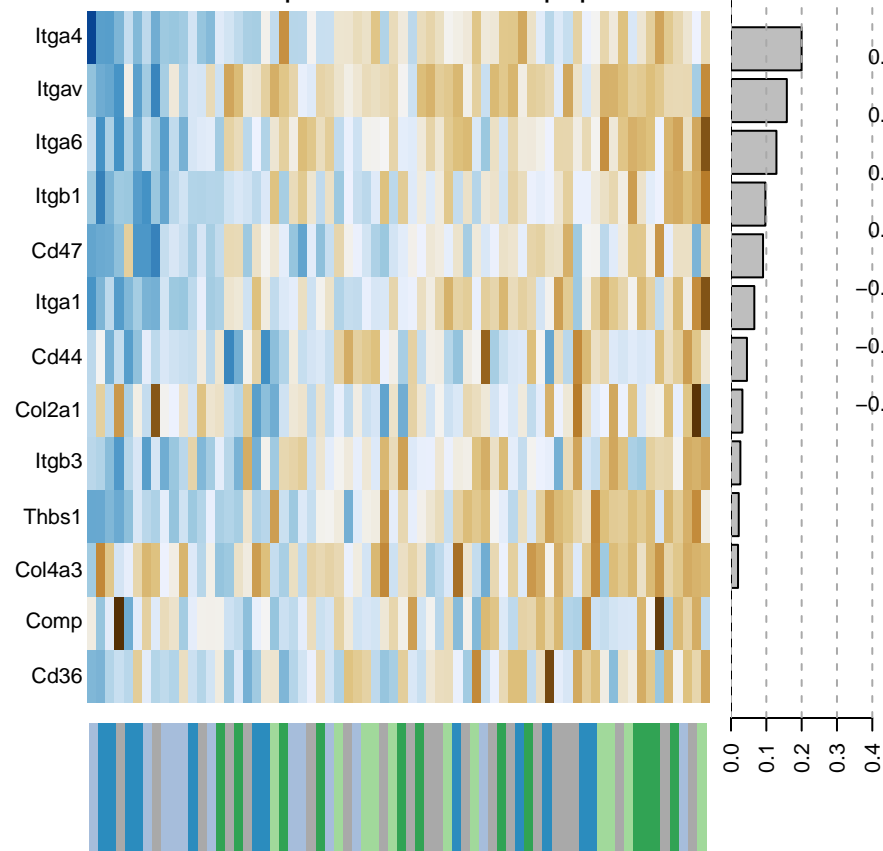
Decomposition



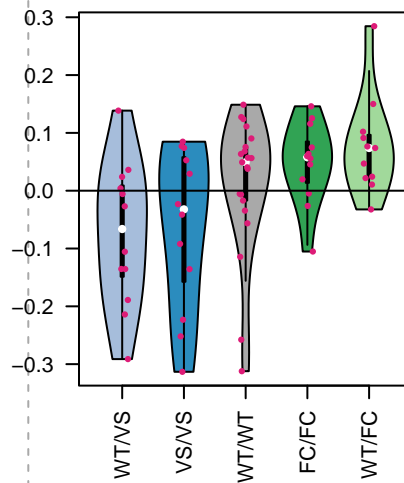
PC1 by genotype



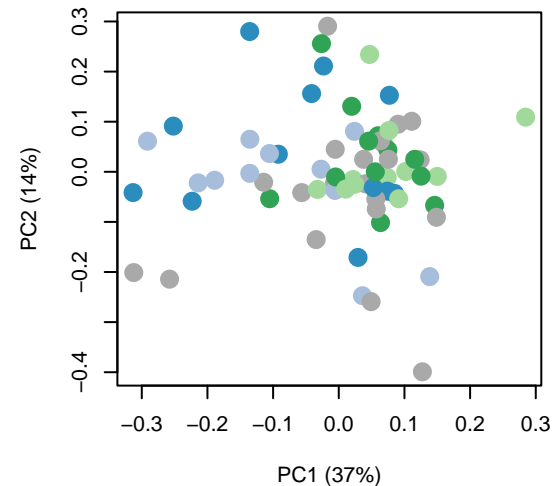
ECM-receptor interaction : Apoptosis



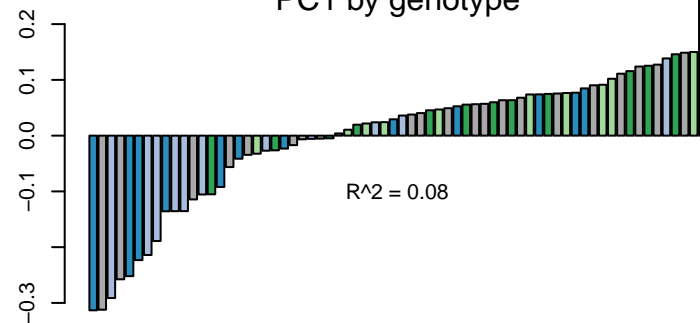
PC1



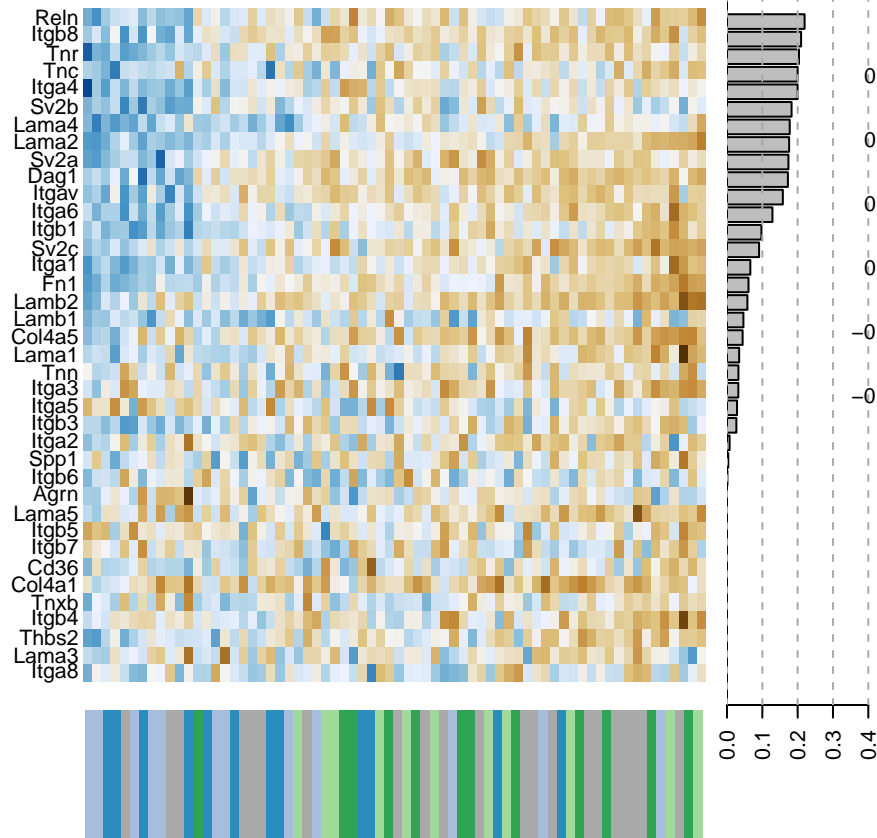
Decomposition



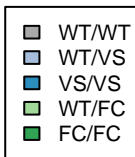
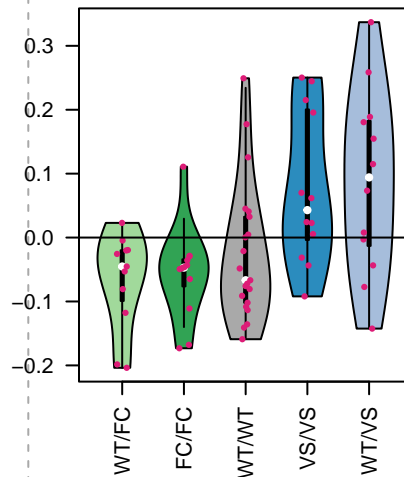
PC1 by genotype



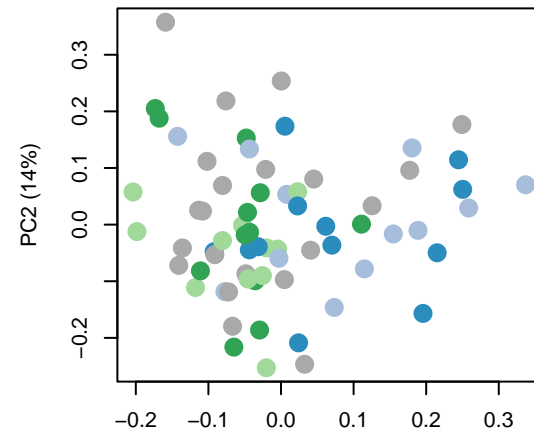
ECM-receptor interaction : Synapse



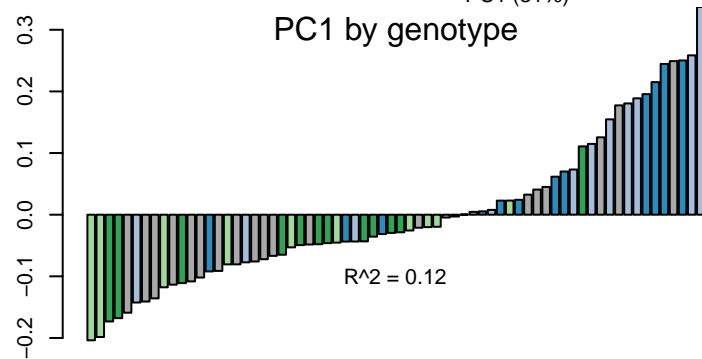
PC1



Decomposition

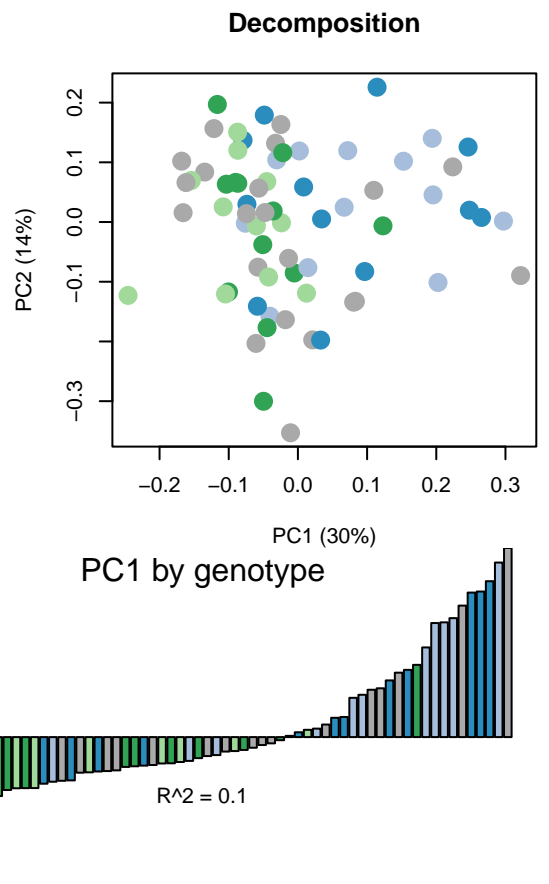
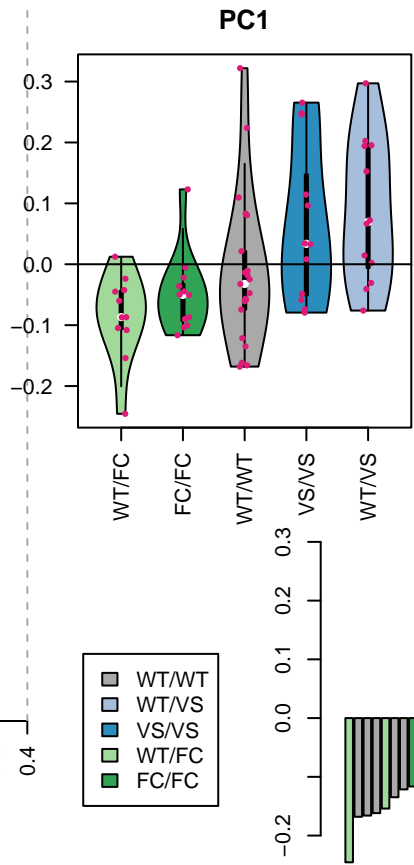
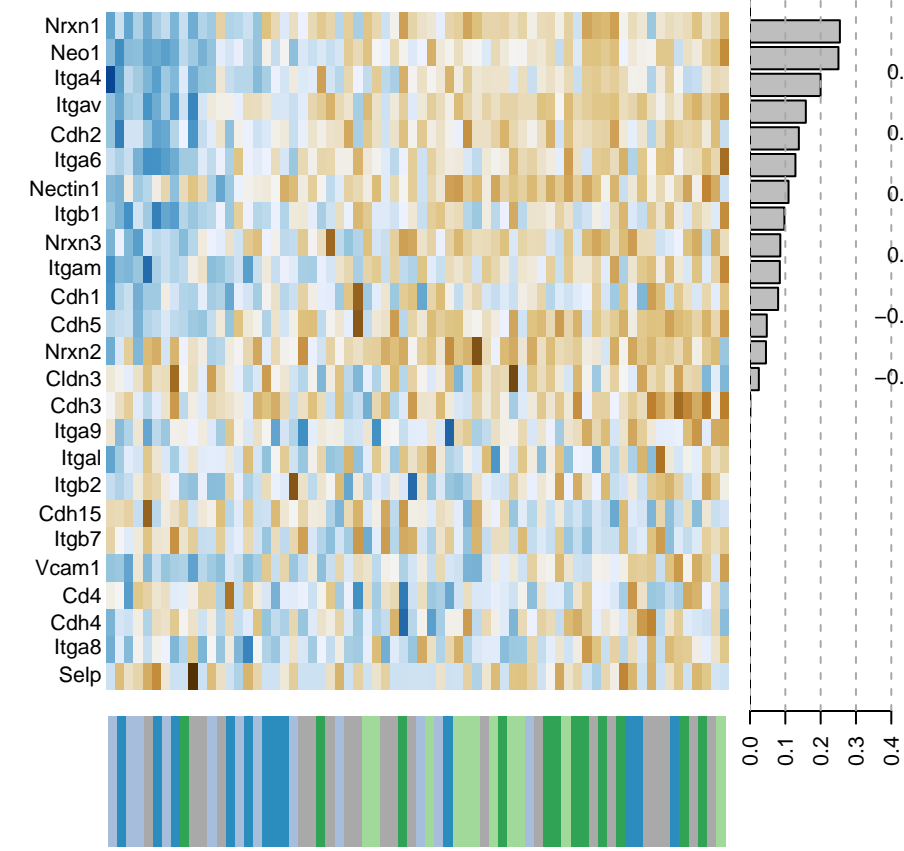


PC1 by genotype

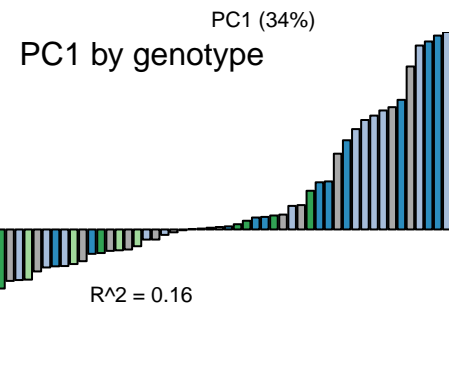
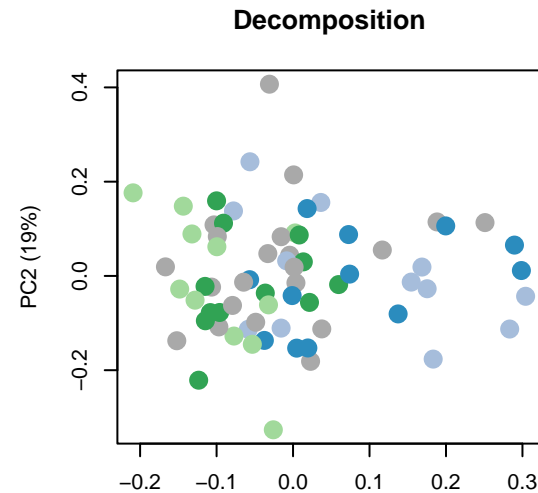
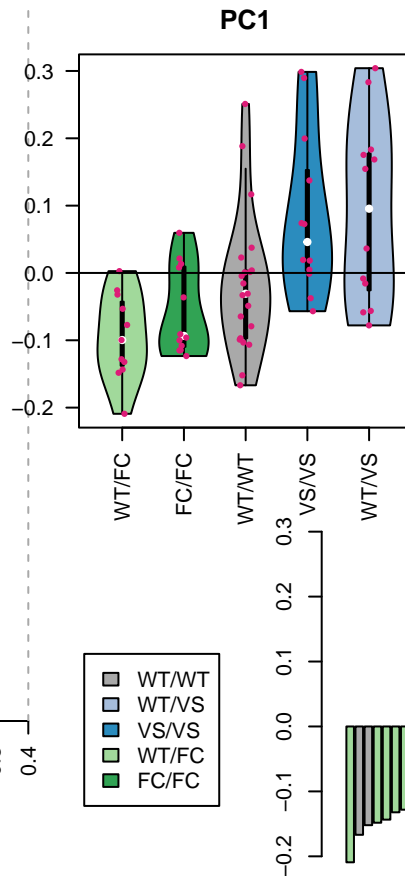
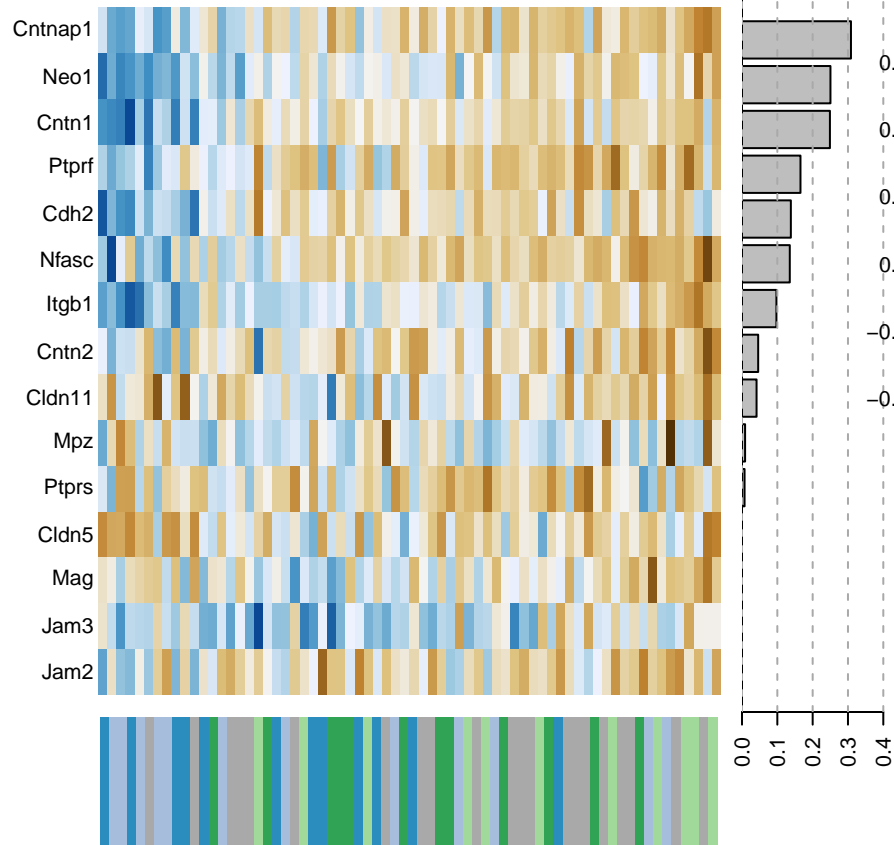


$R^2 = 0.12$

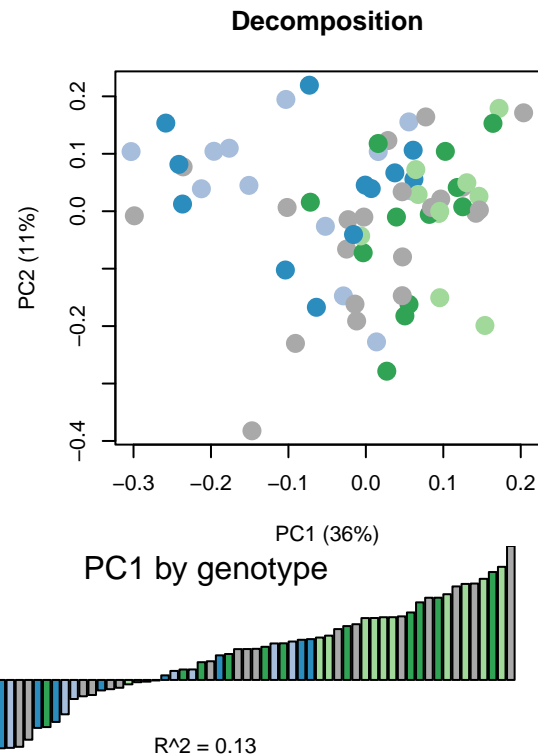
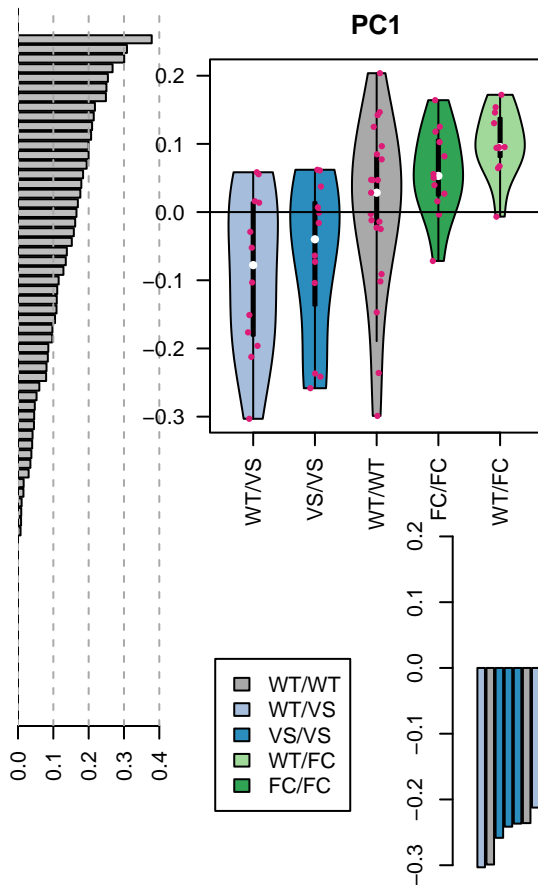
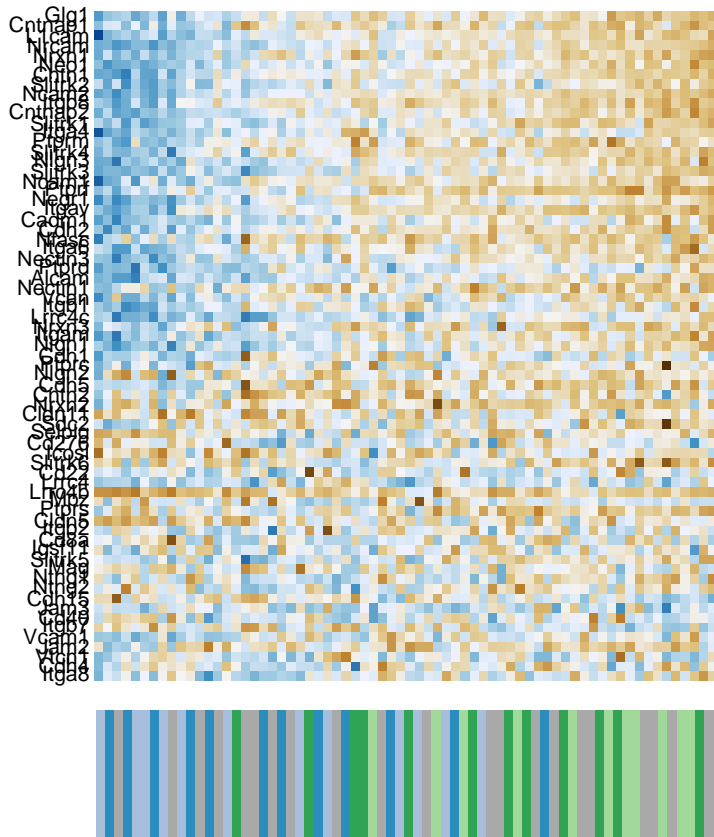
Cell adhesion molecules : Metal Binding and Homeostasis



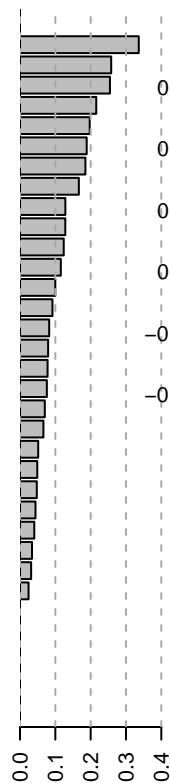
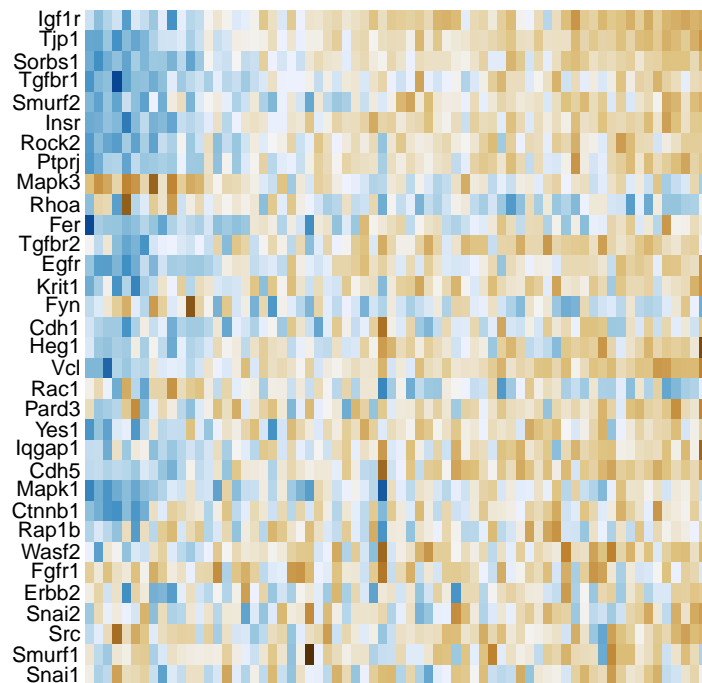
Cell adhesion molecules : Myelination



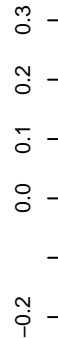
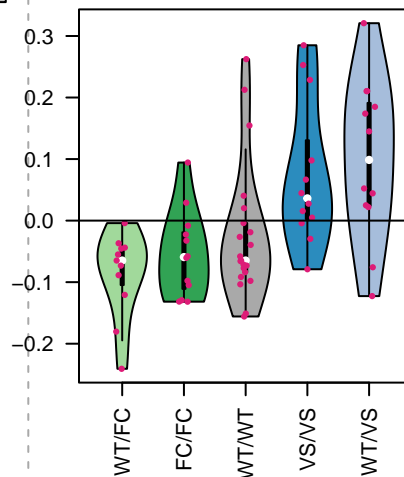
Cell adhesion molecules : Synapse



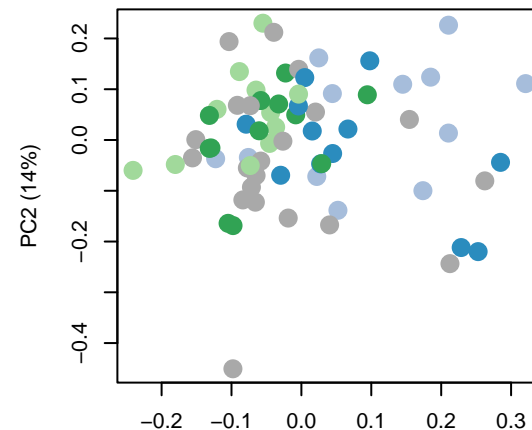
Adherens junction : Lipid Metabolism



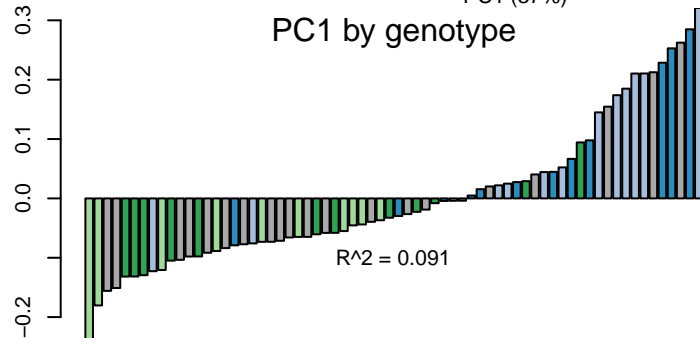
PC1



Decomposition

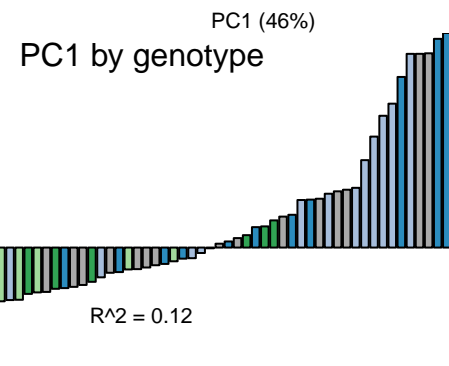
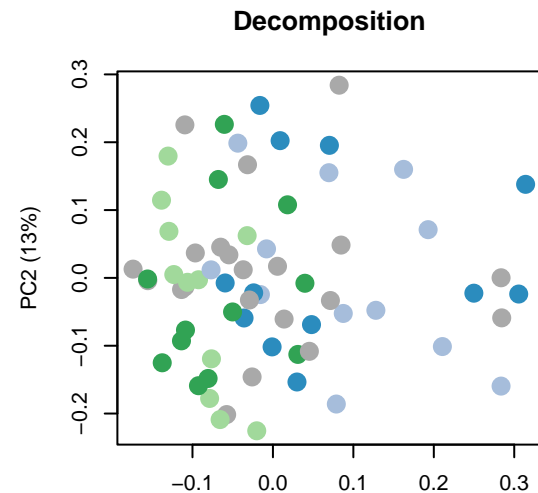
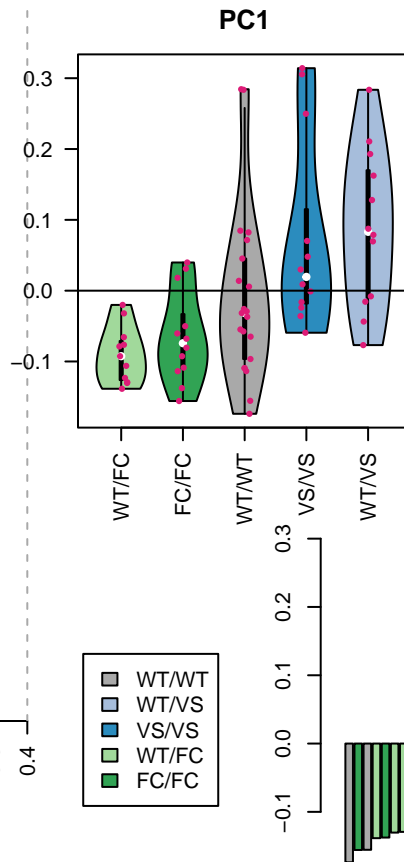
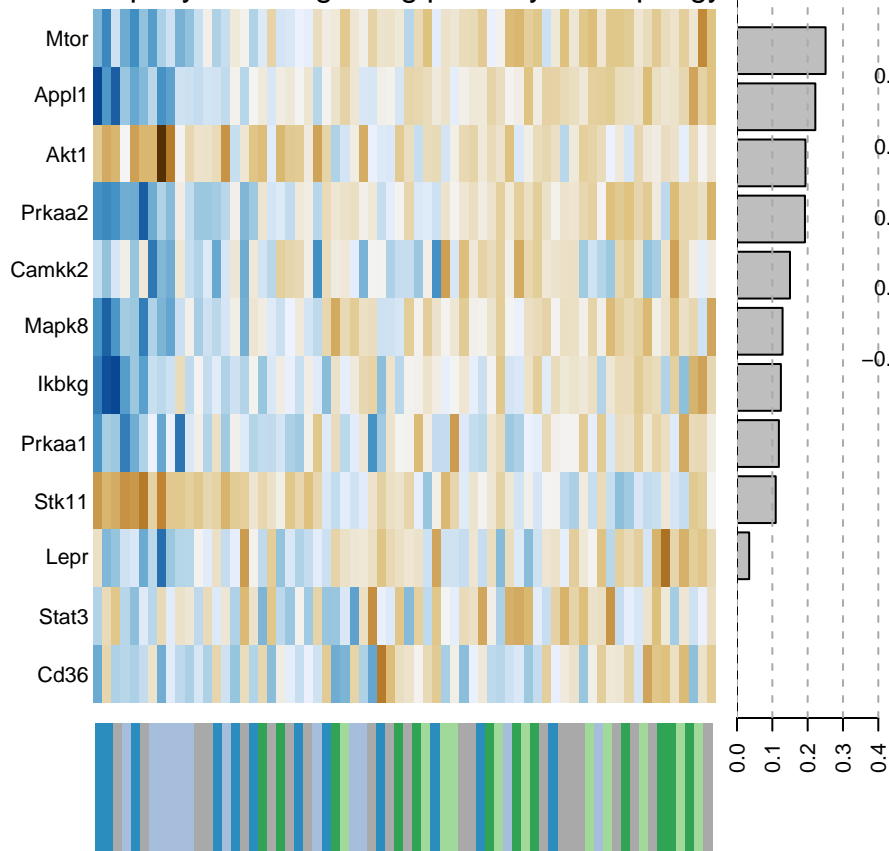


PC1 by genotype

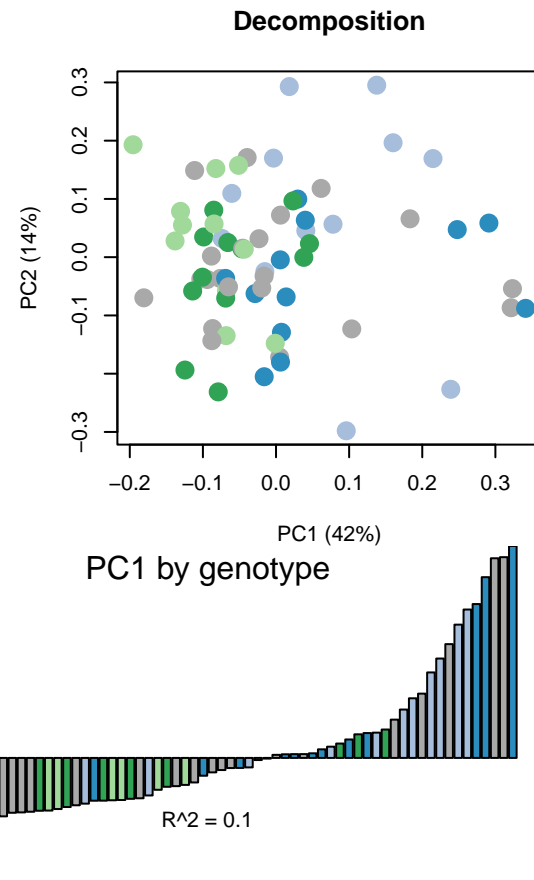
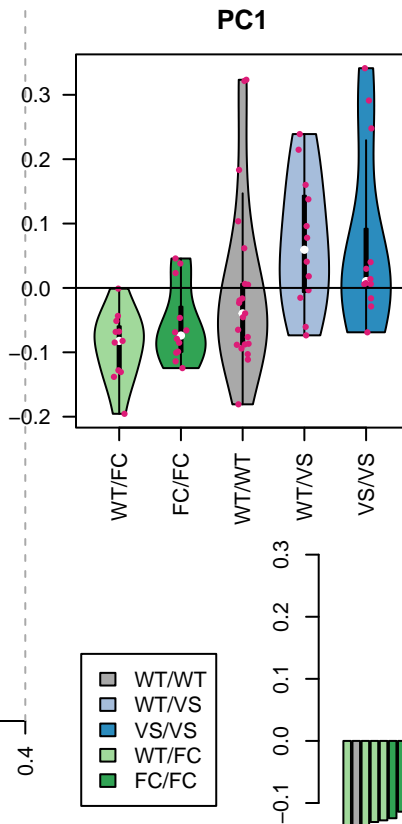
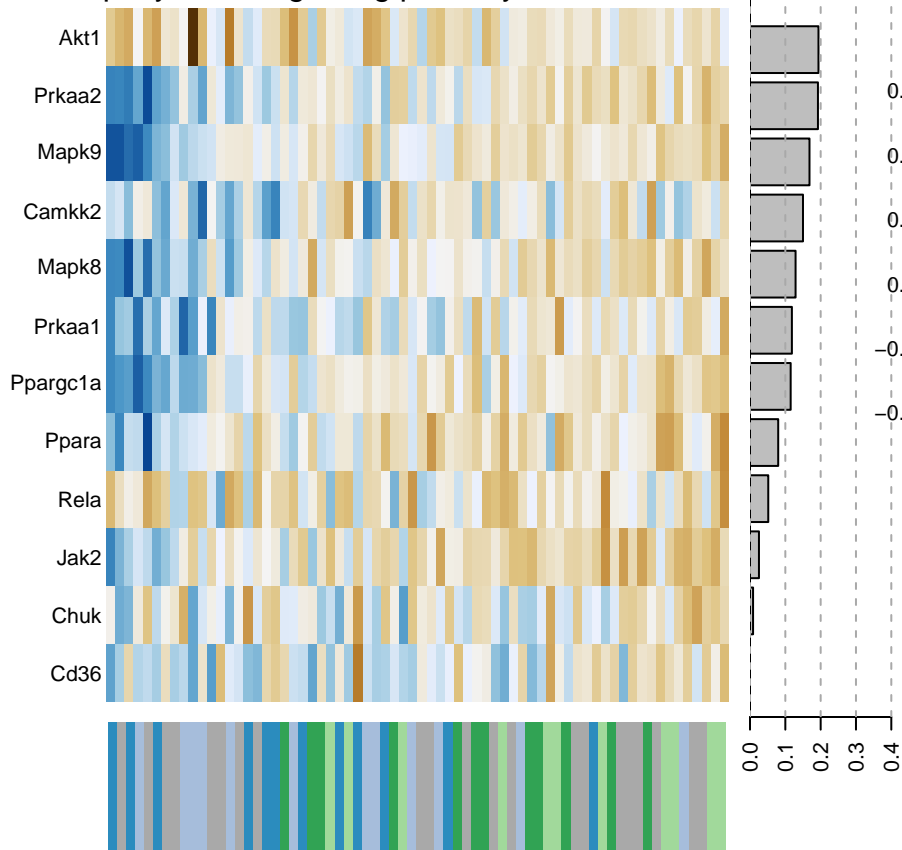


$R^2 = 0.091$

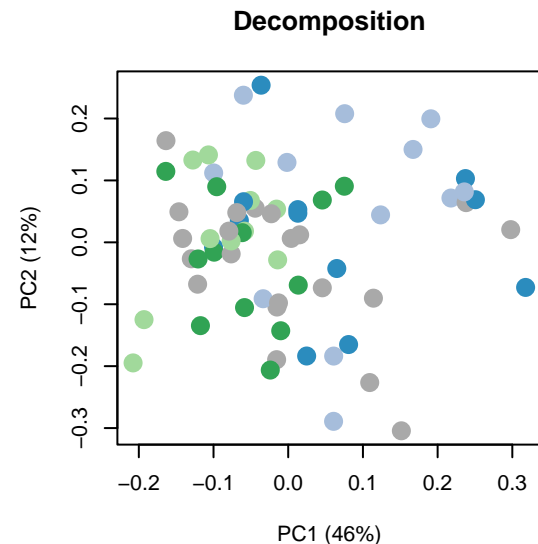
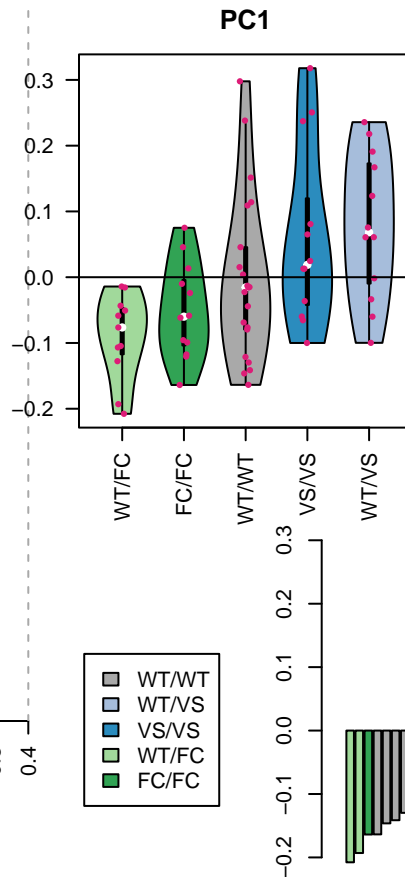
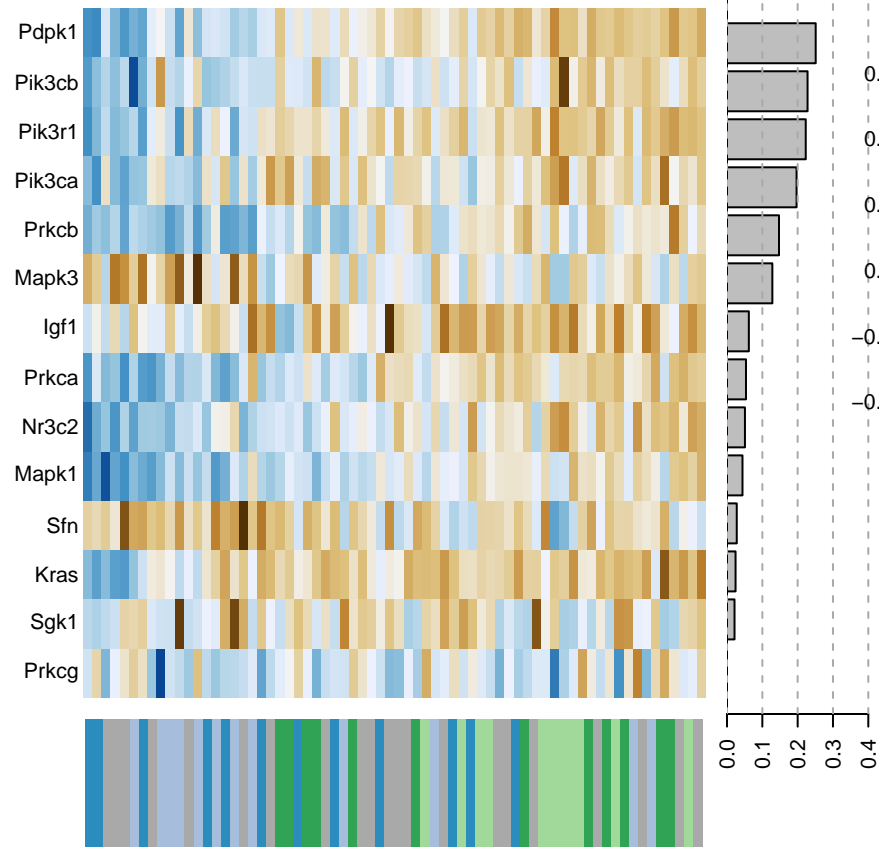
Adipocytokine signaling pathway : Autophagy



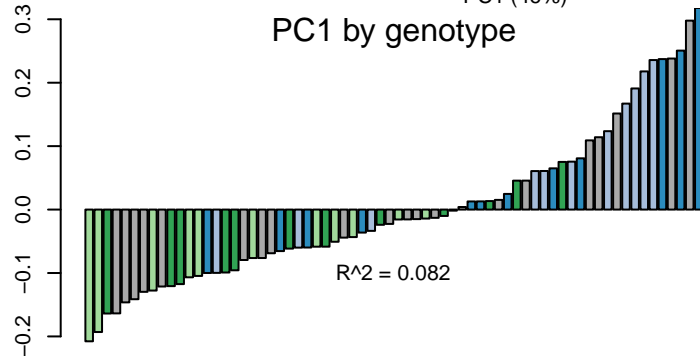
Adipocytokine signaling pathway : Oxidative Stress



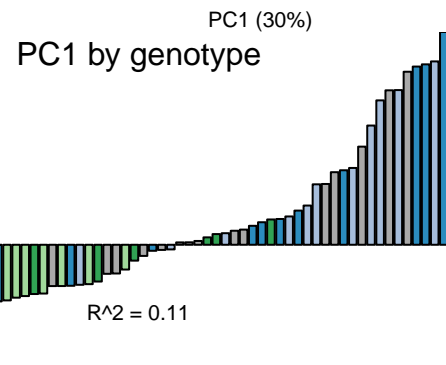
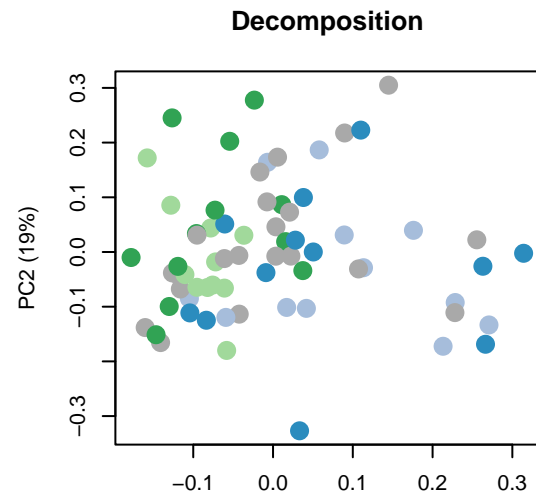
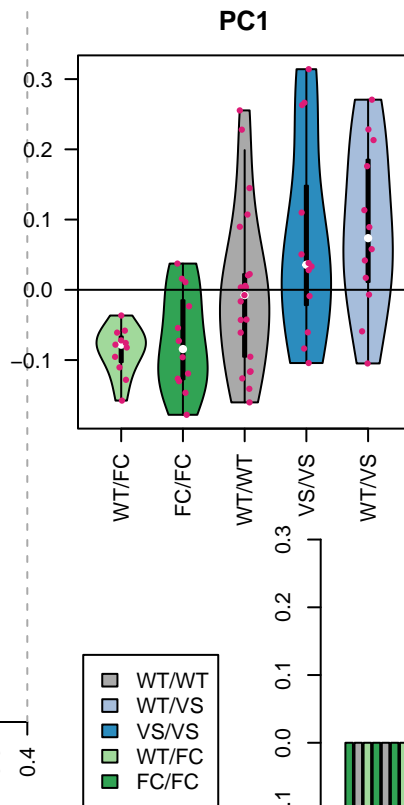
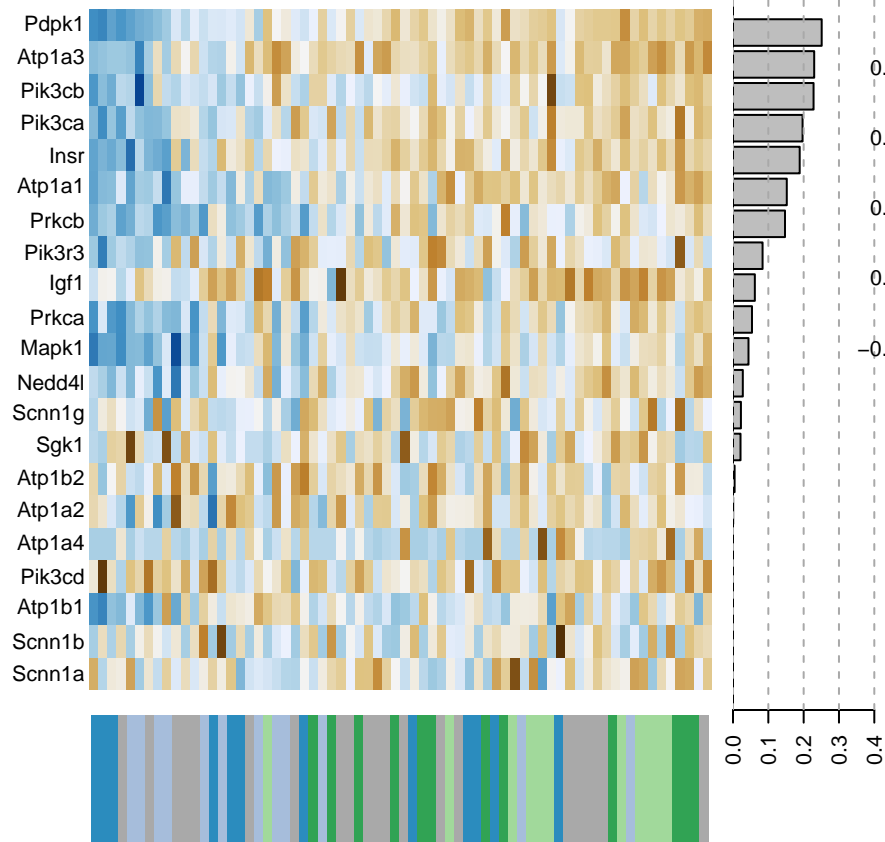
Aldosterone-regulated sodium reabsorption : Apoptosis



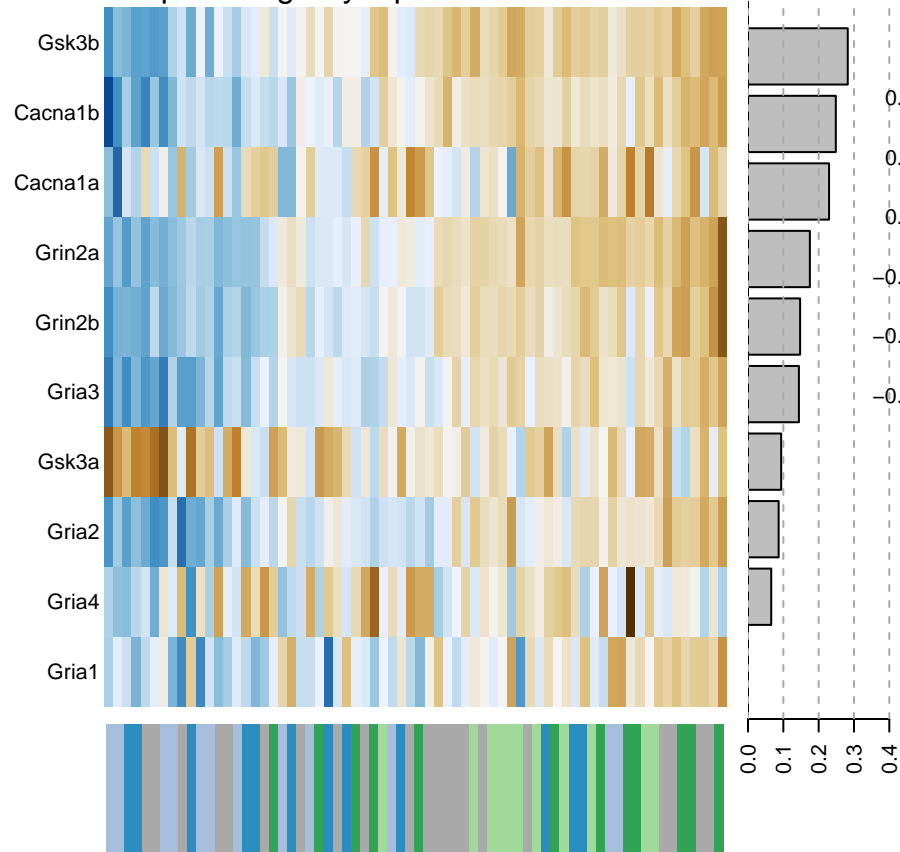
PC1 by genotype



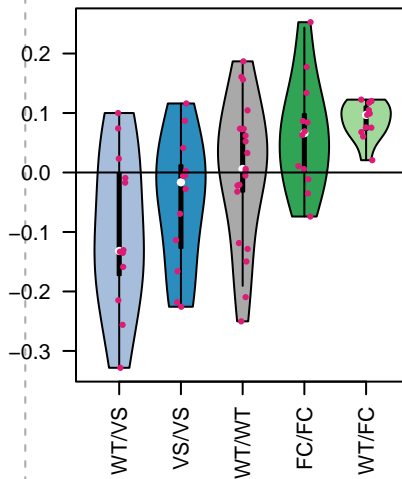
Aldosterone-regulated sodium reabsorption : Vasculature



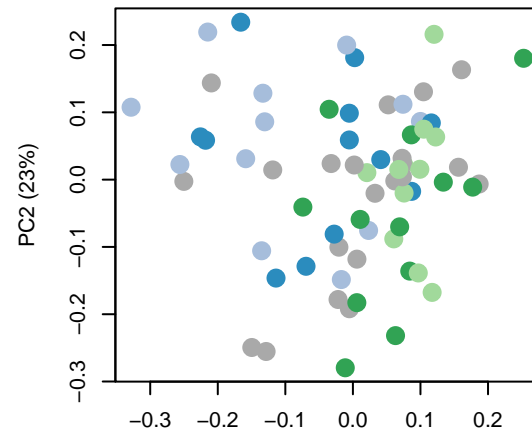
Dopaminergic synapse : APP Metabolism



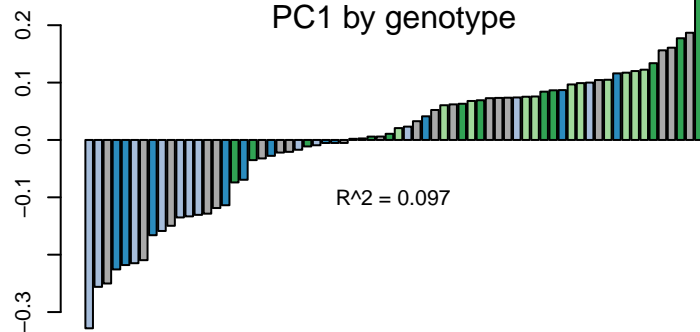
PC1



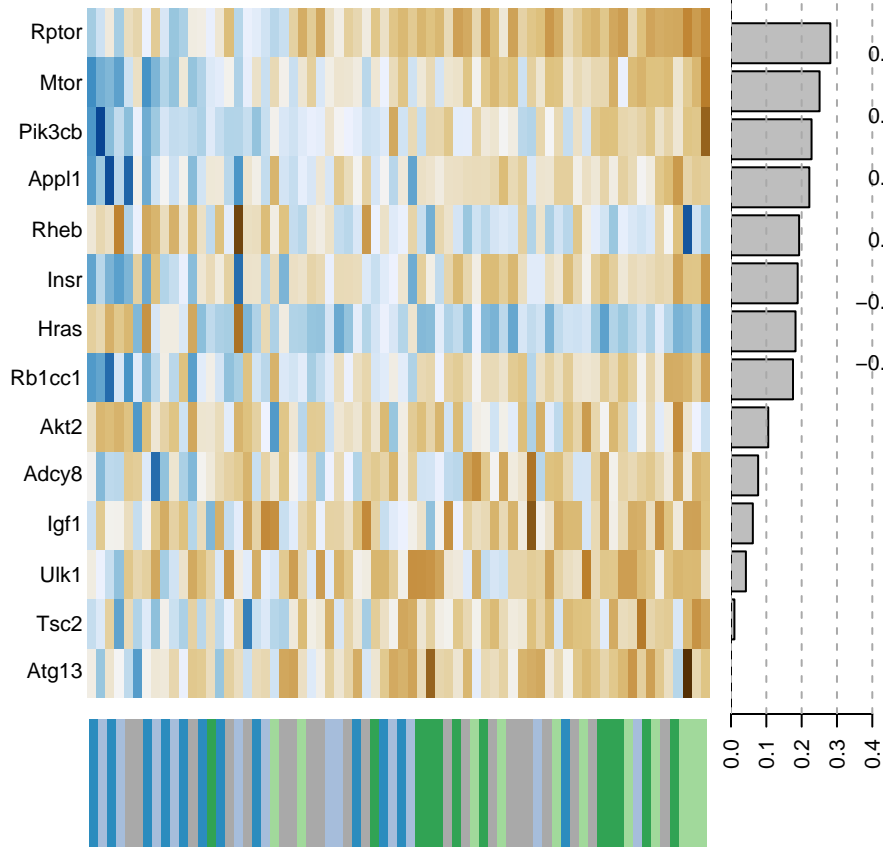
Decomposition



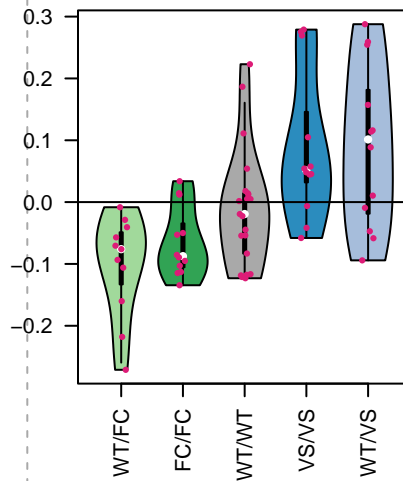
PC1 by genotype



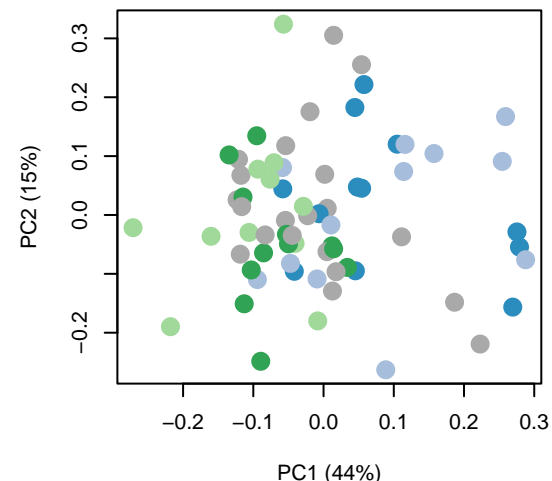
Longevity regulating pathway : Endolysosome



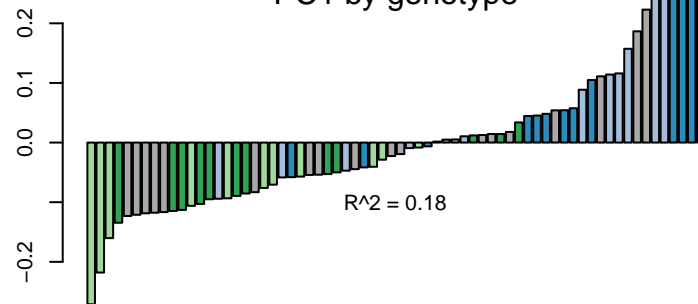
PC1



Decomposition

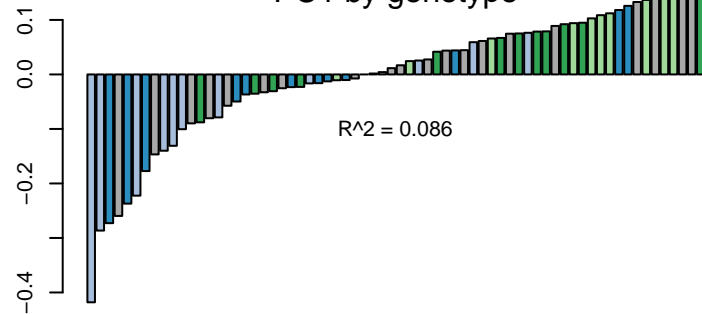
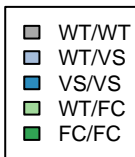
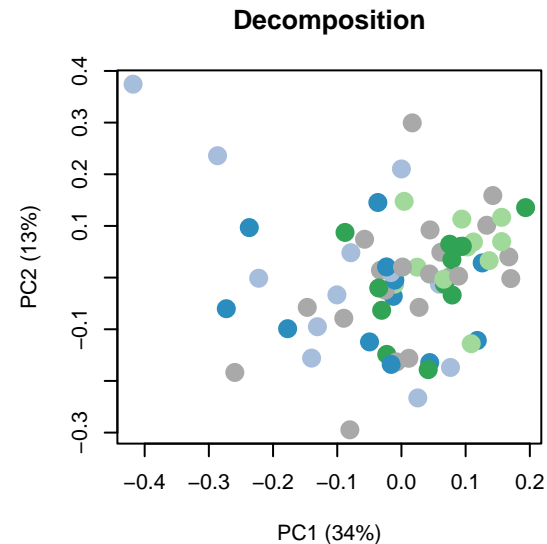
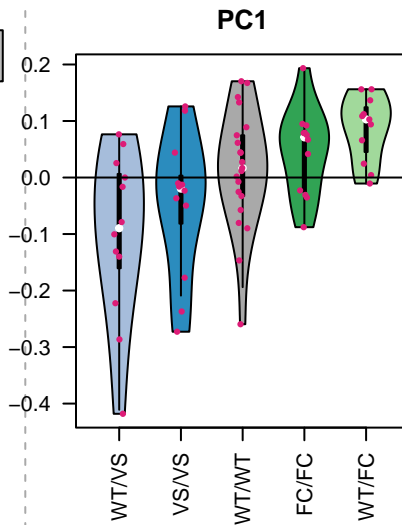
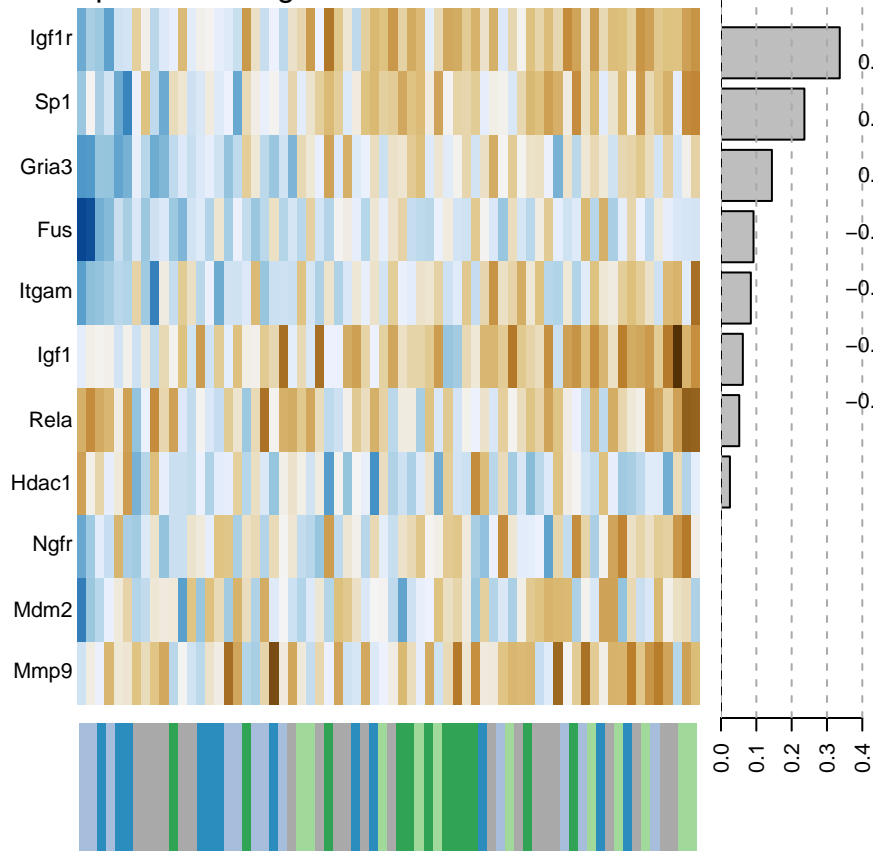


PC1 by genotype

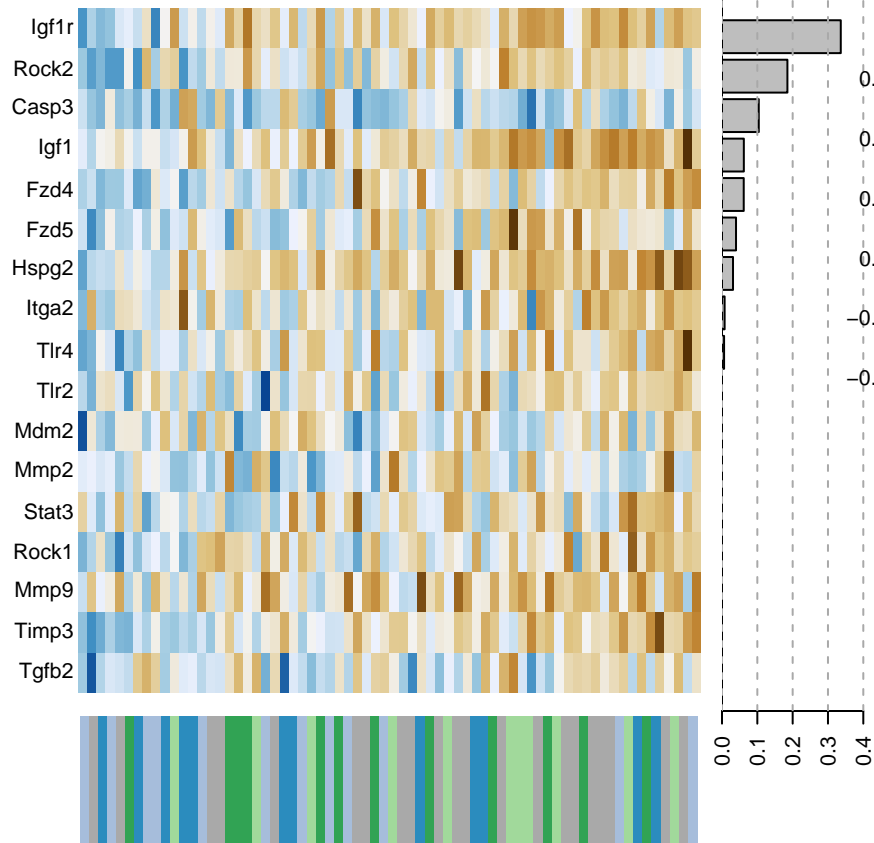


$R^2 = 0.18$

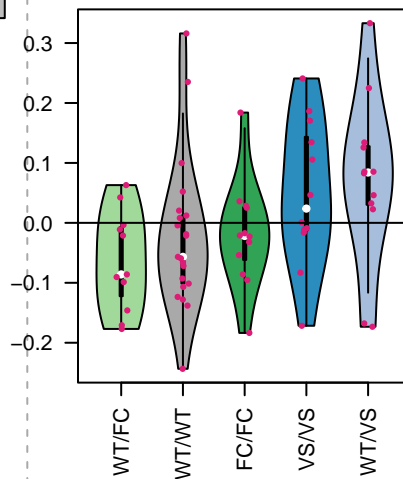
Transcriptional misregulation in cancer : APP Metabolism



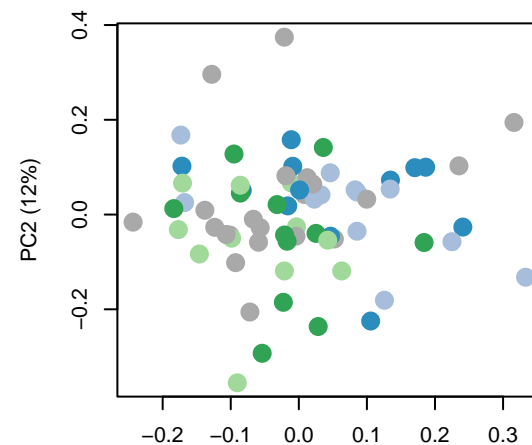
Proteoglycans in cancer : APP Metabolism



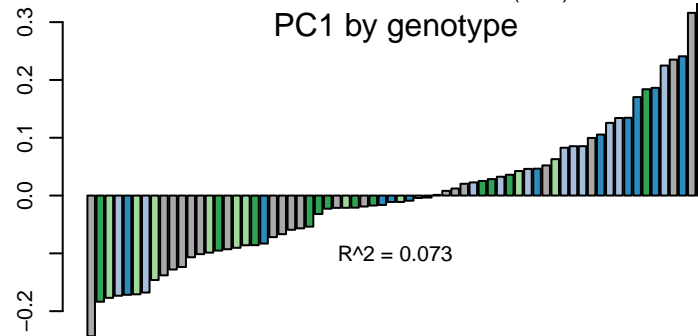
PC1



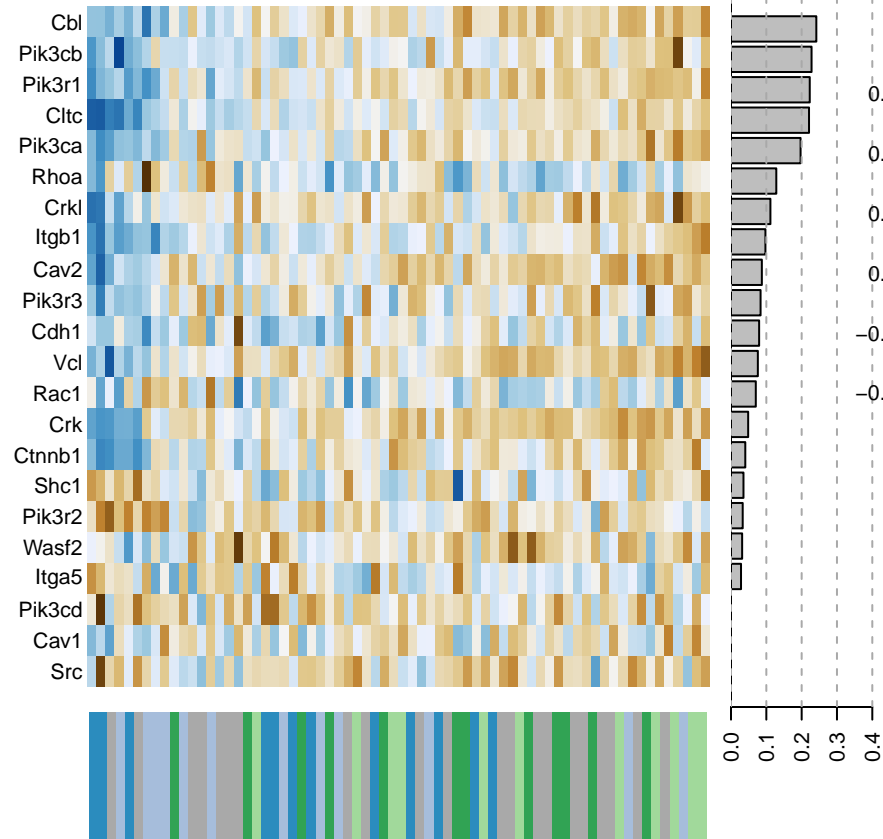
Decomposition



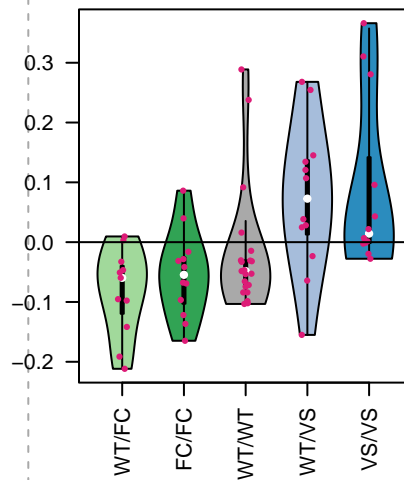
PC1 by genotype



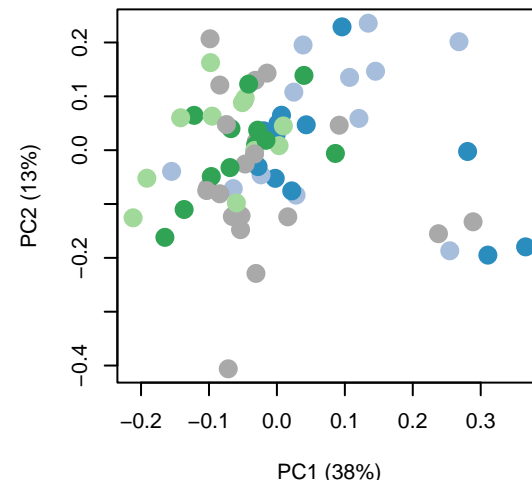
Bacterial invasion of epithelial cells : Lipid Metabolism



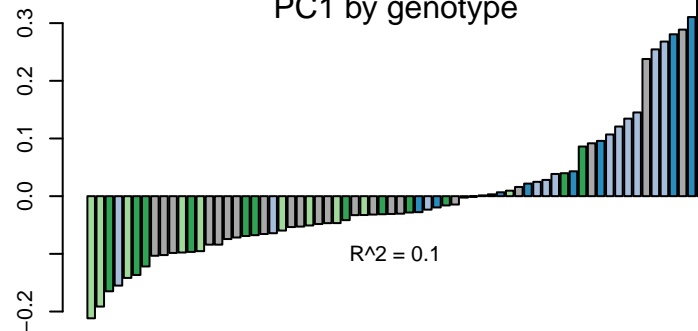
PC1



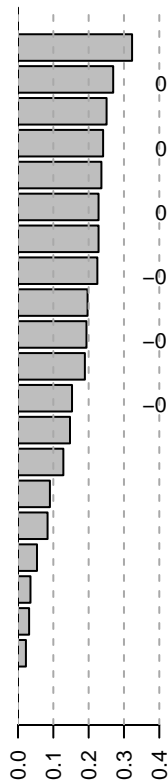
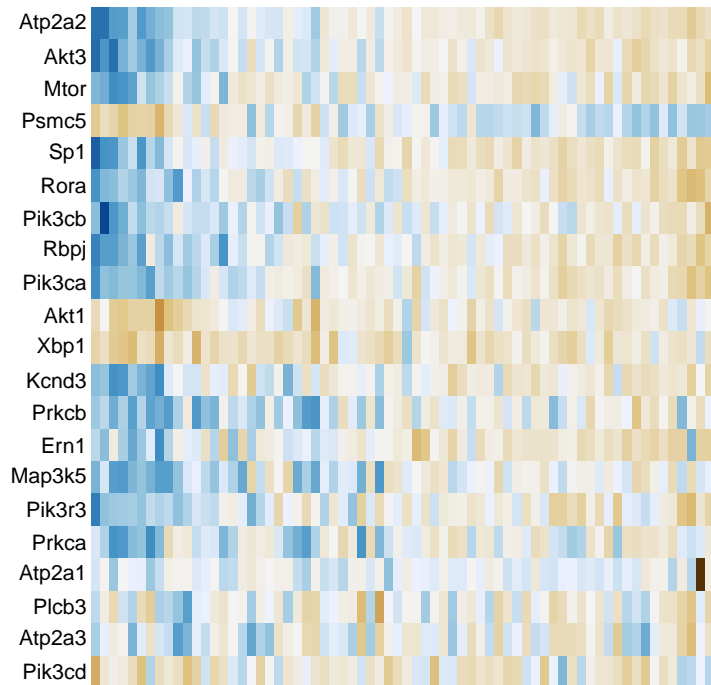
Decomposition



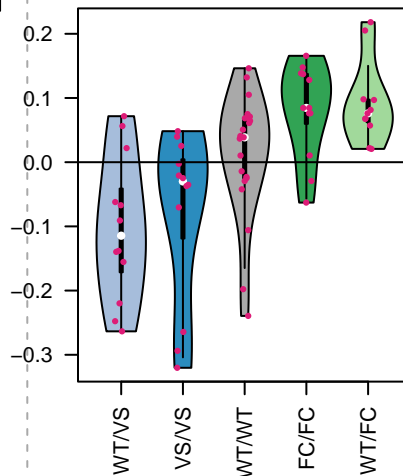
PC1 by genotype



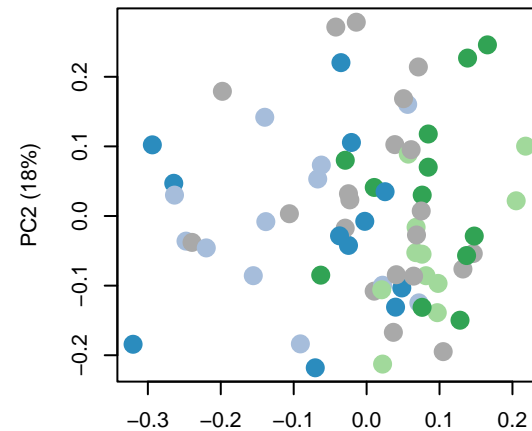
Spinocerebellar ataxia : Vasculature



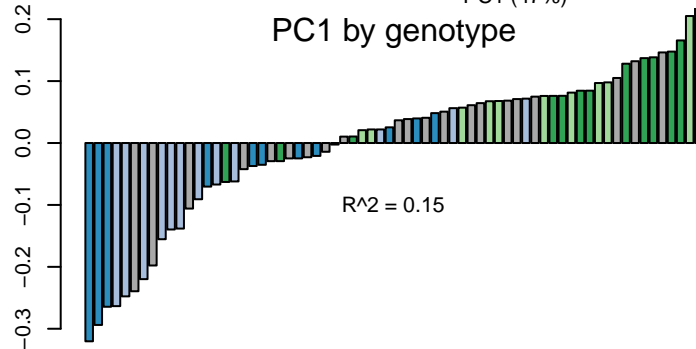
PC1



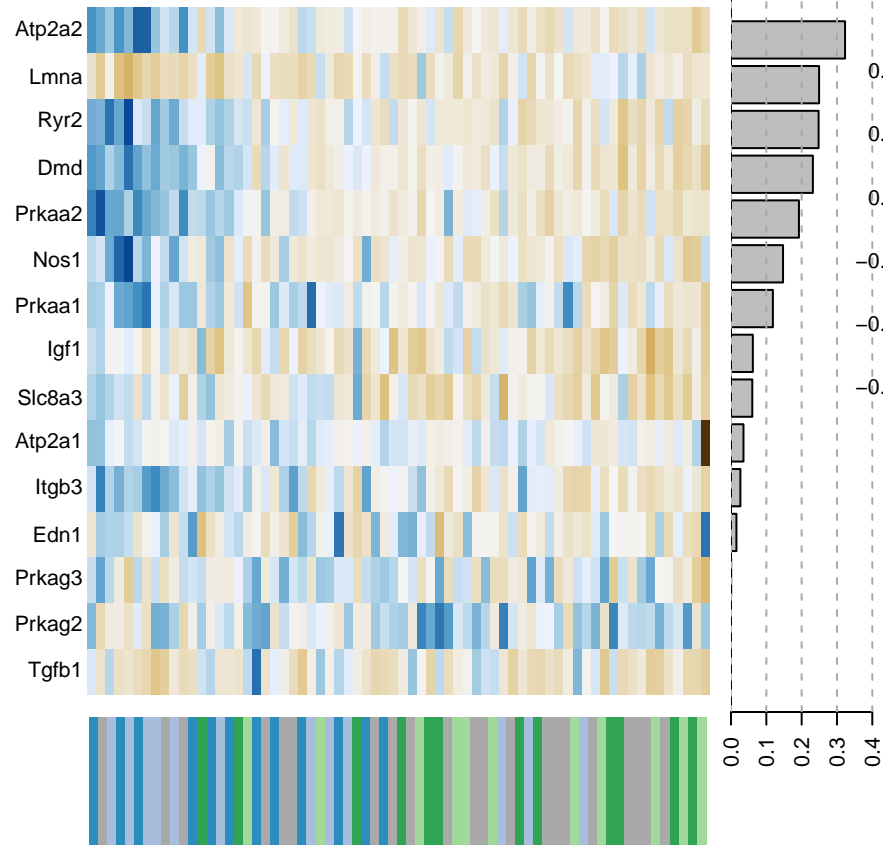
Decomposition



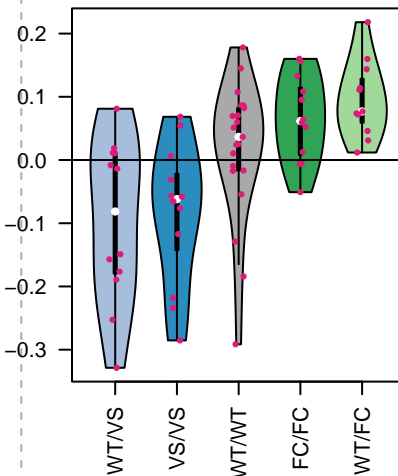
PC1 by genotype



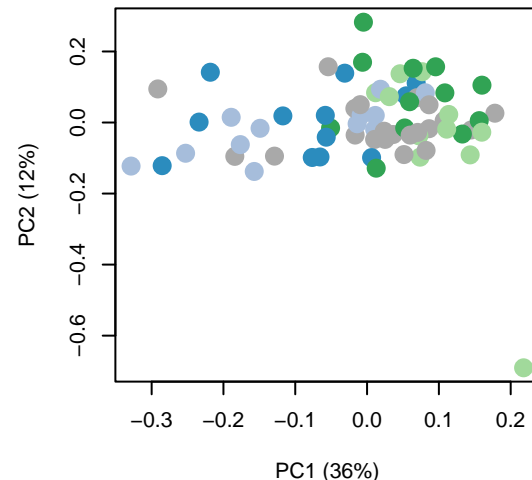
Hypertrophic cardiomyopathy : Mitochondrial Metabolism



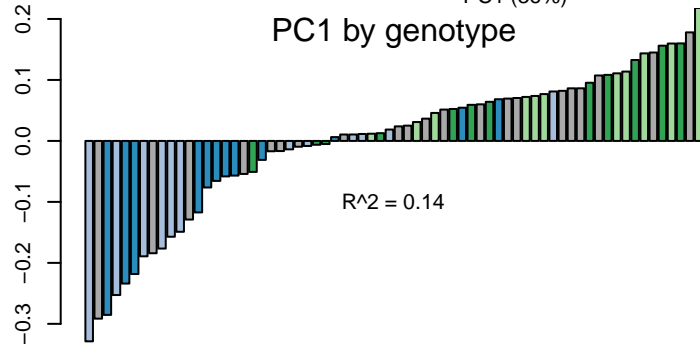
PC1



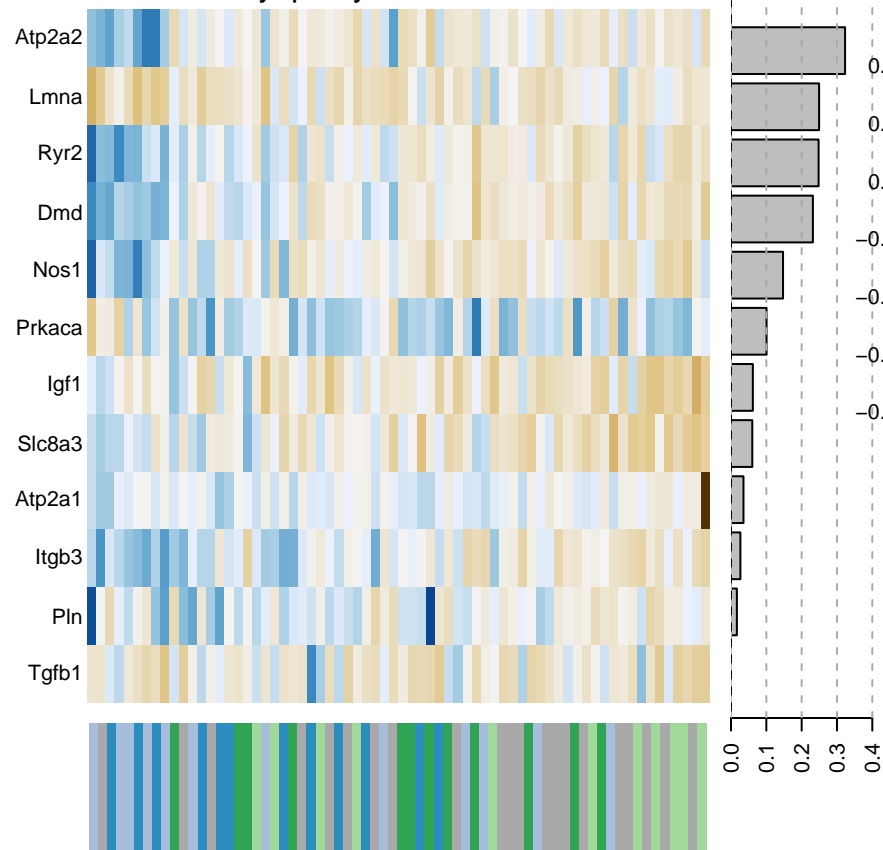
Decomposition



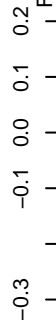
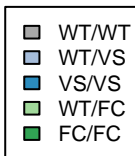
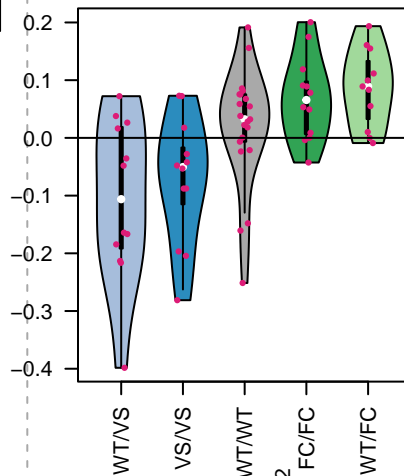
PC1 by genotype



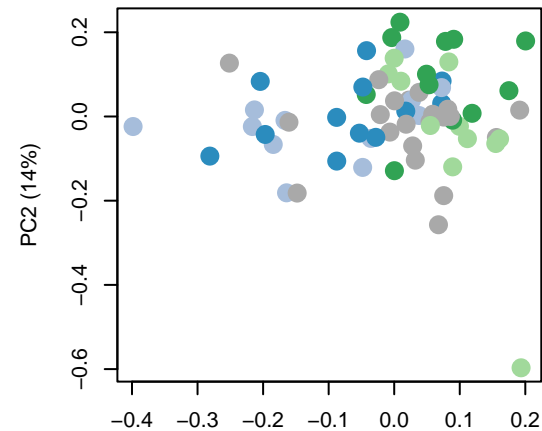
Dilated cardiomyopathy : Mitochondrial Metabolism



PC1

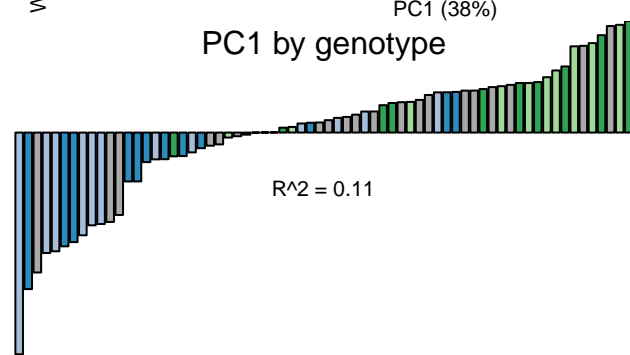


Decomposition

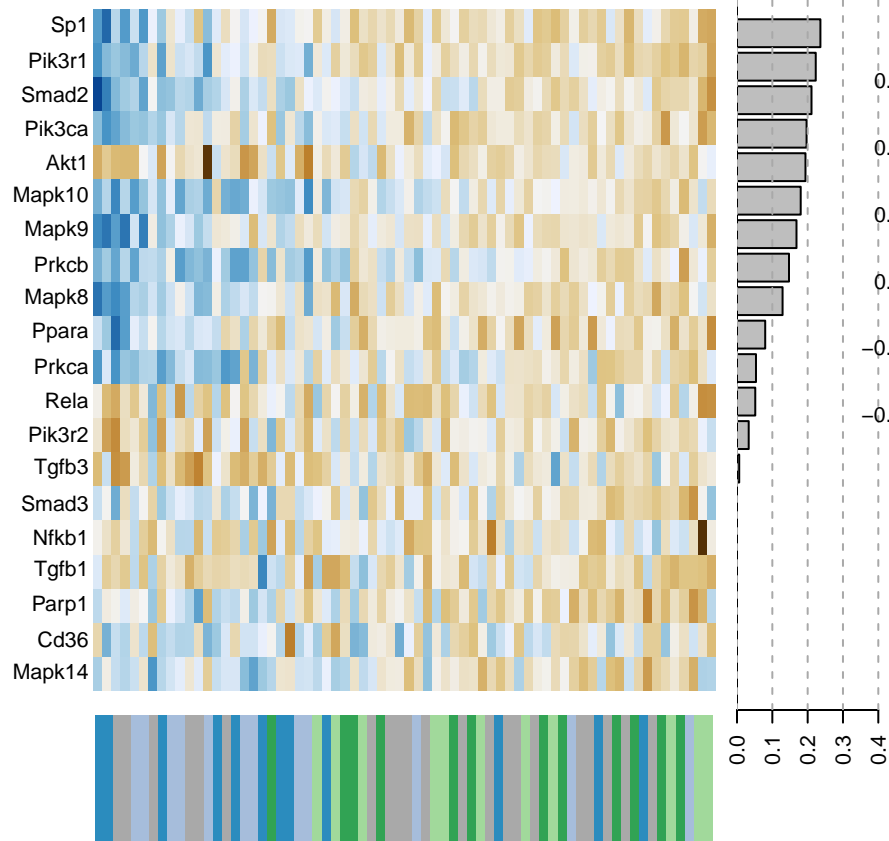


PC1 by genotype

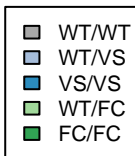
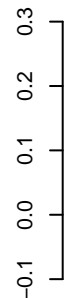
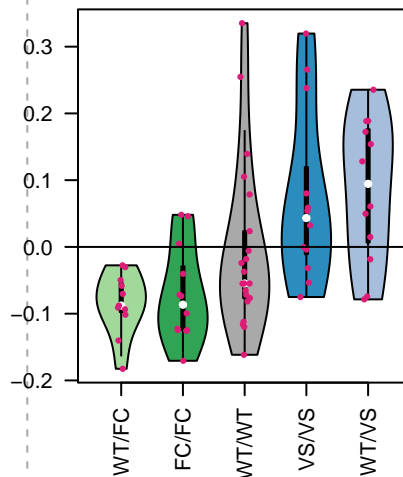
$R^2 = 0.11$



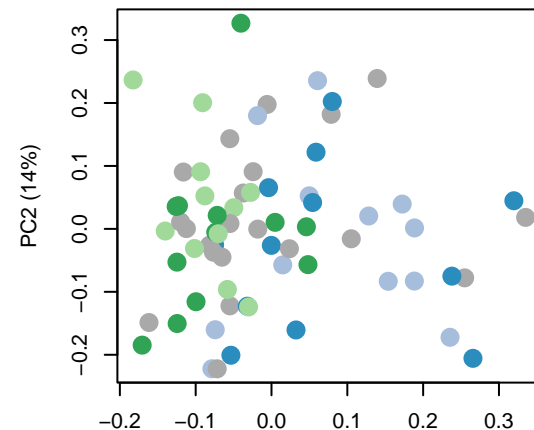
Diabetic cardiomyopathy : Epigenetic



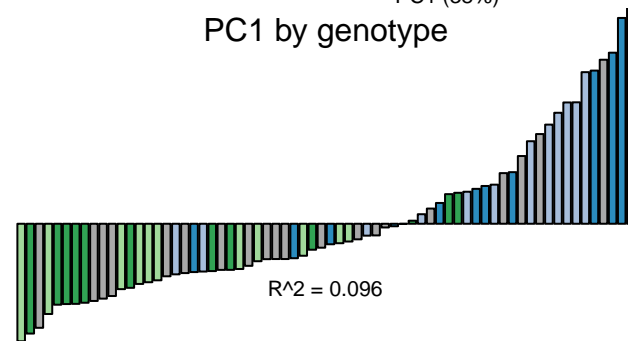
PC1



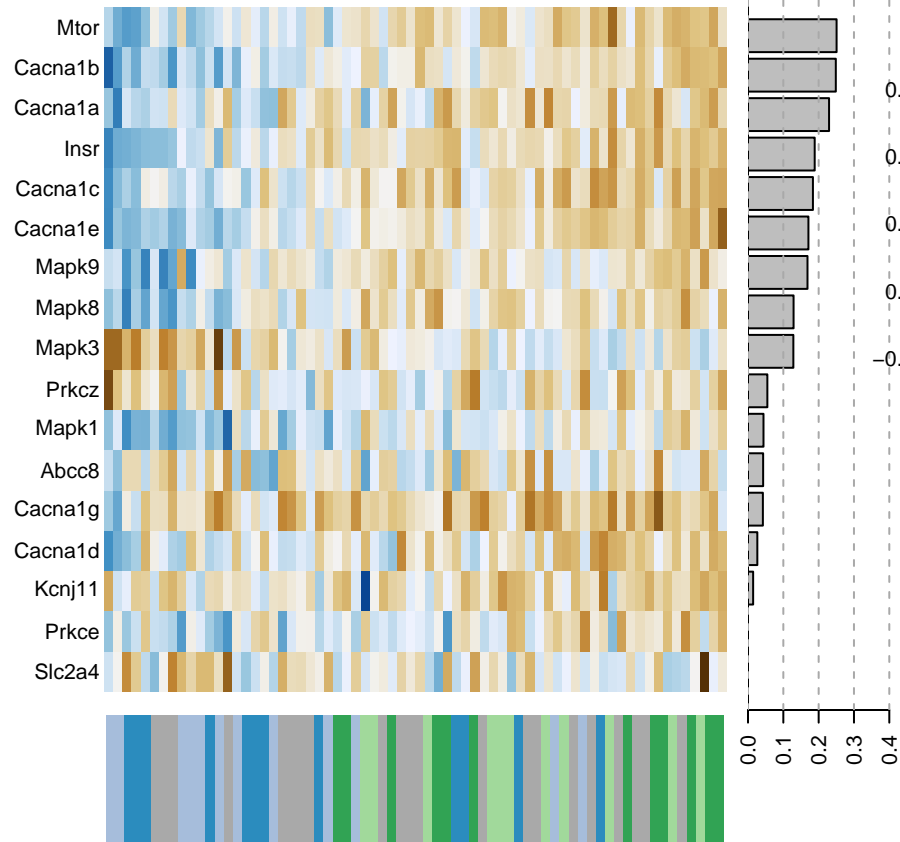
Decomposition



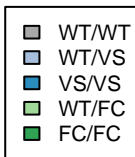
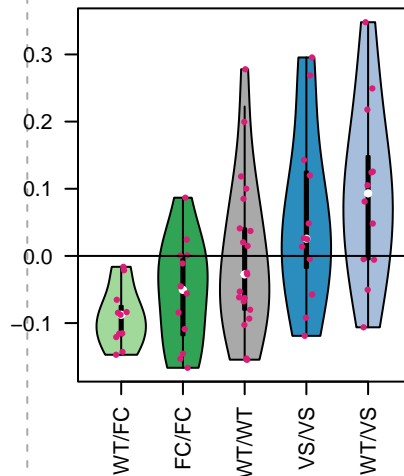
PC1 by genotype



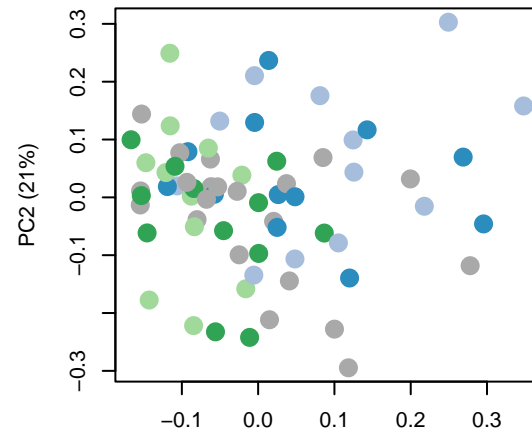
Type II diabetes mellitus : Synapse



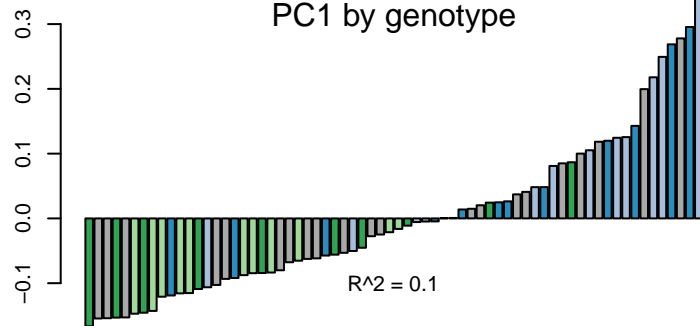
PC1



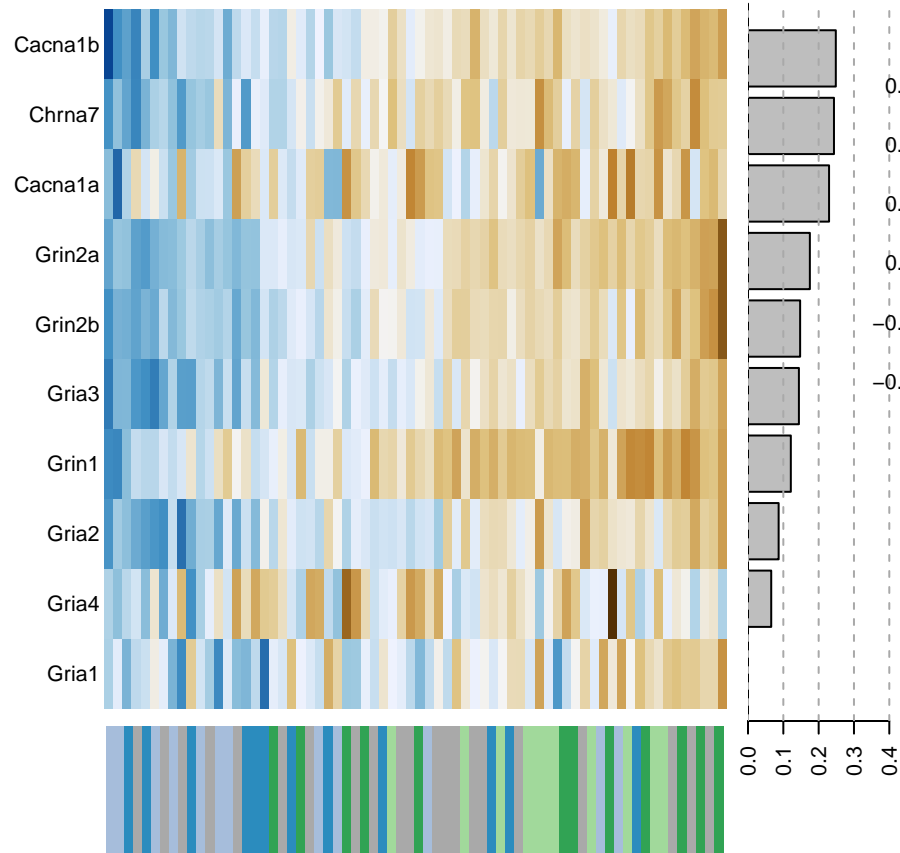
Decomposition



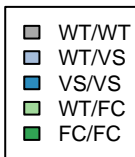
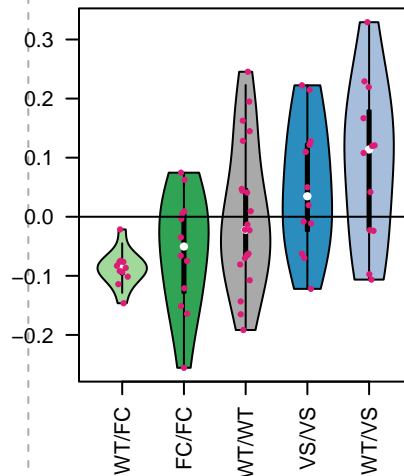
PC1 by genotype



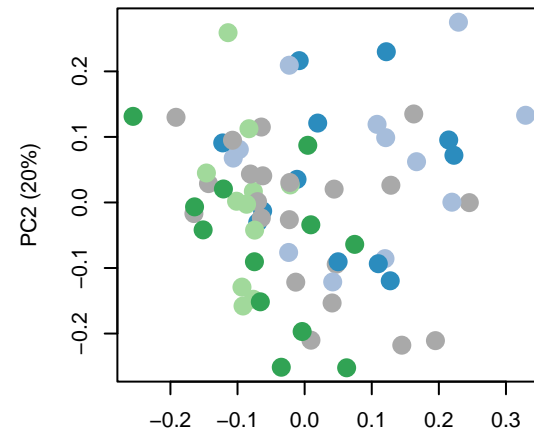
Nicotine addiction : APP Metabolism



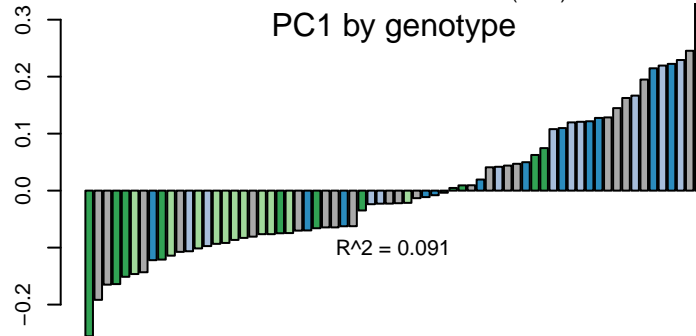
PC1



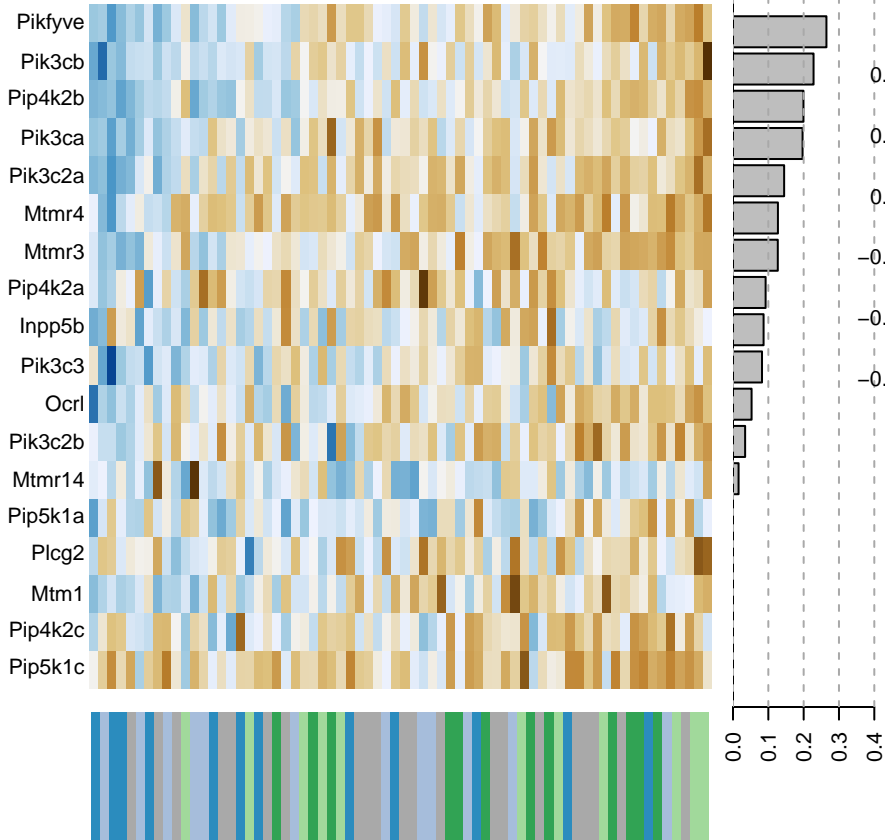
Decomposition



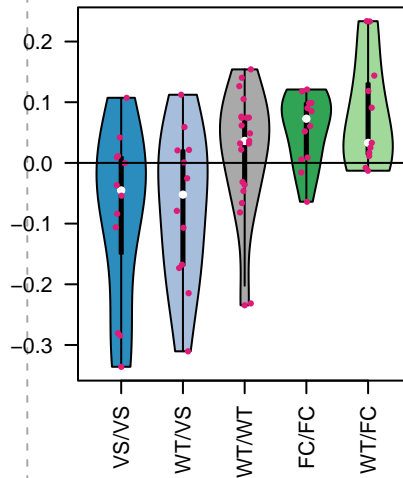
PC1 by genotype



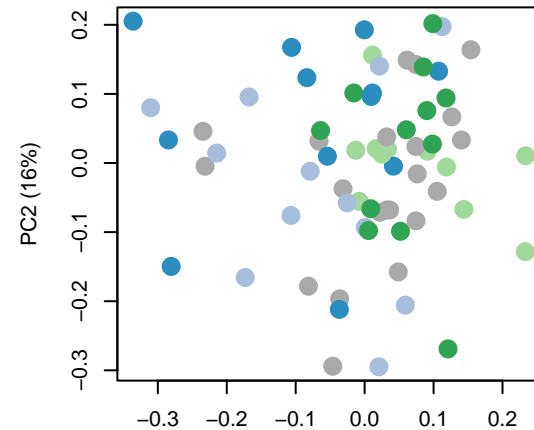
Inositol phosphate metabolism : Autophagy



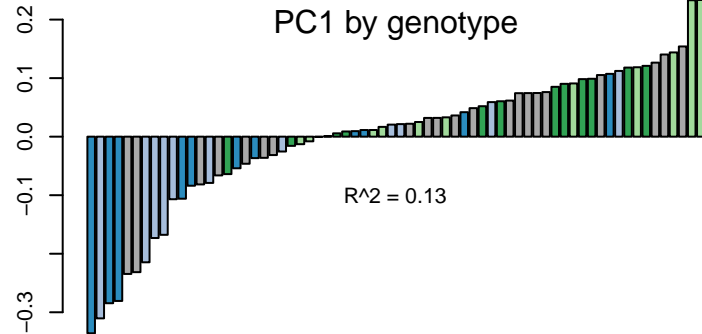
PC1



Decomposition

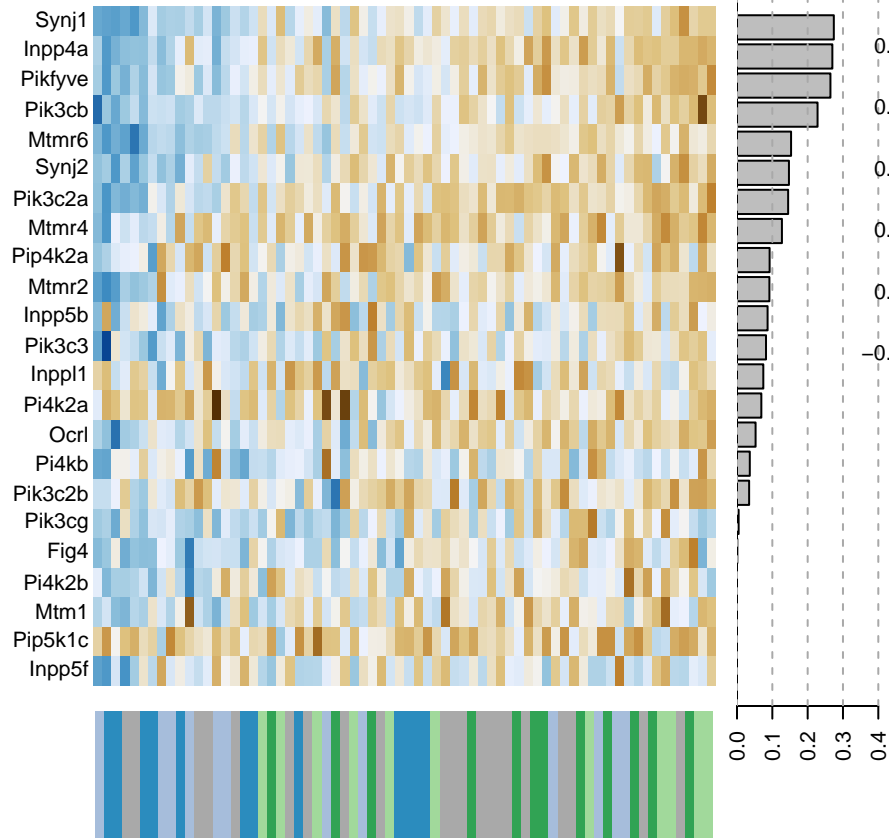


PC1 by genotype

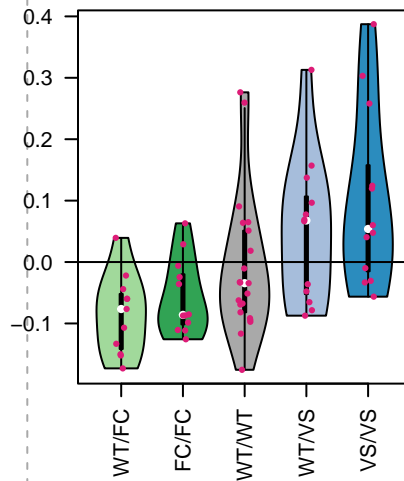


$R^2 = 0.13$

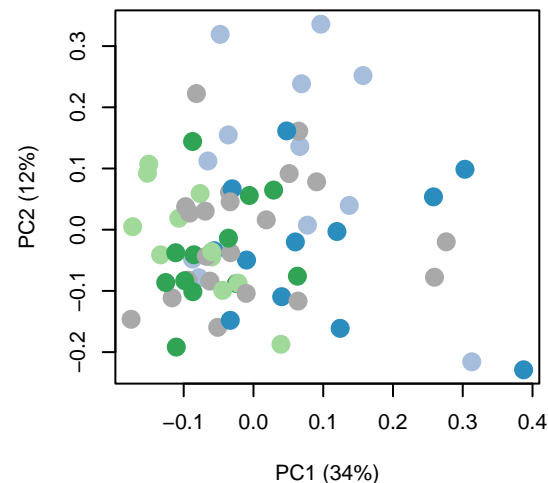
Inositol phosphate metabolism : Endolysosome



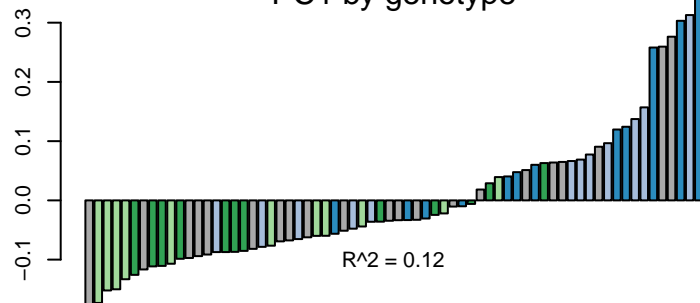
PC1



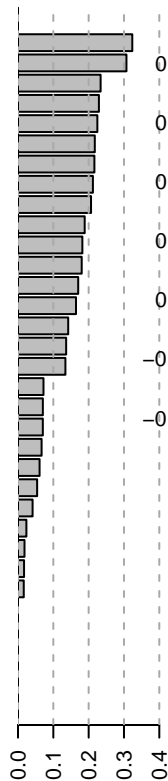
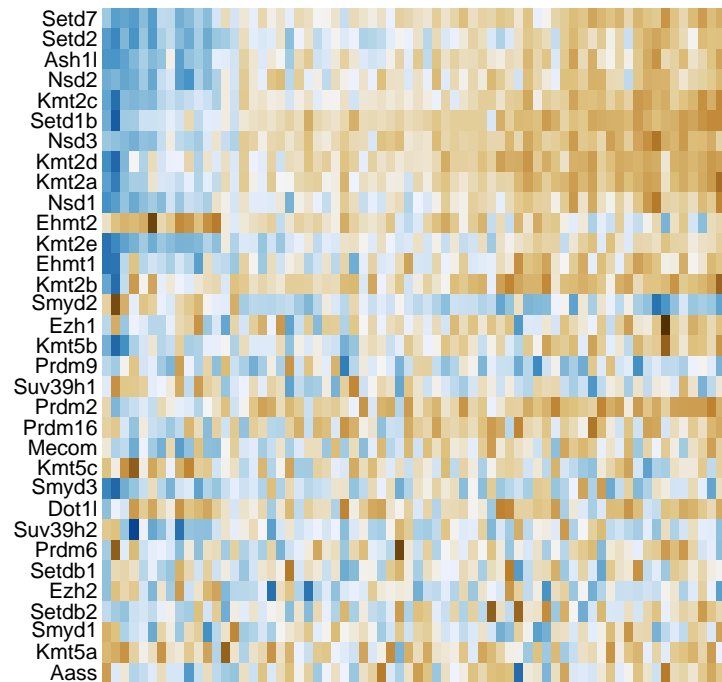
Decomposition



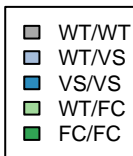
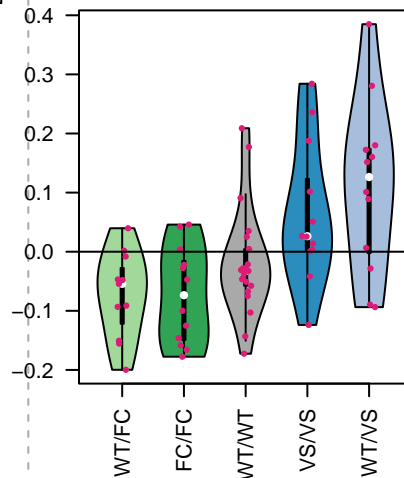
PC1 by genotype



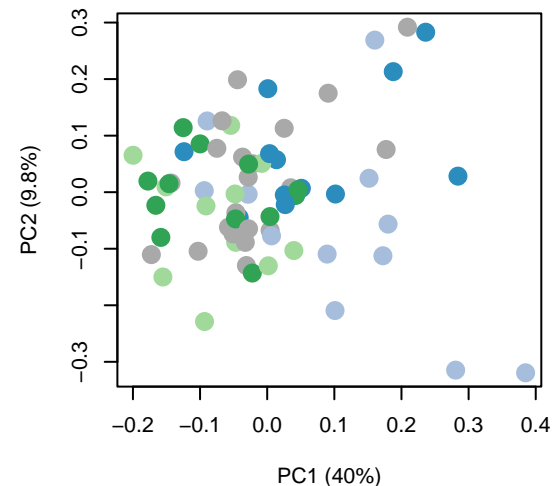
Lysine degradation : Epigenetic



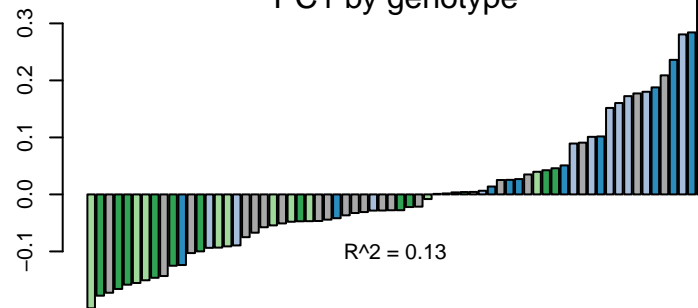
PC1



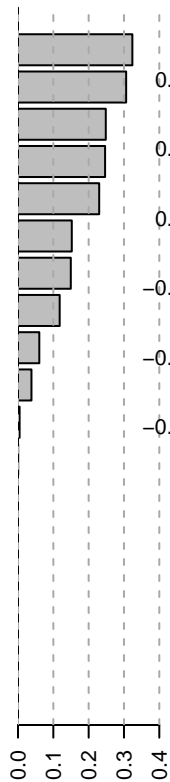
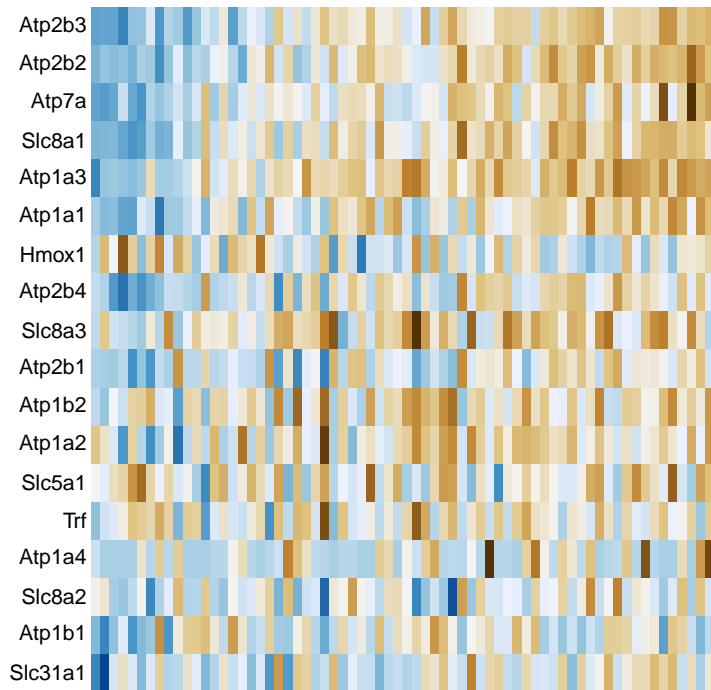
Decomposition



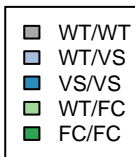
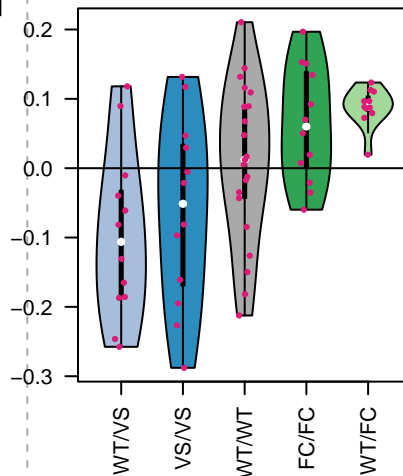
PC1 by genotype



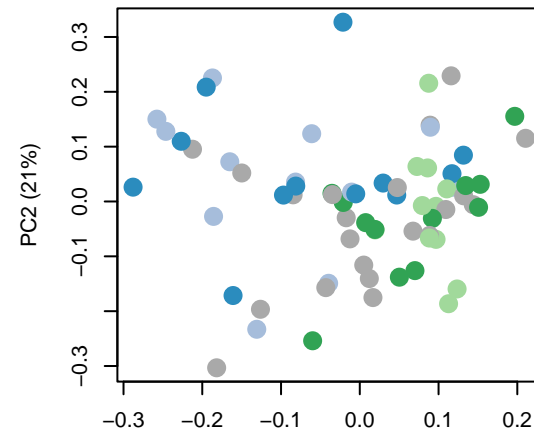
Mineral absorption : Vasculature



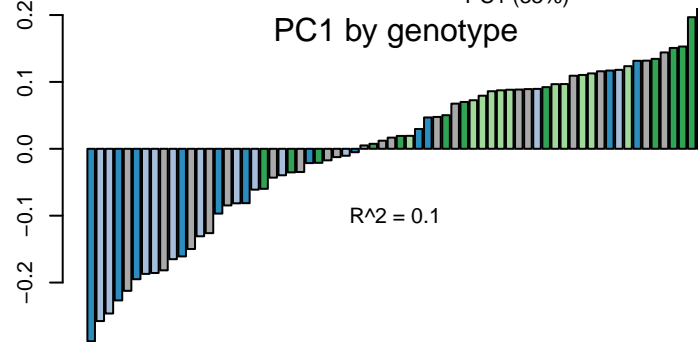
PC1



Decomposition

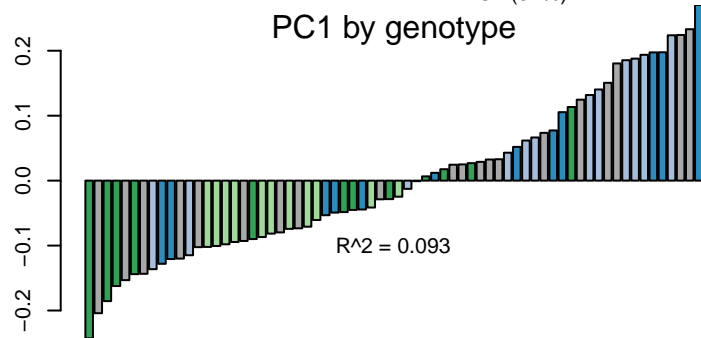
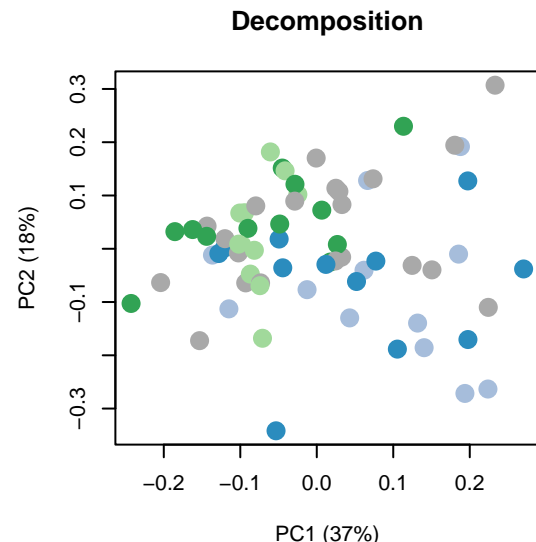
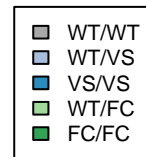
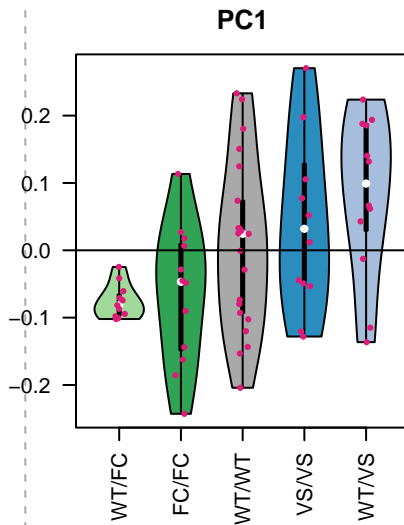
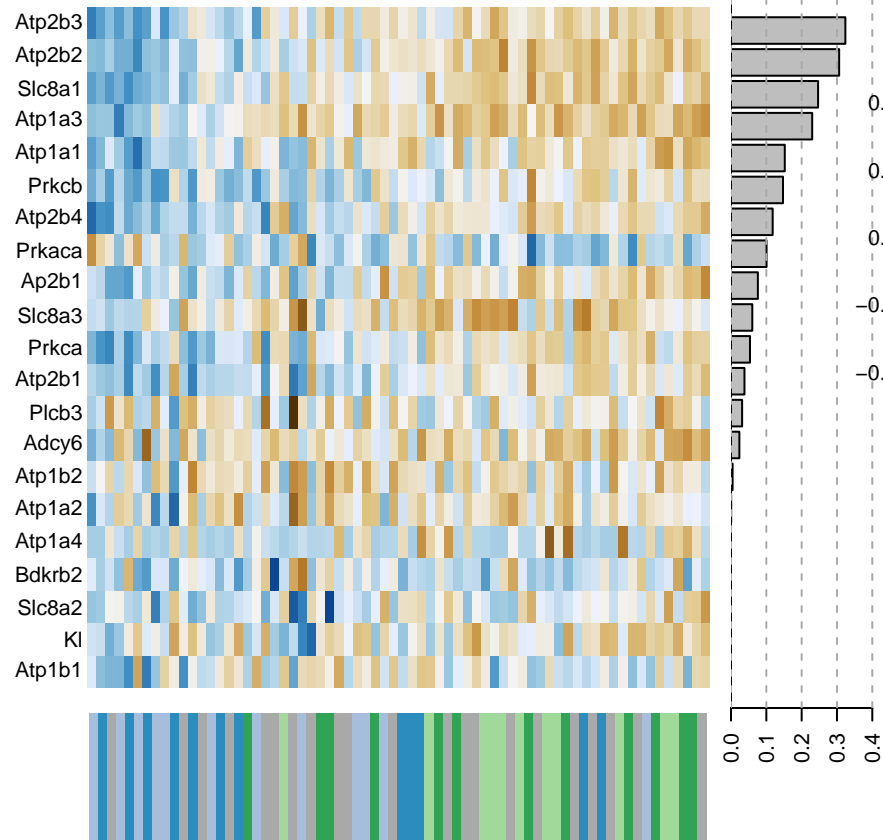


PC1 by genotype



$R^2 = 0.1$

ocrine and other factor-regulated calcium reabsorption : Vasculature



Carbohydrate digestion and absorption : Metal Binding and Homeostasis

