Color Key 0.2

Value

Xenobiotic metabolism

Inflammatory response

Reactive oxigen species pathway

PI3K/AKT/MTOR signaling

Epithelial mesenchymal transition

Interferon gamma response

NOTCH signaling Interferon alpha response IL6/JAK/STAT3 signaling UV response down Peroxisome WNT beta catenin signaling Oxidative phosphorylation Androgen response Protein secretion Myogenesis Glycolysis Estrogen response early Bile acid metabolism MYC targets V2 Heme metabolism p53 pathway Unfolded protein response Estrogen response late Cholesterol homeostasis DNA repair MTORC1 signaling UV response up Mitotic spindle G2M checkpoint E2F targets Apical junction Adipogenesis MYC targets V1 KRAS signaling down IL2/STAT5 signaling Spermatogenesis KRAS signaling up Allograft rejection Fatty acid metabolism TGF beta signaling Нурохіа TNFa signaling via NFkB Complement **Apoptosis**

PatientB MDA MCF **PatientA**