Carbon metabolism\_Homo sapiens\_hsa01200 Heatmap of the Analyzed GeneSet PHGDH ENO2 RGN PRPS1 PFKM HK1 ALDOC HK3 **ADPGK** SDHD PFKP PSAT1 PRPS1L1 ADH5 ACSS1 PSPH PGAM1 DAK TKTL1 ESD OGDHL G6PD PKM TKTL2 H6PD SHMT1 GCK PGAM2 CPS1 ACO2 SHMT2 OGDH ME3 TPI1 ENO3 **AGXT** PDHB TKT GLUD2 ACO1 GLDC HAO1 **MTHFR** SDHB ENO1 ACAT1 **PGLS** CAT RPIA IDH2 PGD ME1 PDHA2 GOT2 SDS HAO2 PKLR GPI PGP IDH3A DLST AMT PGK2 PGK1 PCCB GLUD1 MDH1 PRPS2 MCEE ALDOA ACSS2 FBP2 TALDO1 IDNK IDH3G FΗ HK2 PC GPT2 DLAT PCCA HKDC1 PFKL ALDOB SDHC GAPDH GPT DLD IDH3B FBP1 RPE SUCLA2 GOT1 CS ME2 HADHA ACAT2 MDH2 ACADS ACADM EHHADH ALDH6A1 SDSL SDHA ECHS1 SUCLG1 PDHA1 HIBCH MUT IDH1 SUCLG2 3416M patient's mucosa 3578M patientüs mucosa 3894M patientüs mucosa 4160M patientüs mucosa NM19 healthy control NM4 healthy control NM9 healthy control 2965M patient's mucosa 3216M patient's mucosa 3335M patientüs mucosa 3798M patientüs mucosa 3838M patientüs mucosa 3950M patientüs mucosa 4145M patientüs mucosa NM14 healthy control NM16 healthy control NM18 healthy control NM20 healthy control NM22 healthy control NM24 healthy control NM3 healthy control 3446M patientüs mucosa