-0.890(0.003) 2.62e-06 1.02e-05 -0.842(0.007) 2.62e-06 1.02e-05 1.02e-05 -0.837(0.003) 2.62e-06 -0.835(0.004) 2.62e-06 1.02e-05 -0.834(0.004) 2.62e-06 1.02e-05 -0.817(0.004) 2.62e-06 1.02e-05 -0.814(0.003) 2.62e-06 1.02e-05 -0.807(0.004) 2.62e-06 1.02e-05 -0.805(0.006) 2.62e-06 1.02e-05 -0.804(0.005) 2.62e-06 1.02e-05 -0.803(0.004) 2.62e-06 1.02e-05 -0.803(0.004) 2.62e-06 1.02e-05 -0.797(0.004) 2.62e-06 1.02e-05 1.02e-05 -0.793(0.005) 2.62e-06 -0.792(0.004) 2.62e-06 1.02e-05 -0.792(0.004) 2.62e-06 1.02e-05 -0.787(0.004) 2.62e-06 1.02e-05 -0.783(0.006) 2.62e-06 1.02e-05 -0.779(0.004) 2.62e-06 1.02e-05 -0.779(0.007) 2.62e-06 1.02e-05 0.765(0.004) 2.62e-06 2.38e-05 0.771(0.008) 2.62e-06 2.38e-05 0.772(0.007) 2.62e-06 2.38e-05 0.773(0.006) 2.62e-06 2.38e-05 0.774(0.006) 2.62e-06 2.38e-05 0.779(0.007) 2.62e-06 2.38e-05 0.780(0.007) 2.62e-06 2.38e-05 0.781(0.008) 2.62e-06 2.38e-05 2.38e-05 0.783(0.006) 2.62e-06 2.38e-05 0.791(0.005) 2.62e-06 0.792(0.006) 2.62e-06 2.38e-05 0.794(0.006) 2.62e-06 2.38e-05 0.805(0.003) 2.62e-06 2.38e-05 0.807(0.005) 2.62e-06 2.38e-05 0.815(0.004) 2.62e-06 2.38e-05 0.833(0.007) 2.62e-06 2.38e-05 0.855(0.006) 2.62e-06 2.38e-05 0.863(0.004) 2.62e-06 2.38e-05 2.38e-05 0.871(0.005) 2.62e-06 C4 vs Pathway Expression **FDR**  $IC(\Delta)$ P-val **C4** -0.884(0.003) 2.62e-06 2.38e-05 WAMUNYOKOLI\_OVARIAN\_CANCER\_GRADES\_1\_2 -VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_DN -WAMUNYOKOLI\_OVARIAN\_CANCER\_LMP -WAMUNYOKOLI\_OVARIAN\_CANCER\_GRADES\_1\_2\_UP -WAMUNYOKOLI\_OVARIAN\_CANCER\_LMP\_UP -LIU\_PROSTATE\_CANCER -DOANE\_RESPONSE\_TO\_ANDROGEN -SWEET\_LUNG\_CANCER\_KRAS -DOANE\_BREAST\_CANCER\_CLASSES -ZEMBUTSU\_SENSITIVITY\_TO\_VINBLASTINE -VANDESLUIS\_COMMD1\_TARGETS\_GROUP\_3 -PAPASPYRIDONOS\_UNSTABLE\_ATEROSCLEROTIC\_PLAQUE -SCHAEFFER\_PROSTATE\_DEVELOPMENT\_48HR -WANG\_BARRETTS\_ESOPHAGUS\_AND\_ESOPHAGUS\_CANCER\_UP SERVITJA\_ISLET\_HNF1A\_TARGETS\_DN -CHARAFE\_BREAST\_CANCER\_LUMINAL\_VS\_MESENCHYMAL -CHARAFE\_BREAST\_CANCER\_LUMINAL\_VS\_MESENCHYMAL\_UP -GRADE\_COLON\_AND\_RECTAL\_CANCER -MIKI\_COEXPRESSED\_WITH\_CYP19A1 -LIM\_MAMMARY\_LUMINAL\_MATURE - ${\bf GRADE\_COLON\_AND\_RECTAL\_CANCER\_DN}$ SYSTEM\_DEVELOPMENT -GROGER\_EMT -REACTOME\_NCAM\_SIGNALING\_FOR\_NEURITE\_OUT\_GROWTH REACTOME\_NCAM1\_INTERACTIONS -REACTOME\_AXON\_GUIDANCE -WAMUNYOKOLI\_OVARIAN\_CANCER\_GRADES\_1\_2\_DN -WONG\_ENDMETRIUM\_CANCER\_DN -LIM\_MAMMARY\_STEM\_CELL\_UP -VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY\_UP CAIRO\_LIVER\_DEVELOPMENT -LABBE\_TARGETS\_OF\_TGFB1\_AND\_WNT3A REACTOME\_SIGNALING\_BY\_ROBO\_RECEPTOR -**BOQUEST\_STEM\_CELL** CAIRO\_LIVER\_DEVELOPMENT\_UP WAMUNYOKOLI\_OVARIAN\_CANCER\_LMP\_DN -SERVITJA\_ISLET\_HNF1A\_TARGETS -LIM\_MAMMARY\_STEM\_CELL -LEF1\_UP.V1 VECCHI\_GASTRIC\_CANCER\_ADVANCED\_VS\_EARLY -