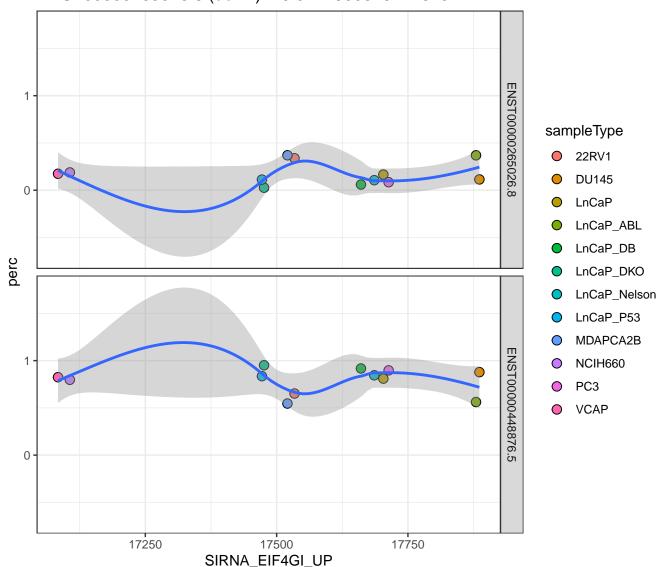
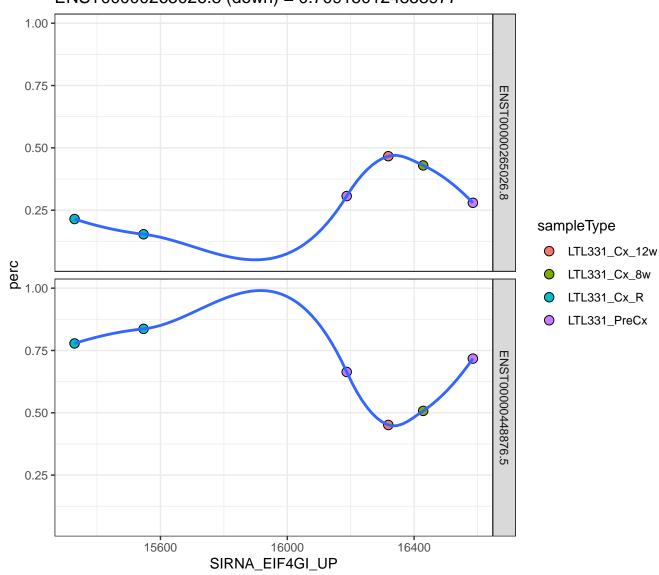
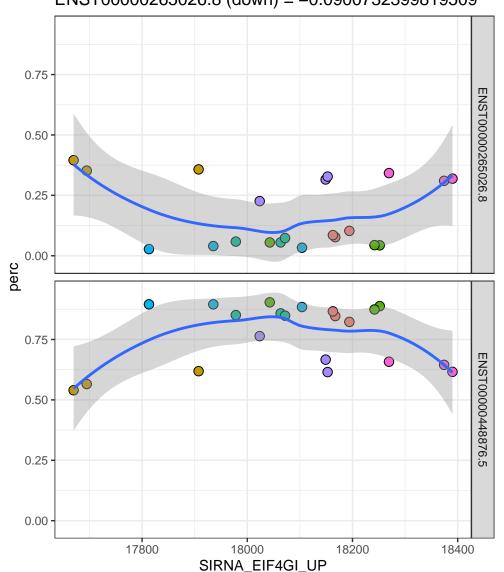
CellLine
Gene = MAP3K13
Target = SIRNA\_EIF4GI\_UP
ENST00000448876.5 (up) = -0.0776760244592958
ENST00000265026.8 (down) = 0.0214500348271675



LTL\_longitudinal Gene = MAP3K13 Target = SIRNA\_EIF4GI\_UP ENST00000448876.5 (up) = -0.664610150531121 ENST00000265026.8 (down) = 0.709150124858977



PDX\_longitudinal Gene = MAP3K13 Target = SIRNA\_EIF4GI\_UP ENST00000448876.5 (up) = 0.137008303422035 ENST00000265026.8 (down) = -0.0900732399819509



## sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_CX

LnCaP\_DKO\_ENZA

- LnCaP\_DKO\_PreCX
- LuCaP\_147
- LuCaP\_147\_CX

CellLine Gene = MAP3K13Target =  $JAK2_DN.V1_DN$ ENST00000265026.8 (up) = -0.152708672154312 ENST00000448876.5 (down) = 0.291962078609515 1.5 -1.0 ENST00000265026.8 sampleType 0.5 22RV1 **DU145** LnCaP 0.0 LnCaP\_ABL LnCaP\_DB -0.5 LnCaP\_DKO 1.5 LnCaP\_Nelson LnCaP\_P53 MDAPCA2B 1.0 ENST00000448876.5 NCIH660 PC3 0.5 **VCAP** 0.0

-0.5

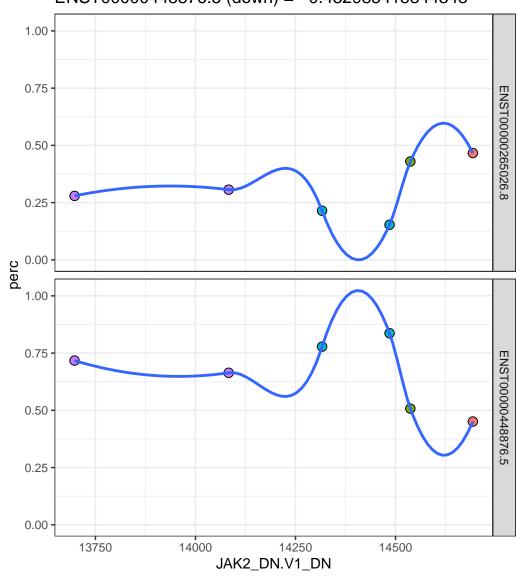
13300

13500

JAK2\_DN.V1\_DN

13700

LTL\_longitudinal
Gene = MAP3K13
Target = JAK2\_DN.V1\_DN
ENST00000265026.8 (up) = 0.357853218754399
ENST00000448876.5 (down) = -0.432985415844348



LTL331\_Cx\_12w

LTL331\_Cx\_8w

LTL331\_Cx\_R LTL331\_PreCx

PDX\_longitudinal Gene = MAP3K13 Target = JAK2\_DN.V1\_DN ENST00000265026.8 (up) = -0.877245099536979ENST00000448876.5 (down) = 0.814499341115142 0.75 ENST00000265026.8 0.50 sampleType 0.25 LnCaP LnCaP\_ABL 0.00 LnCaP\_DKO\_CX LnCaP\_DKO\_ENZA LnCaP\_DKO\_PreCX LuCaP\_147 0.75 LuCaP\_147\_CX ENST00000448876.5 0.50 -

0.25

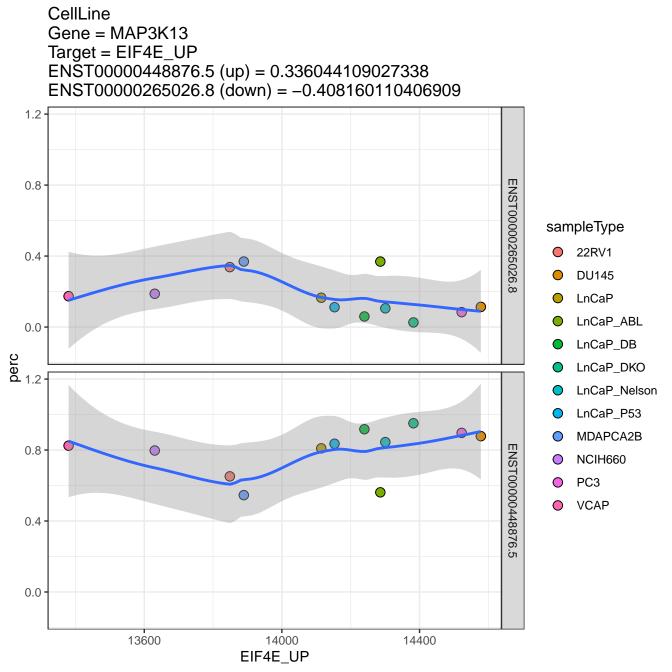
0.00

13000

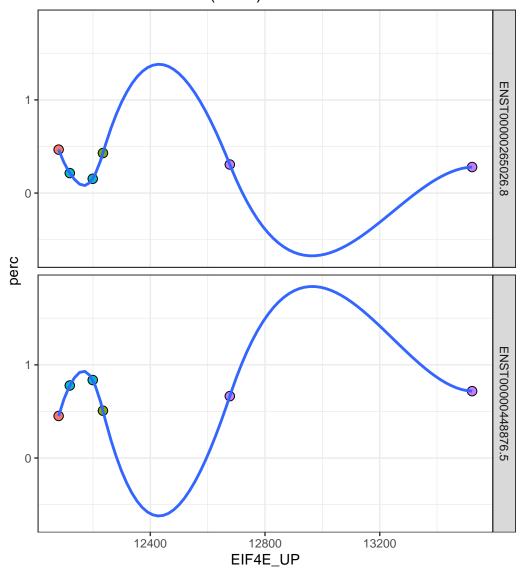
13500

JAK2\_DN.V1\_DN

14000



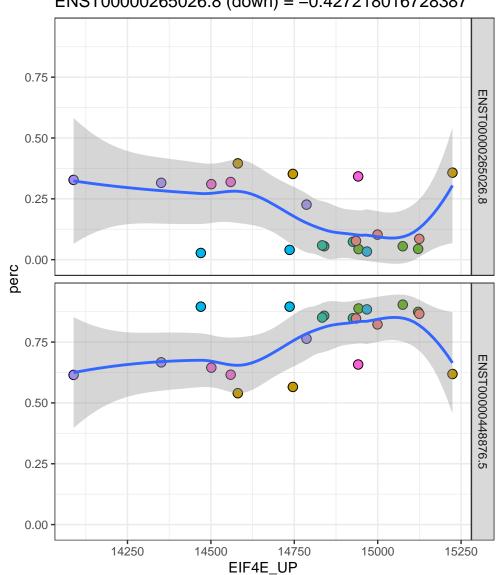
LTL\_longitudinal
Gene = MAP3K13
Target = EIF4E\_UP
ENST00000448876.5 (up) = 0.210480783069331
ENST00000265026.8 (down) = -0.1360579497821



LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R LTL331\_PreCx

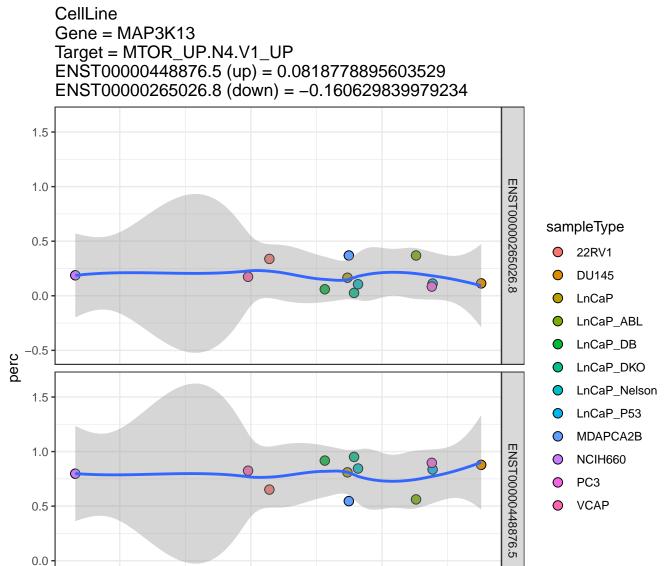
PDX\_longitudinal Gene = MAP3K13 Target = EIF4E\_UP ENST00000448876.5 (up) = 0.460678553482726 ENST00000265026.8 (down) = -0.427218016728387



- LnCaP
  - LnCaP\_ABL
- LnCaP\_DKO\_CX
- LnCaP\_DKO\_PreCX

LnCaP\_DKO\_ENZA

- LuCaP\_147
- LuCaP\_147\_CX



15500

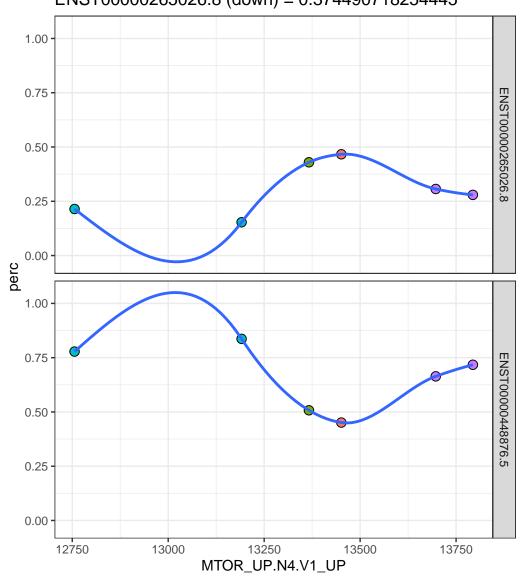
-0.5

14500

15000

MTOR\_UP.N4.V1\_UP

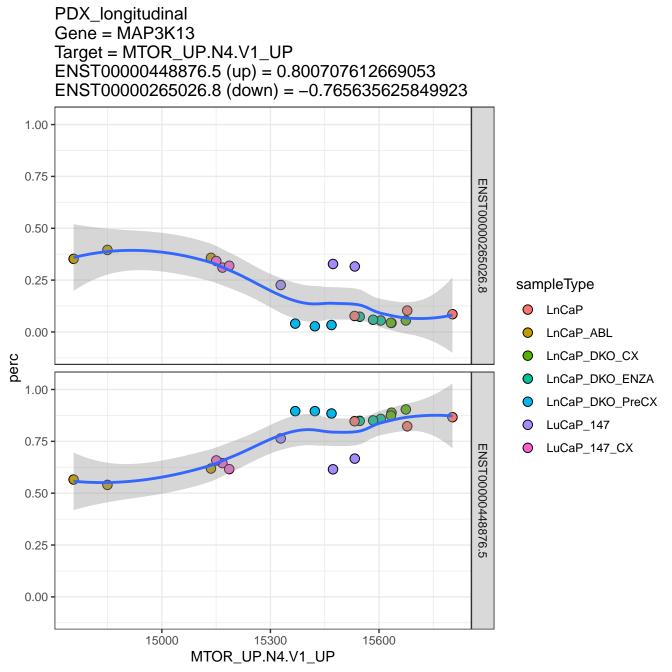
LTL\_longitudinal
Gene = MAP3K13
Target = MTOR\_UP.N4.V1\_UP
ENST00000448876.5 (up) = -0.3338127477249
ENST00000265026.8 (down) = 0.374490718254445



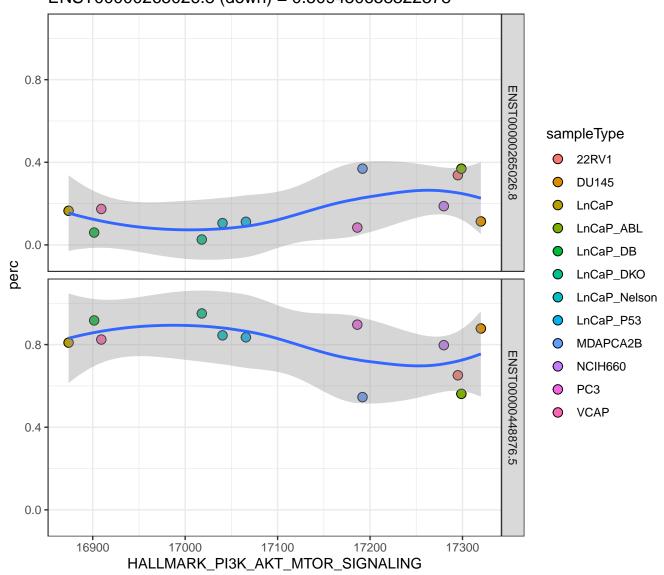
LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R

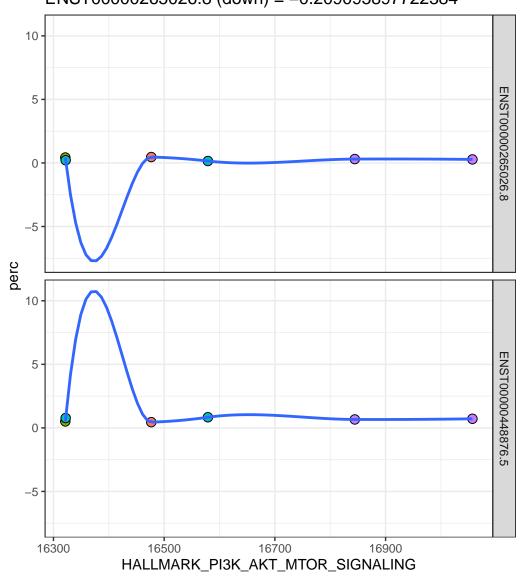
LTL331\_PreCx



CellLine
Gene = MAP3K13
Target = HALLMARK\_PI3K\_AKT\_MTOR\_SIGNALING
ENST00000448876.5 (up) = -0.48245670107779
ENST00000265026.8 (down) = 0.509450658322378



LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_PI3K\_AKT\_MTOR\_SIGNALING
ENST00000448876.5 (up) = 0.261339919912792
ENST00000265026.8 (down) = -0.209095897722384

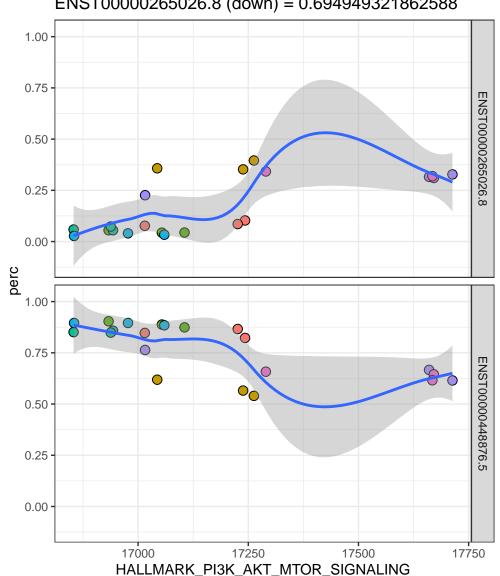


LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R

LTL331\_PreCx

PDX\_longitudinal Gene = MAP3K13 Target = HALLMARK\_PI3K\_AKT\_MTOR\_SIGNALING ENST00000448876.5 (up) = -0.6934662984232 ENST00000265026.8 (down) = 0.694949321862588



sampleType

LnCaP

LnCaP\_ABL

LuCaP\_147

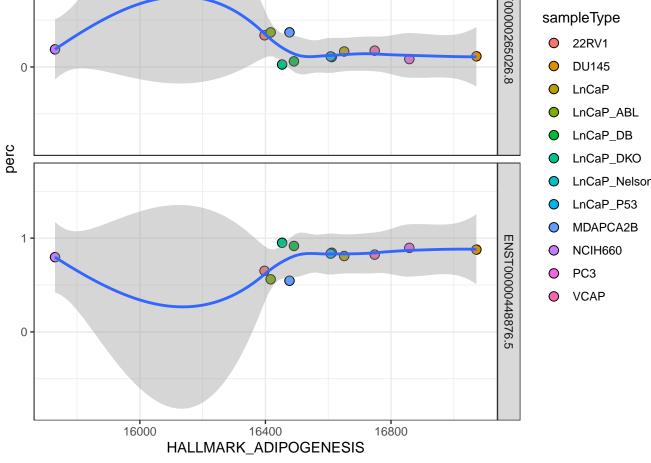
LuCaP\_147\_CX

LnCaP\_DKO\_CX

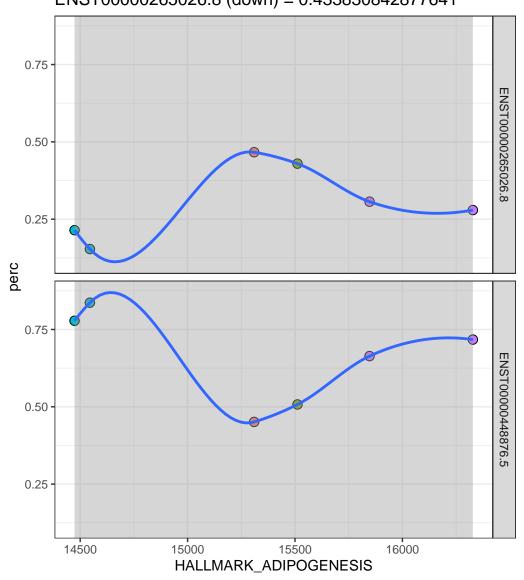
LnCaP\_DKO\_ENZA

LnCaP\_DKO\_PreCX

CellLine Gene = MAP3K13 Target = HALLMARK\_ADIPOGENESIS ENST00000448876.5 (up) = 0.280417647204692ENST00000265026.8 (down) = -0.28832942437635ENST00000265026.8 sampleType 22RV1 **DU145** 0 LnCaP LnCaP\_ABL LnCaP\_DB LnCaP\_DKO LnCaP\_Nelson LnCaP\_P53 MDAPCA2B



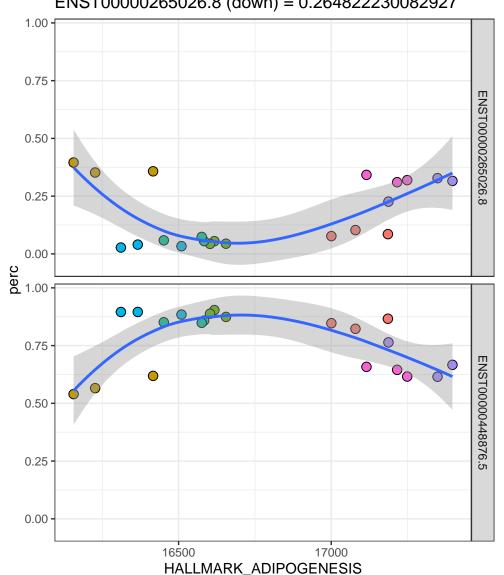
LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_ADIPOGENESIS
ENST00000448876.5 (up) = -0.369288305630608
ENST00000265026.8 (down) = 0.433830842877641



sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R LTL331\_PreCx PDX\_longitudinal Gene = MAP3K13 Target = HALLMARK\_ADIPOGENESIS ENST00000448876.5 (up) = -0.186378392219709 ENST00000265026.8 (down) = 0.264822230082927



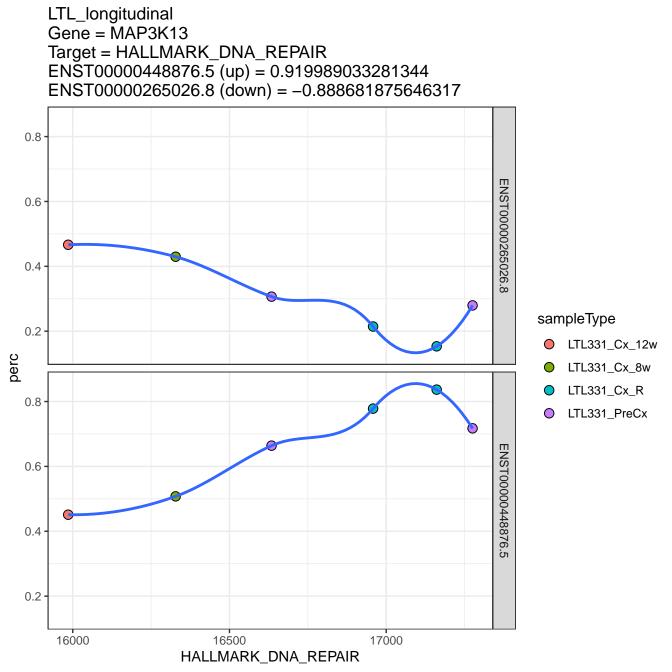
sampleType

- LnCaP
- LnCaP\_ABL

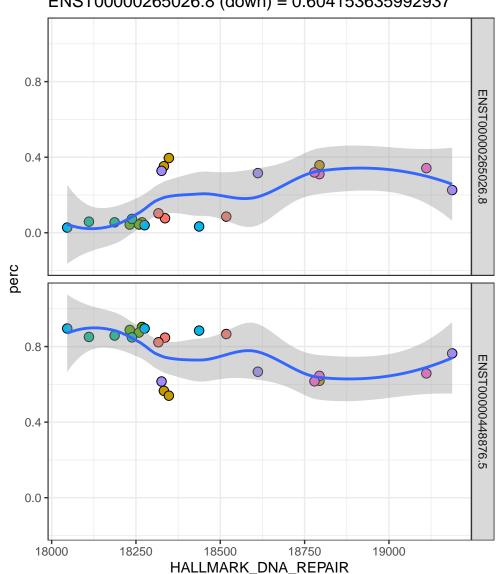
LnCaP\_DKO\_CX

- LnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX
  - LuCaP\_147
- LuCaP\_147\_CX

CellLine Gene = MAP3K13 Target = HALLMARK\_DNA\_REPAIR ENST00000448876.5 (up) = 0.301661963528069 ENST00000265026.8 (down) = -0.277657446445252 1.0 ENST00000265026.8 sampleType 0.5 22RV1 0 **DU145** LnCaP 0.0 LnCaP\_ABL LnCaP\_DB perc LnCaP\_DKO LnCaP\_Nelson LnCaP\_P53 1.0 MDAPCA2B ENST00000448876.5 NCIH660 0 PC3 0.5 **VCAP** 0.0 17800 18000 18200 18400 HALLMARK\_DNA\_REPAIR



PDX\_longitudinal Gene = MAP3K13 Target = HALLMARK\_DNA\_REPAIR ENST00000448876.5 (up) = -0.490169693867597 ENST00000265026.8 (down) = 0.604153635992937



sampleType

• LnCaP

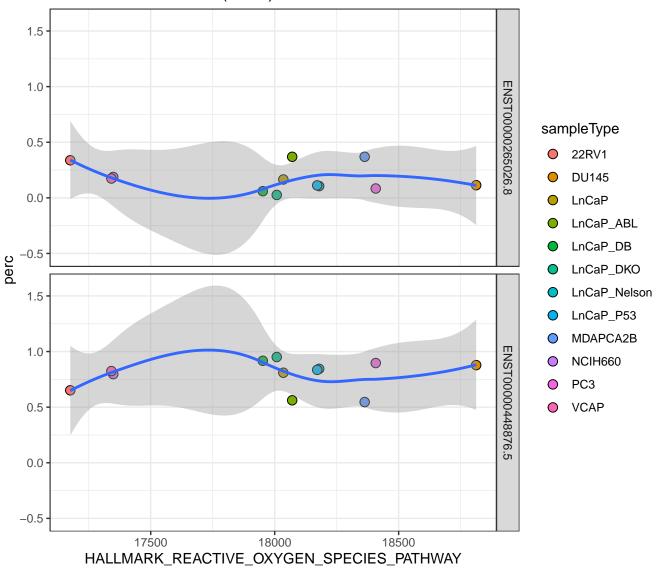
LnCaP\_ABL

LuCaP\_147

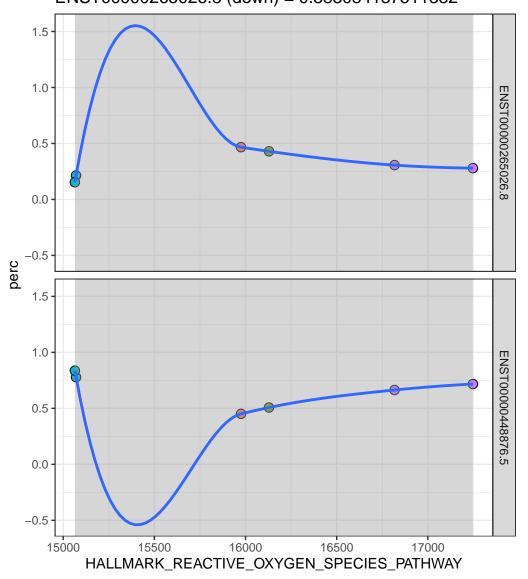
LuCaP\_147\_CX

LnCaP\_DKO\_CX

LnCaP\_DKO\_ENZA LnCaP\_DKO\_PreCX CellLine
Gene = MAP3K13
Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY
ENST00000448876.5 (up) = 0.155322401111631
ENST00000265026.8 (down) = -0.25685366333952



LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY
ENST00000448876.5 (up) = -0.317450526756331
ENST00000265026.8 (down) = 0.383084137511882

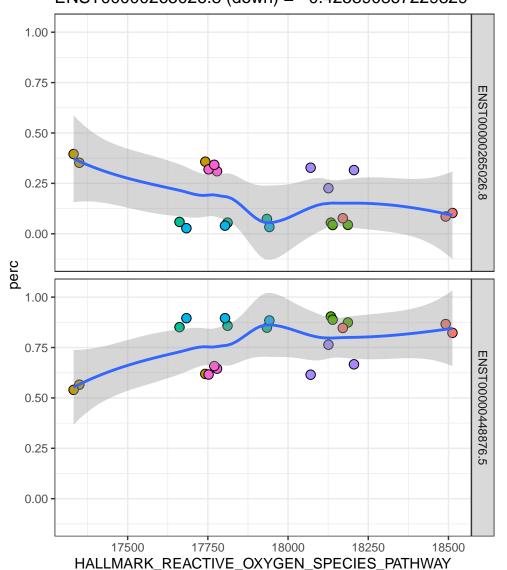


sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w

LTL331\_Cx\_R LTL331\_PreCx PDX\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY
ENST00000448876.5 (up) = 0.498831703118158
ENST00000265026.8 (down) = -0.425890867229829

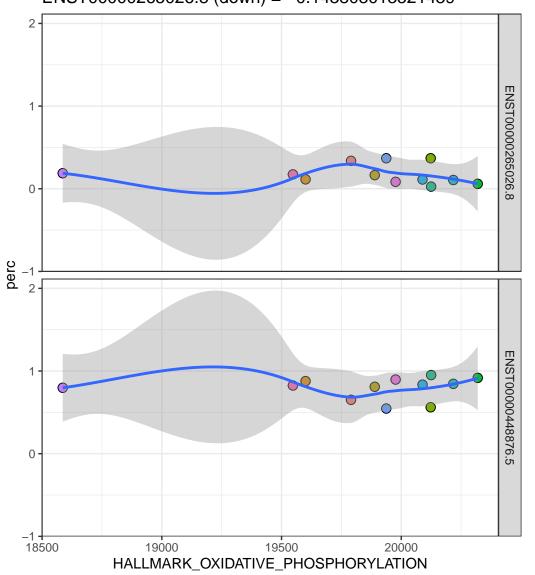


sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_CX

  LnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX
  - LuCaP\_147
  - LuCaP\_147\_CX

CellLine
Gene = MAP3K13
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION
ENST00000448876.5 (up) = 0.0468942864441836
ENST00000265026.8 (down) = -0.143808013521439



sampleType

22RV1

DU145

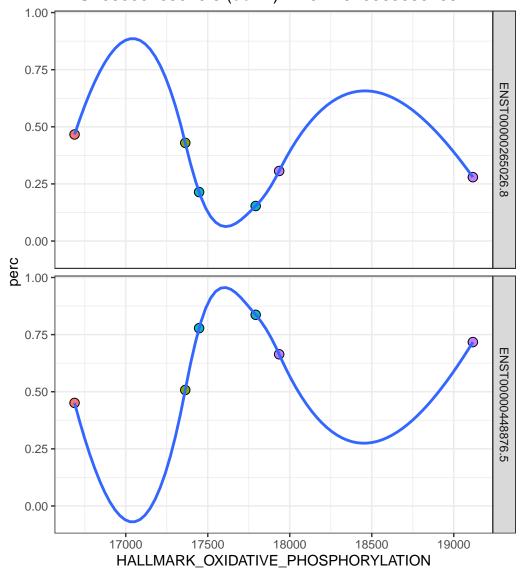
LnCaP

LnCaP\_ABL LnCaP\_DB

LnCaP\_DKO

NCIH660 PC3 VCAP

LnCaP\_Nelson LnCaP\_P53 MDAPCA2B LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION
ENST00000448876.5 (up) = 0.539842308260934
ENST00000265026.8 (down) = -0.475209698591984

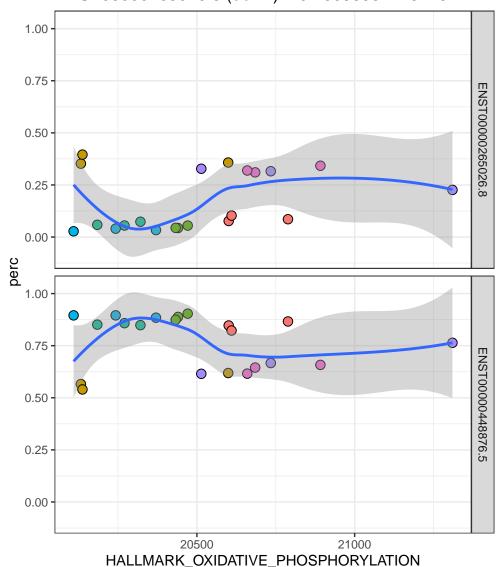


sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w

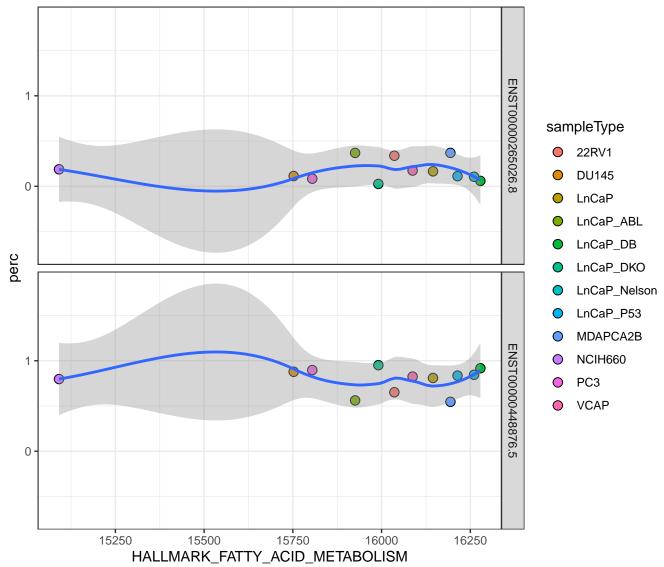
LTL331\_Cx\_R LTL331\_PreCx PDX\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION
ENST00000448876.5 (up) = -0.14804958841048
ENST00000265026.8 (down) = 0.280585342284792



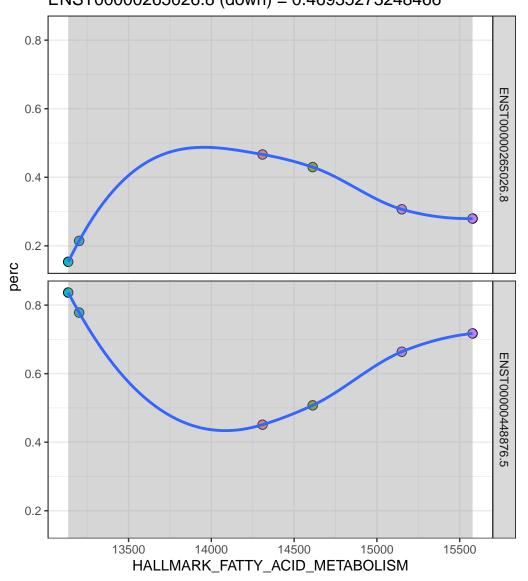
sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_CXLnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX
  - LuCaP\_147
  - LuCaP\_147\_CX

CellLine
Gene = MAP3K13
Target = HALLMARK\_FATTY\_ACID\_METABOLISM
ENST00000448876.5 (up) = -0.0416634320516786
ENST00000265026.8 (down) = -0.0305872891418502



LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_FATTY\_ACID\_METABOLISM
ENST00000448876.5 (up) = -0.405535233789492
ENST00000265026.8 (down) = 0.46935273248466

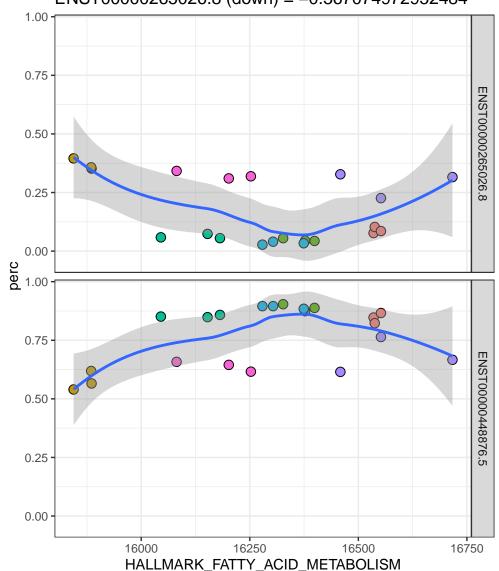


LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R

LTL331\_PreCx

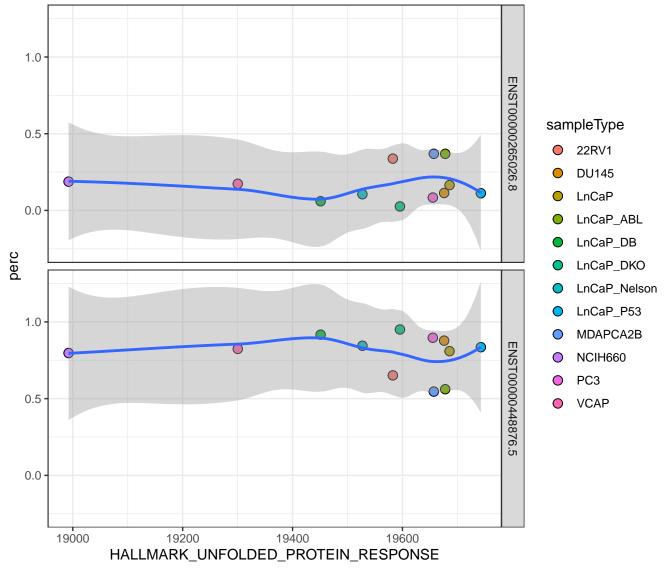
PDX\_longitudinal Gene = MAP3K13 Target = HALLMARK\_FATTY\_ACID\_METABOLISM ENST00000448876.5 (up) = 0.432673666783885 ENST00000265026.8 (down) = -0.367074972952484



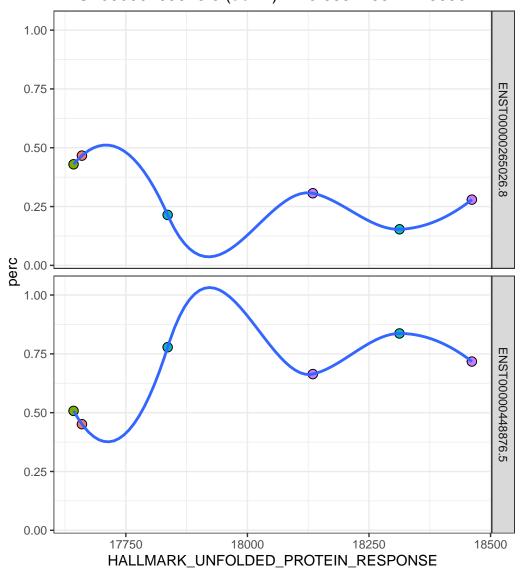
sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_CXLnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX
  - LuCaP\_147
- O LuCaP\_147\_CX

CellLine
Gene = MAP3K13
Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE
ENST00000448876.5 (up) = -0.143830390658915
ENST00000265026.8 (down) = 0.0697426245010765



LTL\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE
ENST00000448876.5 (up) = 0.716975398889894
ENST00000265026.8 (down) = -0.685743574228836



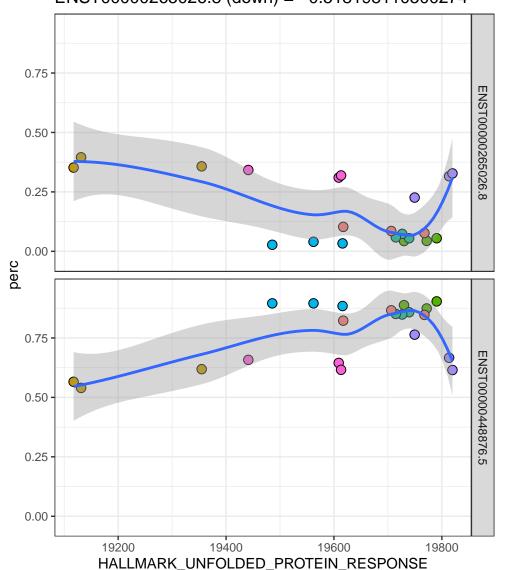
sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R

LTL331\_PreCx

PDX\_longitudinal
Gene = MAP3K13
Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE
ENST00000448876.5 (up) = 0.568762490920985
ENST00000265026.8 (down) = -0.518198110500274



sampleType

- LnCaP
- LnCaP\_ABL

LnCaP\_DKO\_CX

- LnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCXLuCaP\_147
- Lucar\_
- LuCaP\_147\_CX