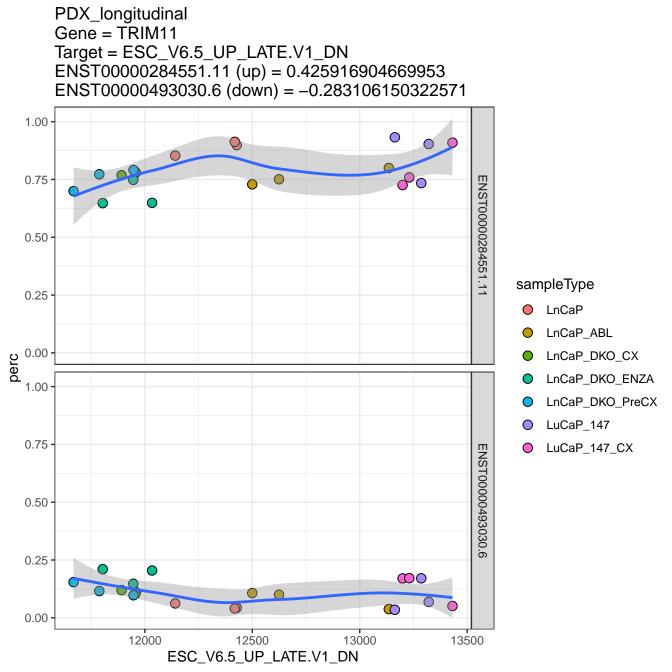
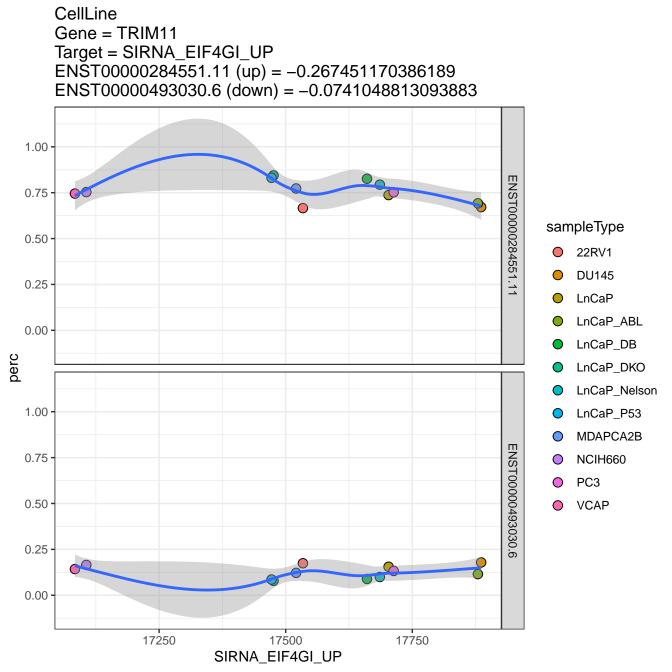
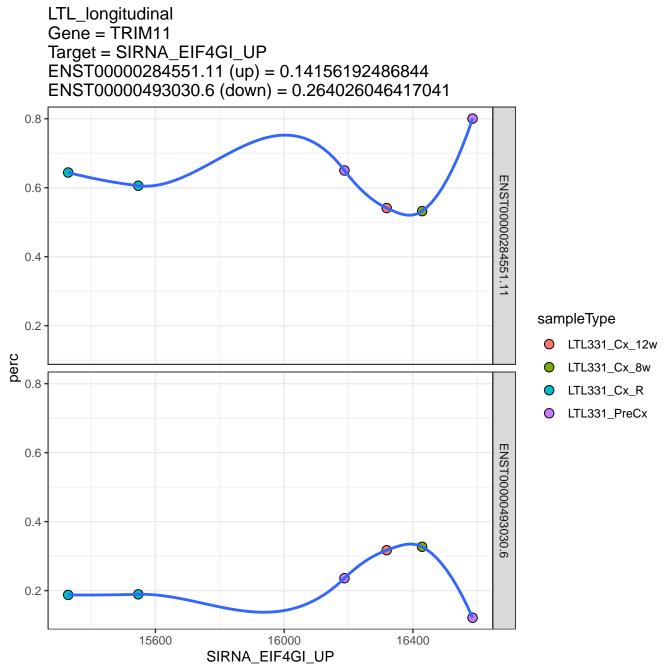


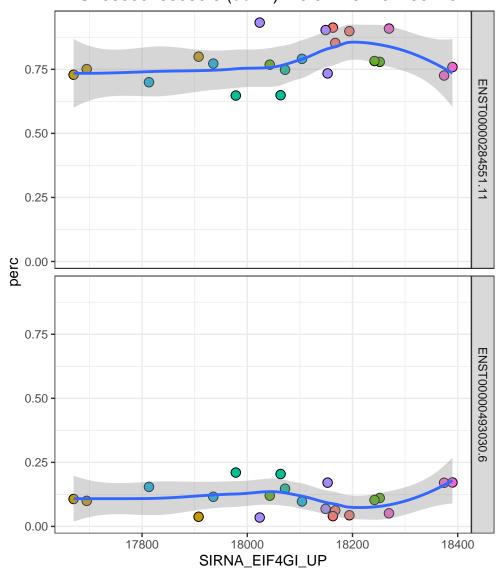
LTL\_longitudinal Gene = TRIM11 Target = ESC\_V6.5\_UP\_LATE.V1\_DN ENST00000284551.11 (up) = 0.421659949445804 ENST00000493030.6 (down) = -0.142426060732608 8.0 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w LTL331\_Cx\_8w 8.0 LTL331\_Cx\_R LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2 11000 11200 11400 11600 11800 ESC\_V6.5\_UP\_LATE.V1\_DN





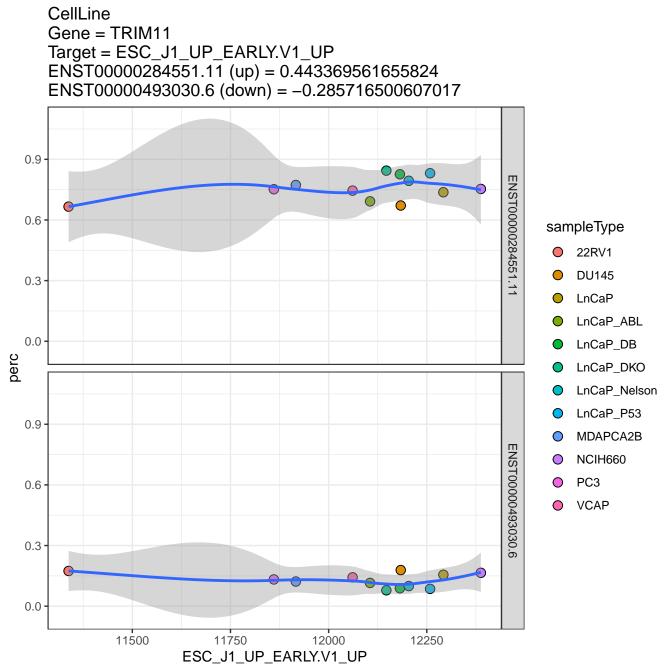


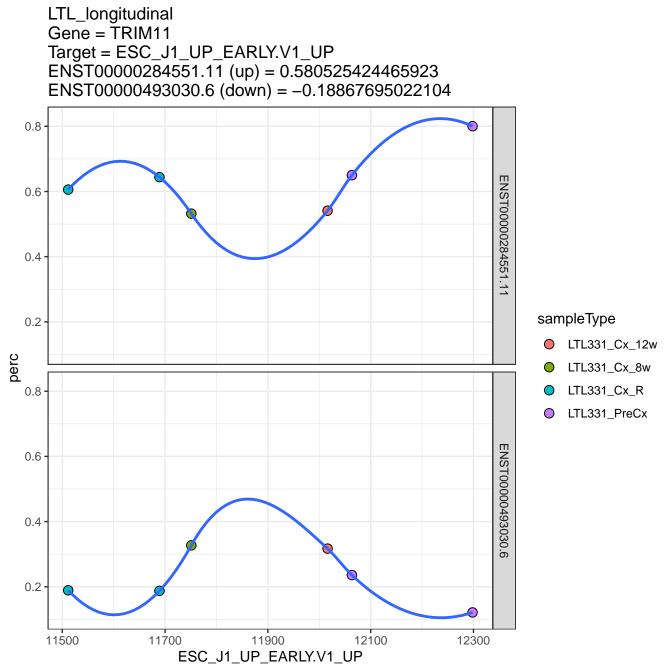
PDX\_longitudinal Gene = TRIM11 Target = SIRNA\_EIF4GI\_UP ENST00000284551.11 (up) = 0.295958165788893 ENST00000493030.6 (down) = 0.0244512074367207



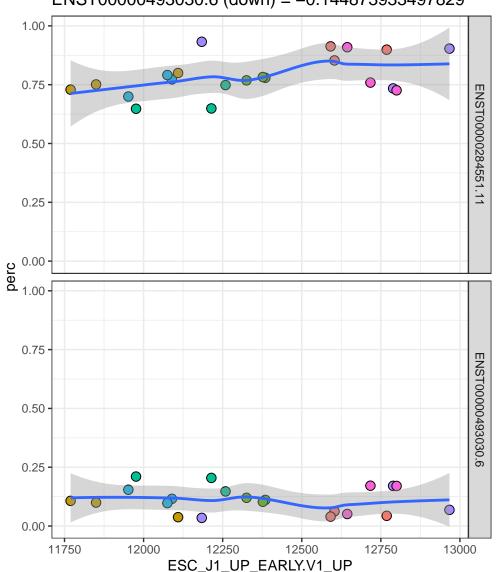
## sampleType

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





PDX\_longitudinal Gene = TRIM11 Target = ESC\_J1\_UP\_EARLY.V1\_UP ENST00000284551.11 (up) = 0.469641363135005 ENST00000493030.6 (down) = -0.144873933497829



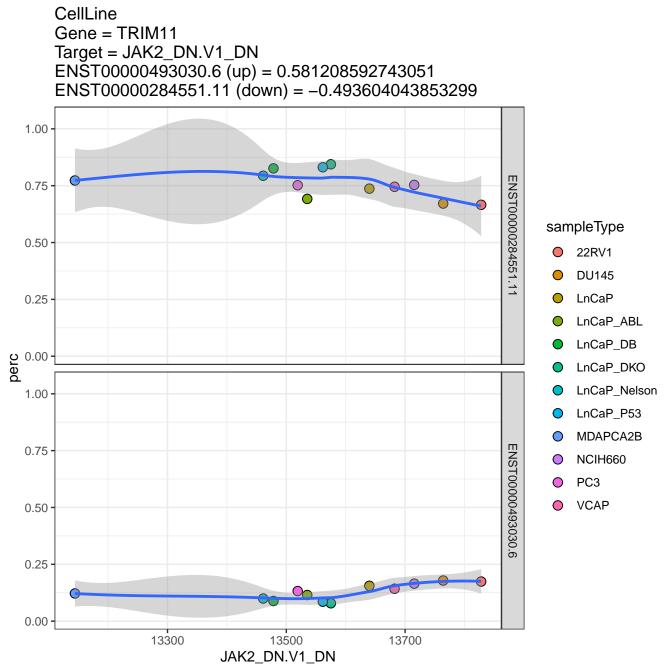
sampleType

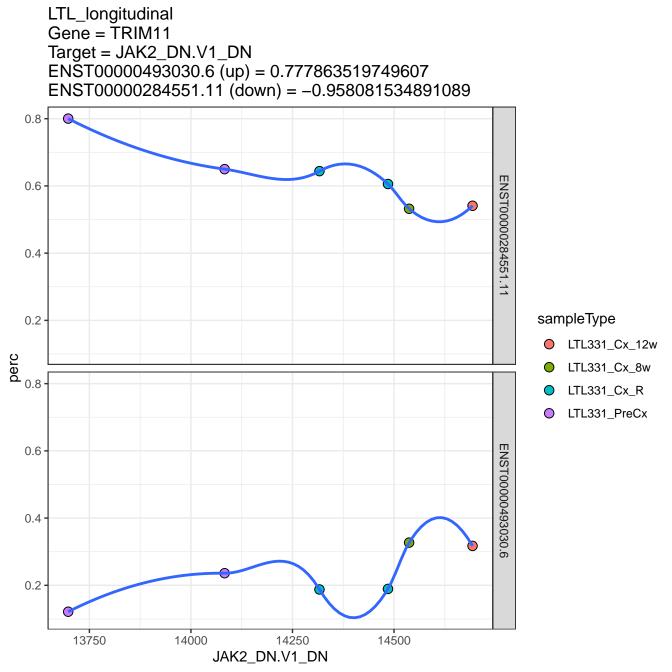
- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_ENZA

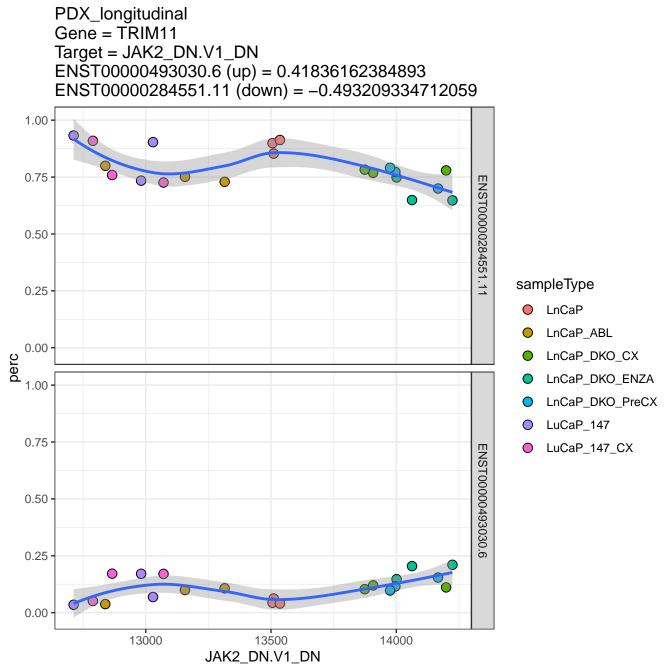
LnCaP\_DKO\_PreCX

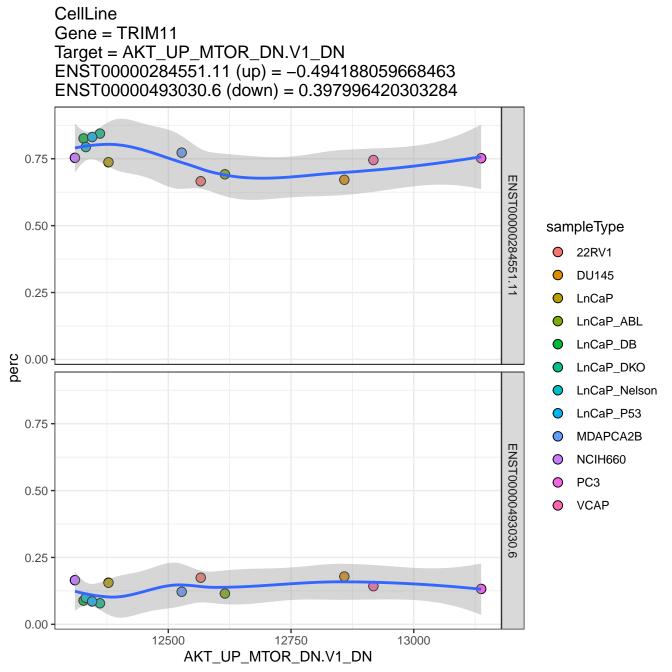
LnCaP\_DKO\_CX

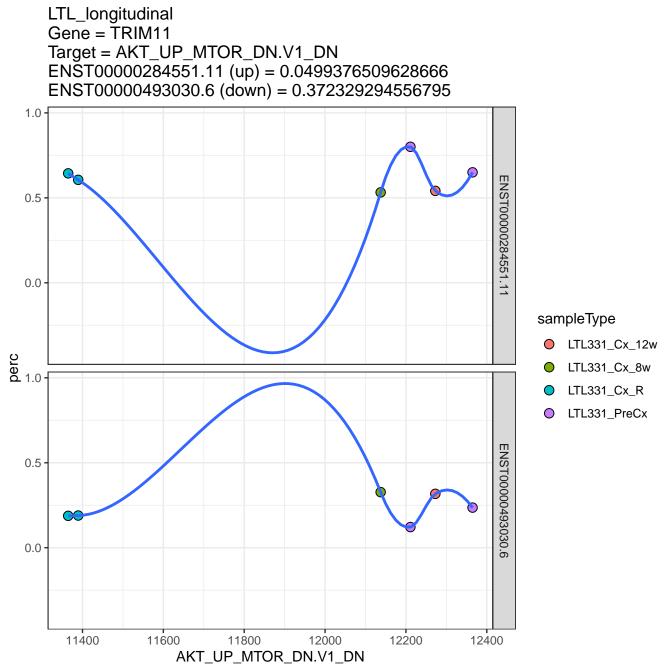
- LuCaP\_147
- LuCaP\_147\_CX

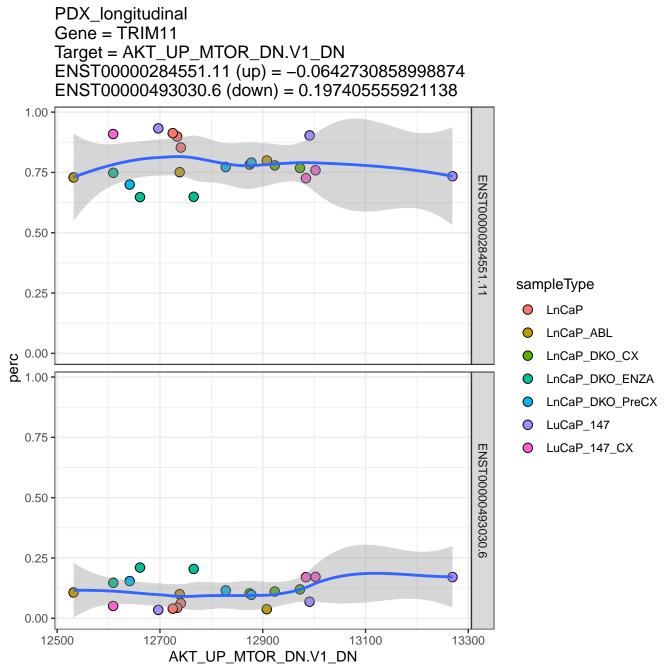


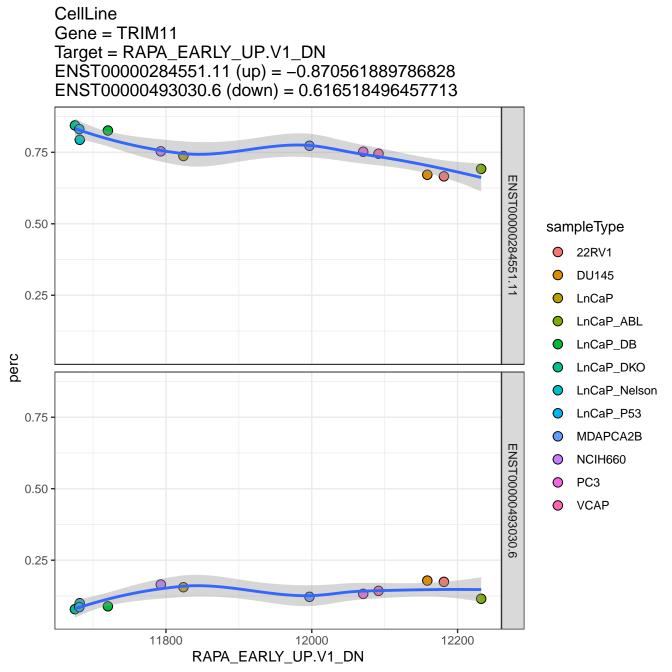












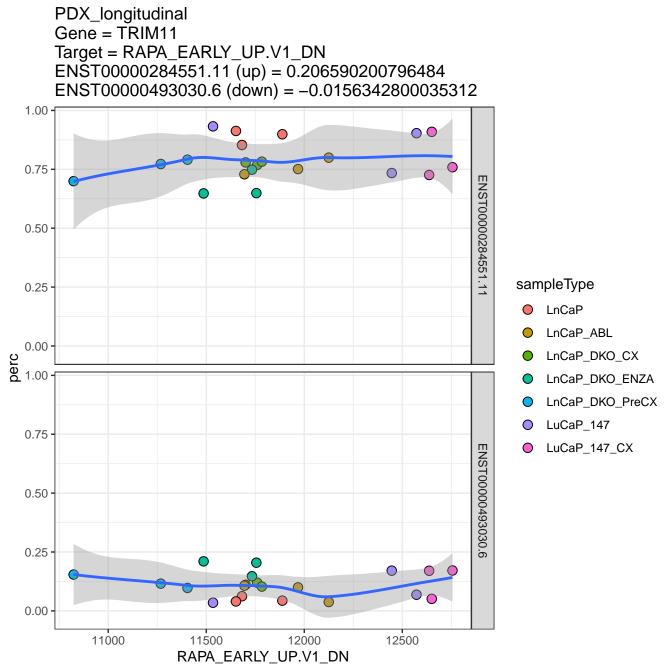
LTL\_longitudinal Gene = TRIM11 Target = RAPA\_EARLY\_UP.V1\_DN ENST00000284551.11 (up) = -0.571210572213306 ENST00000493030.6 (down) = 0.365197144638997 0.8 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w perc LTL331\_Cx\_8w 8.0 LTL331\_Cx\_R LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2

11800

12000

RAPA\_EARLY\_UP.V1\_DN

12200



CellLine Gene = TRIM11 Target = EIF4E\_UP ENST00000284551.11 (up) = 0.0830706649400756ENST00000493030.6 (down) = -0.2958915797932870.75 -0 ENST00000284551.11 sampleType 0.50 22RV1 **DU145** LnCaP 0.25 -LnCaP\_ABL LnCaP\_DB LnCaP\_DKO LnCaP\_Nelson LnCaP\_P53 0.75 -MDAPCA2B ENST00000493030.6 NCIH660 PC3 0.50 **VCAP** 

14000

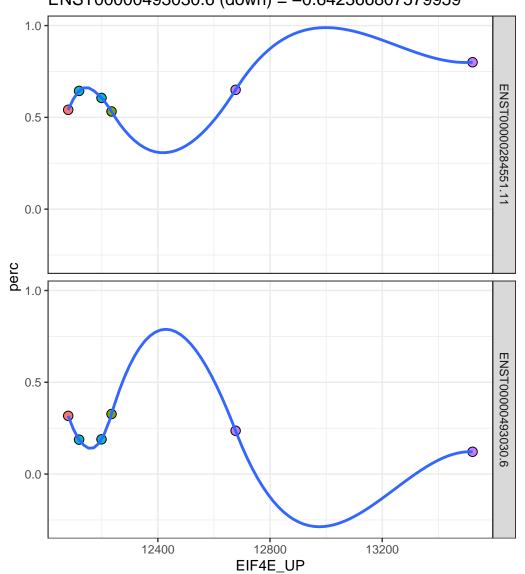
EIF4E\_UP

14400

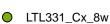
0.25

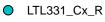
13600

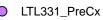
LTL\_longitudinal
Gene = TRIM11
Target = EIF4E\_UP
ENST00000284551.11 (up) = 0.891681177998717
ENST00000493030.6 (down) = -0.642366807579959

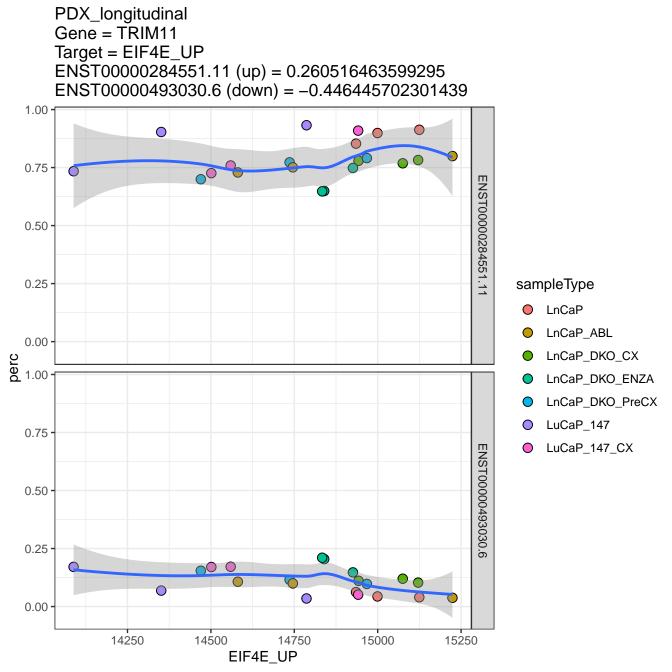


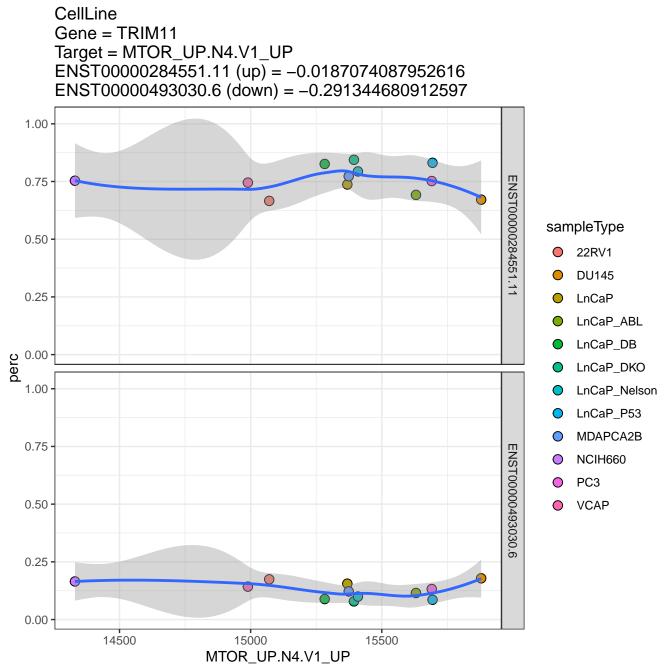
sampleType
 LTL331\_Cx\_12w

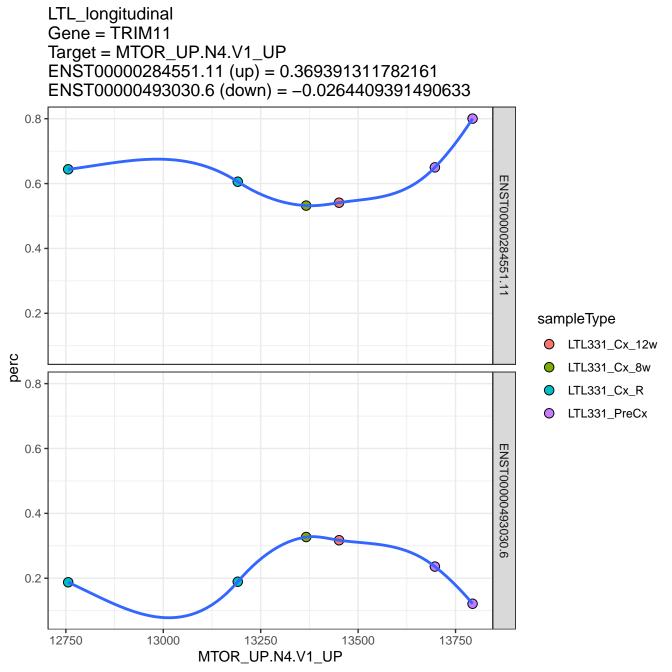


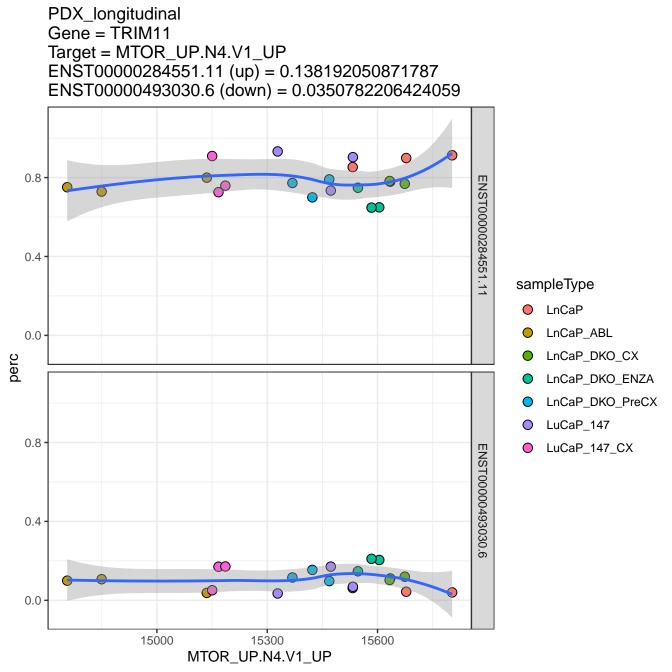




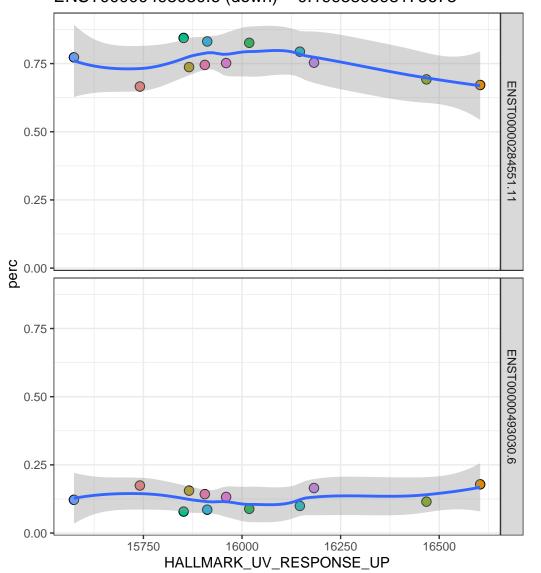








CellLine
Gene = TRIM11
Target = HALLMARK\_UV\_RESPONSE\_UP
ENST00000284551.11 (up) = -0.385671642870278
ENST00000493030.6 (down) = 0.199389598175673



sampleType

22RV1

DU145

LnCaP

LnCaP\_ABL LnCaP\_DB

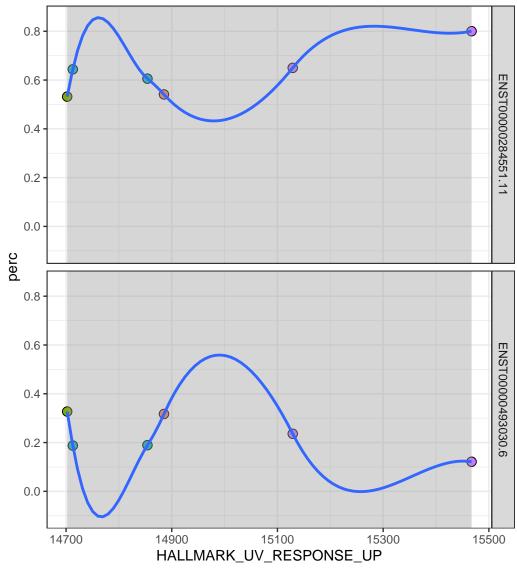
LnCaP\_DKO
LnCaP\_Nelson
LnCaP\_P53

MDAPCA2B

NCIH660 PC3

**VCAP** 

LTL\_longitudinal
Gene = TRIM11
Target = HALLMARK\_UV\_RESPONSE\_UP
ENST00000284551.11 (up) = 0.843085208226005
ENST00000493030.6 (down) = -0.60074876393433



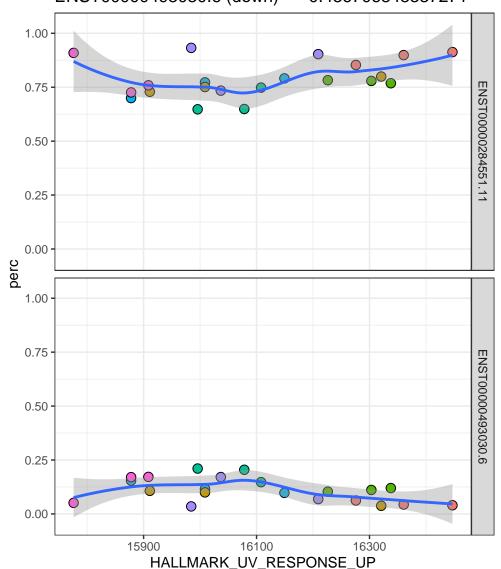
sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R

LTL331\_PreCx

PDX\_longitudinal Gene = TRIM11 Target = HALLMARK\_UV\_RESPONSE\_UP ENST00000284551.11 (up) = 0.348591548707166 ENST00000493030.6 (down) = -0.436706843337271



sampleType

- LnCaP
- LnCaP\_ABL

LnCaP\_DKO\_CX

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

CellLine Gene = TRIM11 Target = MYC\_UP.V1\_UP ENST00000284551.11 (up) = 0.291156520742859ENST00000493030.6 (down) = -0.5161364177830641.00 -0.75 ENST00000284551.11 sampleType 0.50 -22RV1 **DU145** 0.25 LnCaP LnCaP\_ABL LnCaP\_DB 0.00 0.00 LnCaP\_DKO LnCaP\_Nelson LnCaP\_P53 MDAPCA2B 0.75 ENST00000493030.6 NCIH660 PC3 0.50 **VCAP** 0.25 -0.00 13500 14000 14500 MYC\_UP.V1\_UP

LTL\_longitudinal Gene = TRIM11 Target = MYC\_UP.V1\_UP ENST00000284551.11 (up) = 0.647142279121044ENST00000493030.6 (down) = -0.5429285590964980.8 ENST00000284551.11 0.6 0.4 0.2 sampleType LTL331\_Cx\_12w perc LTL331\_Cx\_8w LTL331\_Cx\_R 0.8 LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2

12200

12400

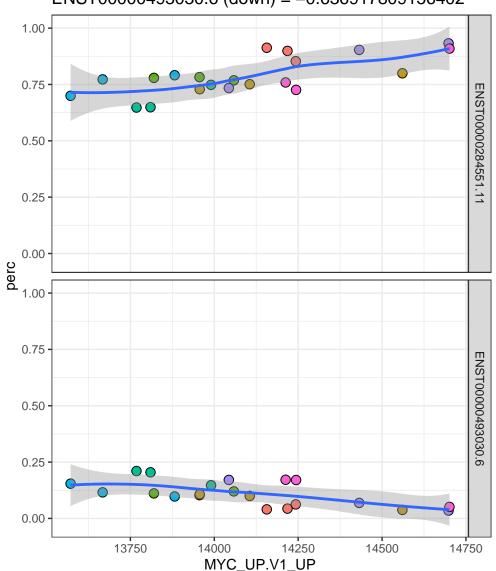
12600

MYC\_UP.V1\_UP

12800

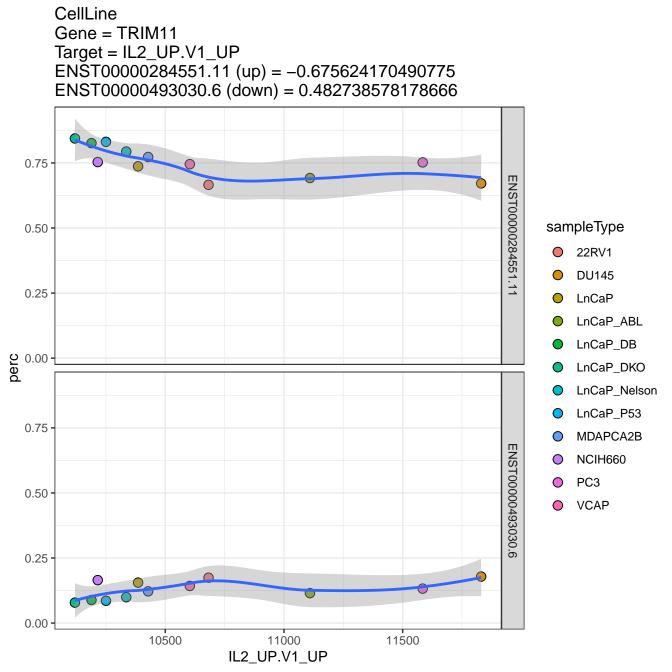
13000

PDX\_longitudinal Gene = TRIM11 Target = MYC\_UP.V1\_UP ENST00000284551.11 (up) = 0.718051576803842 ENST00000493030.6 (down) = -0.636917809156402



sampleType

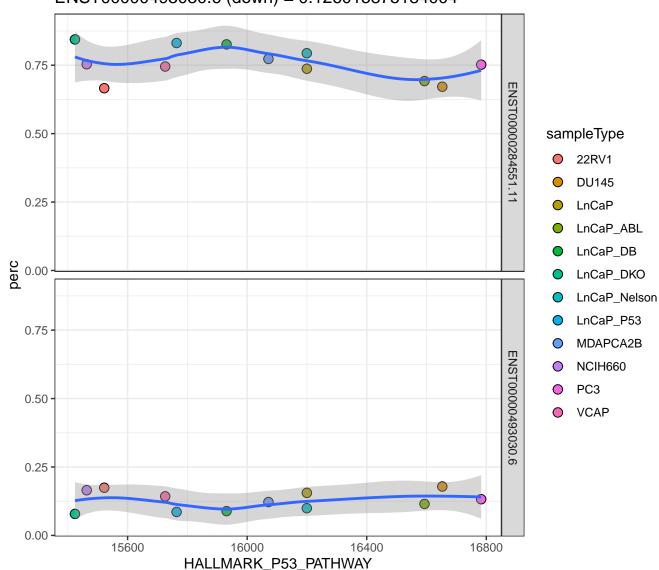
- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_CXLnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX
- LuCaP\_147
- LuCaP\_147\_CX



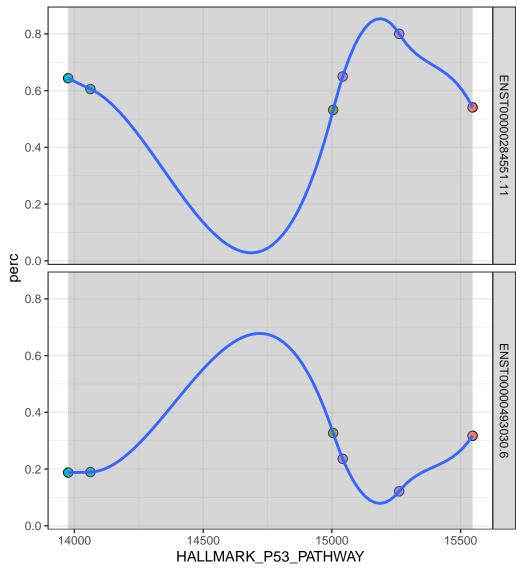
LTL\_longitudinal Gene = TRIM11 Target = IL2\_UP.V1\_UP ENST00000284551.11 (up) = 0.100797215841367 ENST00000493030.6 (down) = 0.29454969961927 0.8 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w perc LTL331\_Cx\_8w 8.0 LTL331\_Cx\_R LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2 9400 9600 9800 10000 IL2\_UP.V1\_UP

PDX\_longitudinal Gene = TRIM11 Target = IL2\_UP.V1\_UP ENST00000284551.11 (up) = 0.45769337493359ENST00000493030.6 (down) = -0.3164063393631481.00 00 9 0.75 ENST00000284551.11 0.50 sampleType 0.25 -LnCaP LnCaP\_ABL 0.00 2 0.00 ] 1.00 <del>|</del> LnCaP\_DKO\_CX LnCaP\_DKO\_ENZA LnCaP\_DKO\_PreCX LuCaP\_147 0.75 LuCaP\_147\_CX ENST00000493030.6 0.50 -0.25 0.00 10000 10250 10500 10750 IL2\_UP.V1\_UP

CellLine
Gene = TRIM11
Target = HALLMARK\_P53\_PATHWAY
ENST00000284551.11 (up) = -0.376186905422724
ENST00000493030.6 (down) = 0.126015875184004



LTL\_longitudinal
Gene = TRIM11
Target = HALLMARK\_P53\_PATHWAY
ENST00000284551.11 (up) = 0.0106287350327522
ENST00000493030.6 (down) = 0.389710060728891



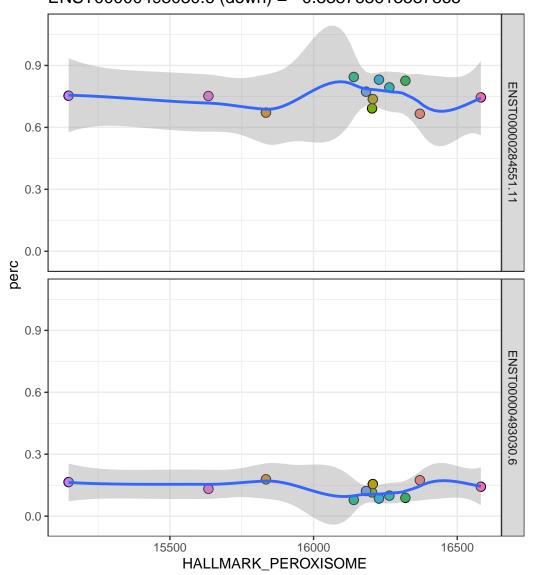
sampleType

LTL331\_Cx\_12w LTL331\_Cx\_8w LTL331\_Cx\_R

LTL331\_PreCx

PDX\_longitudinal Gene = TRIM11 Target = HALLMARK\_P53\_PATHWAY ENST00000284551.11 (up) = 0.656535863402131ENST00000493030.6 (down) = -0.4550711546111251.00  $\infty$ 0.75 -0 ENST00000284551.11 0.50 sampleType 0.25 LnCaP LnCaP\_ABL 0.00 1.00 LnCaP\_DKO\_CX LnCaP\_DKO\_ENZA LnCaP\_DKO\_PreCX LuCaP\_147 0.75 -LuCaP\_147\_CX ENST00000493030.6 0.50 -0.25 -0.00 15600 15900 16200 16500 HALLMARK\_P53\_PATHWAY

CellLine
Gene = TRIM11
Target = HALLMARK\_PEROXISOME
ENST00000284551.11 (up) = 0.0975355925987811
ENST00000493030.6 (down) = -0.338768613587865



sampleType

22RV1

DU145

LnCaP

LnCaP\_ABL

LnCaP\_DB

LnCaP\_DKO
LnCaP\_Nelson
LnCaP\_P53

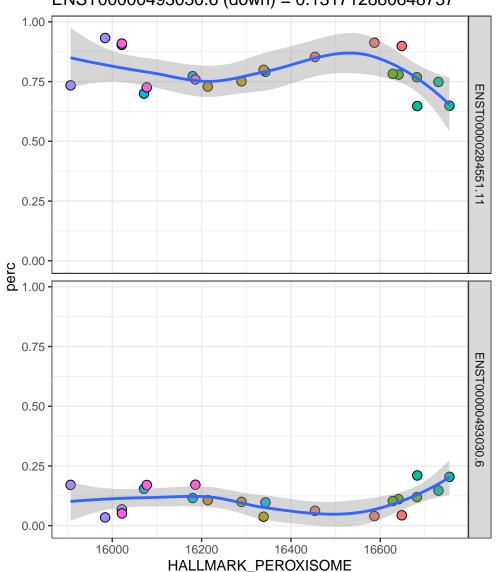
MDAPCA2B

NCIH660 PC3

**VCAP** 

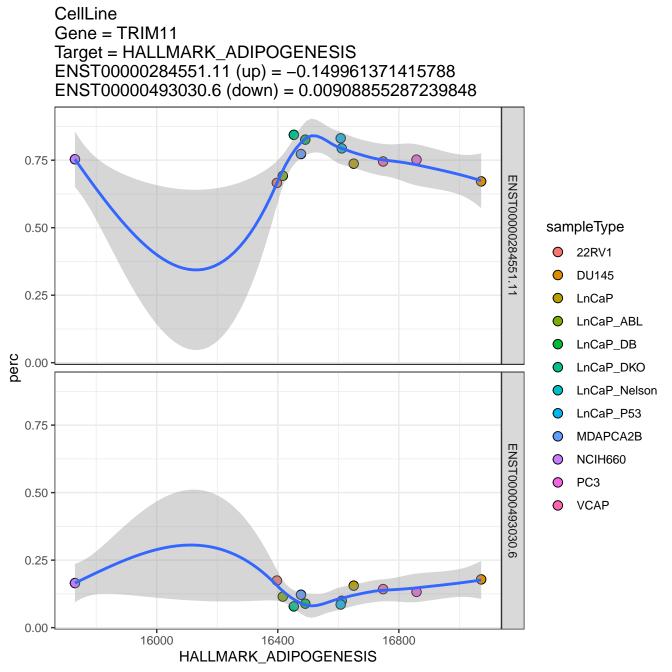
LTL\_longitudinal Gene = TRIM11 Target = HALLMARK\_PEROXISOME ENST00000284551.11 (up) = 0.341445556671331 ENST00000493030.6 (down) = 0.0828898104222817 0.8 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w perc LTL331\_Cx\_8w LTL331\_Cx\_R 0.8 LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2 14500 15000 15500 16000 HALLMARK\_PEROXISOME

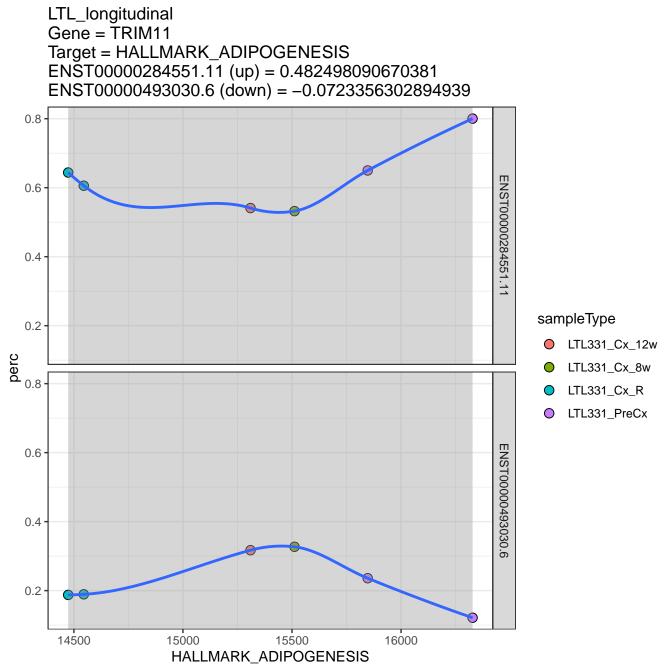
PDX\_longitudinal Gene = TRIM11 Target = HALLMARK\_PEROXISOME ENST00000284551.11 (up) = -0.222075205261521 ENST00000493030.6 (down) = 0.131712880648737



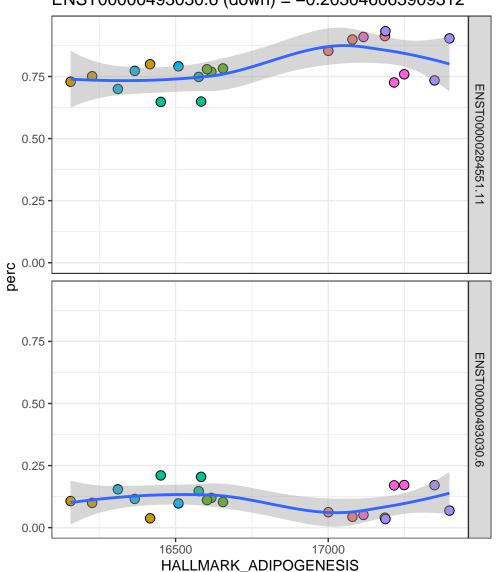
sampleType

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





PDX\_longitudinal Gene = TRIM11 Target = HALLMARK\_ADIPOGENESIS ENST00000284551.11 (up) = 0.565157114458322 ENST00000493030.6 (down) = -0.203046063909312



sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_ENZA
- LnCaP\_DKO\_PreCX

LnCaP\_DKO\_CX

- O LuCaP\_147
- LuCaP\_147\_CX

CellLine Gene = TRIM11 Target = HALLMARK\_DNA\_REPAIR ENST00000284551.11 (up) = -0.247487004585149 ENST00000493030.6 (down) = 0.1410719208706651.00 0.75 ENST00000284551.11 sampleType 0.50 -22RV1 **DU145** 0.25 LnCaP LnCaP\_ABL LnCaP\_DB 0.00 -0.00 -LnCaP\_DKO LnCaP\_Nelson LnCaP\_P53 MDAPCA2B 0.75 -ENST00000493030.6 NCIH660 PC3 0.50 **VCAP** 0.25 -0.00

17800

18000

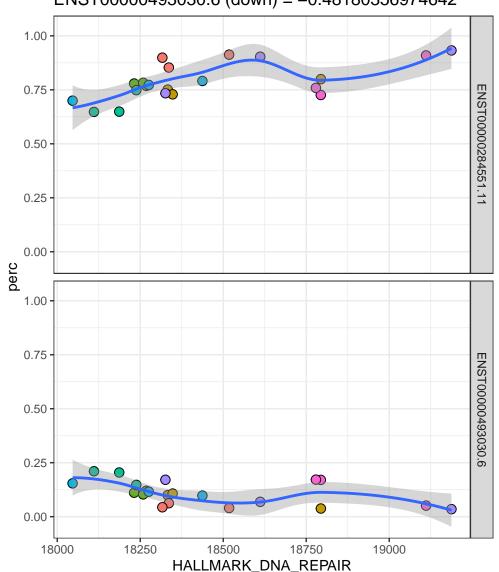
18200

HALLMARK\_DNA\_REPAIR

18400

LTL\_longitudinal Gene = TRIM11 Target = HALLMARK\_DNA\_REPAIR ENST00000284551.11 (up) = 0.772246254407424 ENST00000493030.6 (down) = -0.946401906125928 8.0 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w LTL331\_Cx\_8w 8.0 LTL331\_Cx\_R LTL331\_PreCx ENST00000493030.6 0.6 0.4 0.2 16000 16500 17000 HALLMARK\_DNA\_REPAIR

PDX\_longitudinal Gene = TRIM11 Target = HALLMARK\_DNA\_REPAIR ENST00000284551.11 (up) = 0.60236454099283 ENST00000493030.6 (down) = -0.48180356974642



sampleType

LnCaP

LnCaP\_ABL

LuCaP\_147

LuCaP\_147\_CX

LnCaP\_DKO\_CX

LnCaP\_DKO\_ENZA

LnCaP\_DKO\_PreCX

CellLine Gene = TRIM11 Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY ENST00000284551.11 (up) = 0.0963297052319516 ENST00000493030.6 (down) = -0.2228166557885291.00 ENST00000284551.11 0.75 sampleType 0.50 22RV1 DU145 0.25 LnCaP LnCaP\_ABL LnCaP DB 0.00 LnCaP DKO LnCaP\_Nelson 1.00 LnCaP P53 MDAPCA2B 0.75 -ENST00000493030.6 NCIH660 PC3 **VCAP** 0.50

18000 HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY

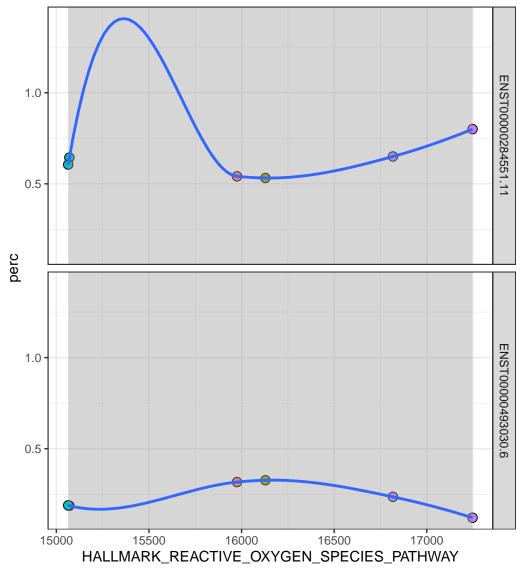
18500

0.25

0.00

17500

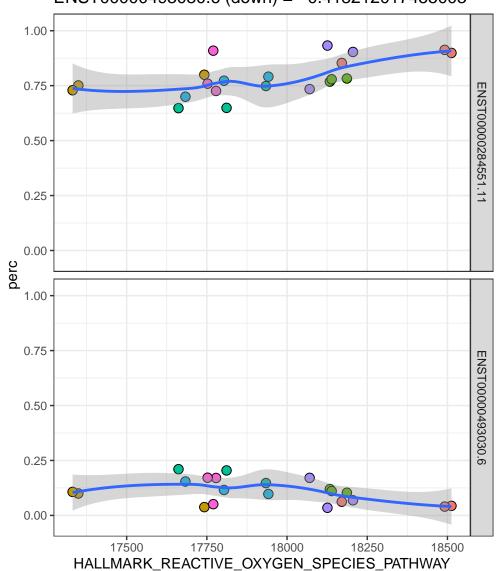
LTL\_longitudinal
Gene = TRIM11
Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY
ENST00000284551.11 (up) = 0.525043727480894
ENST00000493030.6 (down) = -0.118998540338316



sampleType

LTL331\_Cx\_12w

LTL331\_Cx\_8w LTL331\_Cx\_R LTL331\_PreCx PDX\_longitudinal
Gene = TRIM11
Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY
ENST00000284551.11 (up) = 0.609499926198968
ENST00000493030.6 (down) = -0.418212017455003



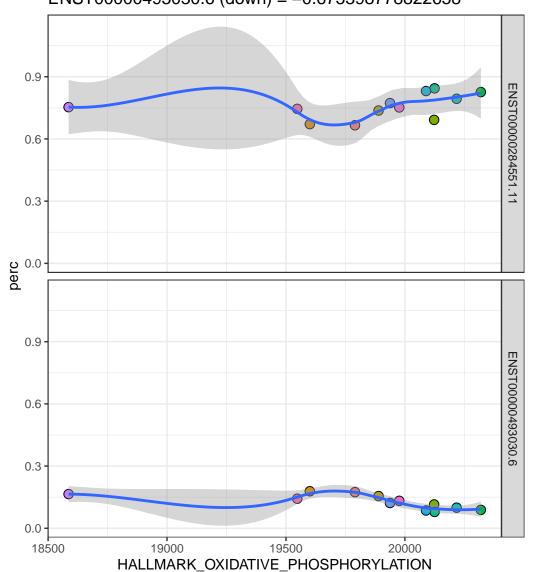
sampleType

- LnCaP
- LnCaP\_ABL
- LnCaP\_DKO\_ENZA

LnCaP\_DKO\_CX

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

CellLine
Gene = TRIM11
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION
ENST00000284551.11 (up) = 0.342631547024008
ENST00000493030.6 (down) = -0.675398778822658



sampleType

22RV1 DU145

LnCaP

LnCaP\_ABL LnCaP\_DB

LnCaP\_DKO
LnCaP\_Nelson
LnCaP\_P53

MDAPCA2B

NCIH660 PC3

**VCAP** 

LTL\_longitudinal Gene = TRIM11 Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION ENST00000284551.11 (up) = 0.920406451537823 ENST00000493030.6 (down) = -0.819642661565318 8.0 ENST00000284551.11 0.6 0.4 sampleType 0.2 LTL331\_Cx\_12w perc LTL331\_Cx\_8w 0.8 LTL331\_Cx\_R LTL331\_PreCx ENST00000493030.6 0.6 0.4

0.2

17000

17500

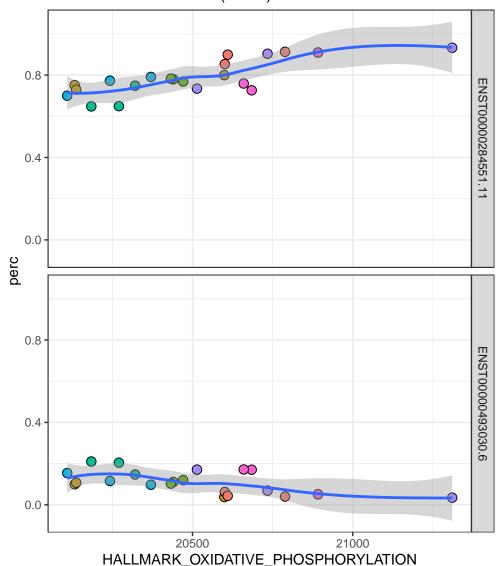
18000

HALLMARK\_OXIDATIVE\_PHOSPHORYLATION

18500

19000

PDX\_longitudinal
Gene = TRIM11
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION
ENST00000284551.11 (up) = 0.780653269388447
ENST00000493030.6 (down) = -0.561418240450062

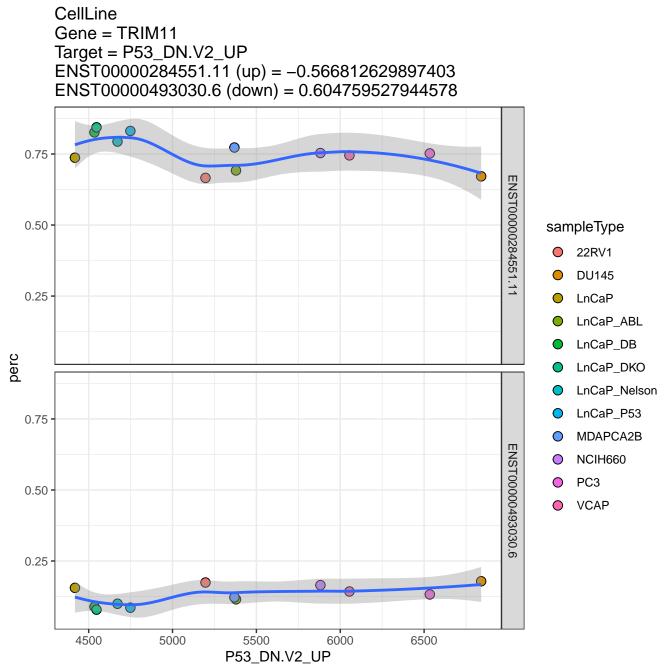


sampleType

- LnCaP
- LnCaP\_ABL

LnCaP\_DKO\_CX

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



LTL\_longitudinal Gene = TRIM11 Target = P53\_DN.V2\_UP ENST00000284551.11 (up) = 0.0571696920060607 ENST00000493030.6 (down) = 0.0136010118451405 0.9 0.6 ENST00000284551.11 0.3 0.0 sampleType LTL331\_Cx\_12w LTL331\_Cx\_8w 0.9 LTL331\_Cx\_R LTL331\_PreCx 0.6 ENST00000493030.6 0.3

4750

5000

0.0

4250

4500

P53\_DN.V2\_UP

PDX\_longitudinal
Gene = TRIM11
Target = P53\_DN.V2\_UP
ENST00000284551.11 (up) = 0.225833522733608
ENST00000493030.6 (down) = 0.0803858220567681

sampleType

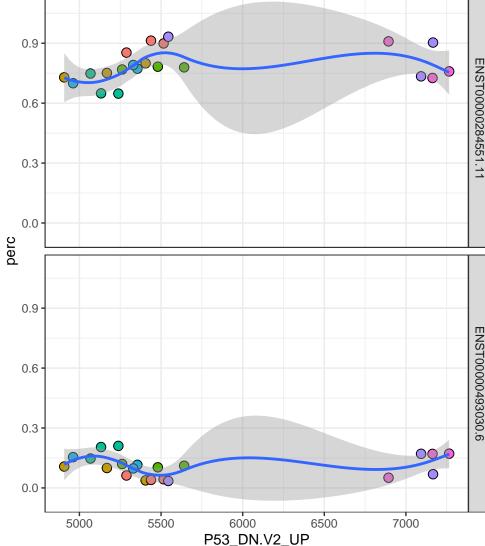
• LnCaP

LnCaP\_ABL

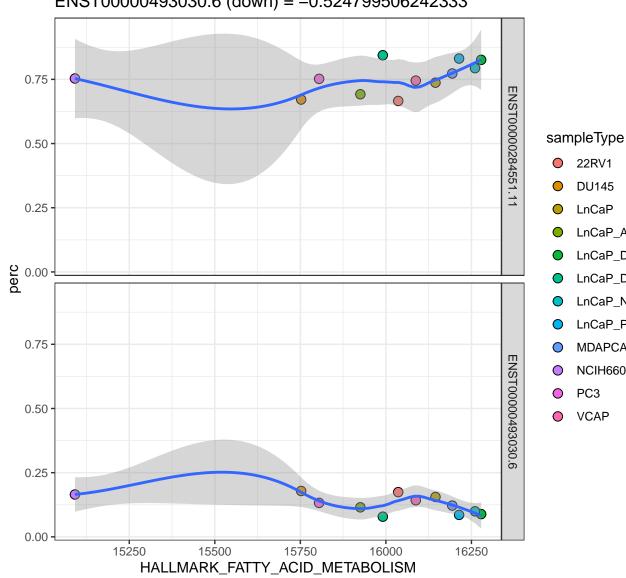
LuCaP\_147 LuCaP\_147\_CX

LnCaP\_DKO\_CX

LnCaP\_DKO\_ENZA LnCaP\_DKO\_PreCX



CellLine Gene = TRIM11 Target = HALLMARK\_FATTY\_ACID\_METABOLISM ENST00000284551.11 (up) = 0.322173144774538ENST00000493030.6 (down) = -0.524799506242333



22RV1 DU145

LnCaP

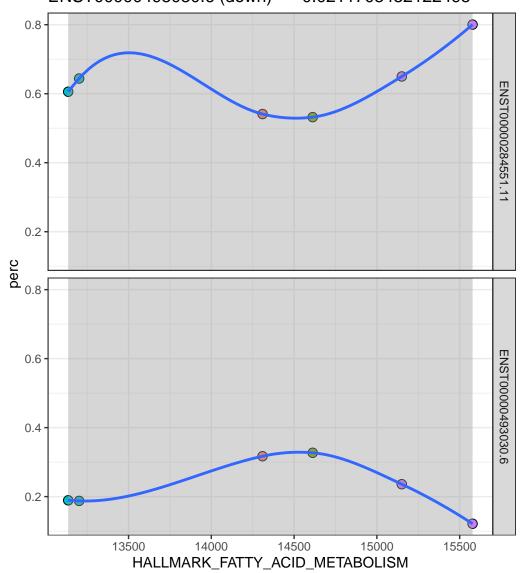
LnCaP\_ABL LnCaP\_DB LnCaP\_DKO LnCaP\_Nelson LnCaP P53

MDAPCA2B

NCIH660 PC3

**VCAP** 

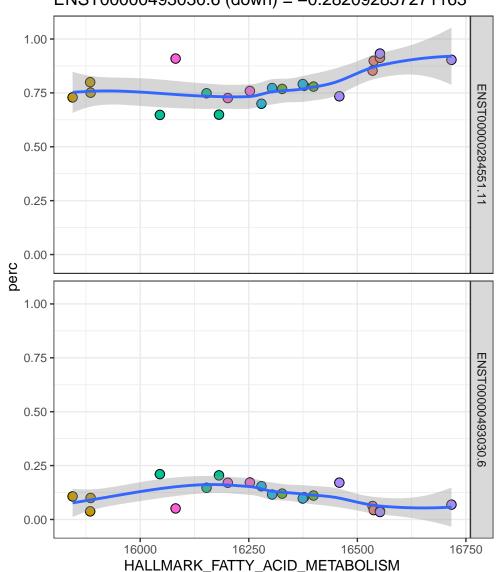
LTL\_longitudinal
Gene = TRIM11
Target = HALLMARK\_FATTY\_ACID\_METABOLISM
ENST00000284551.11 (up) = 0.442413180361865
ENST00000493030.6 (down) = -0.0211703432122495



sampleType

LTL331\_Cx\_12w LTL331\_Cx\_8w

LTL331\_Cx\_R LTL331\_PreCx PDX\_longitudinal
Gene = TRIM11
Target = HALLMARK\_FATTY\_ACID\_METABOLISM
ENST00000284551.11 (up) = 0.55341371170105
ENST00000493030.6 (down) = -0.282092857271163



sampleType

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