

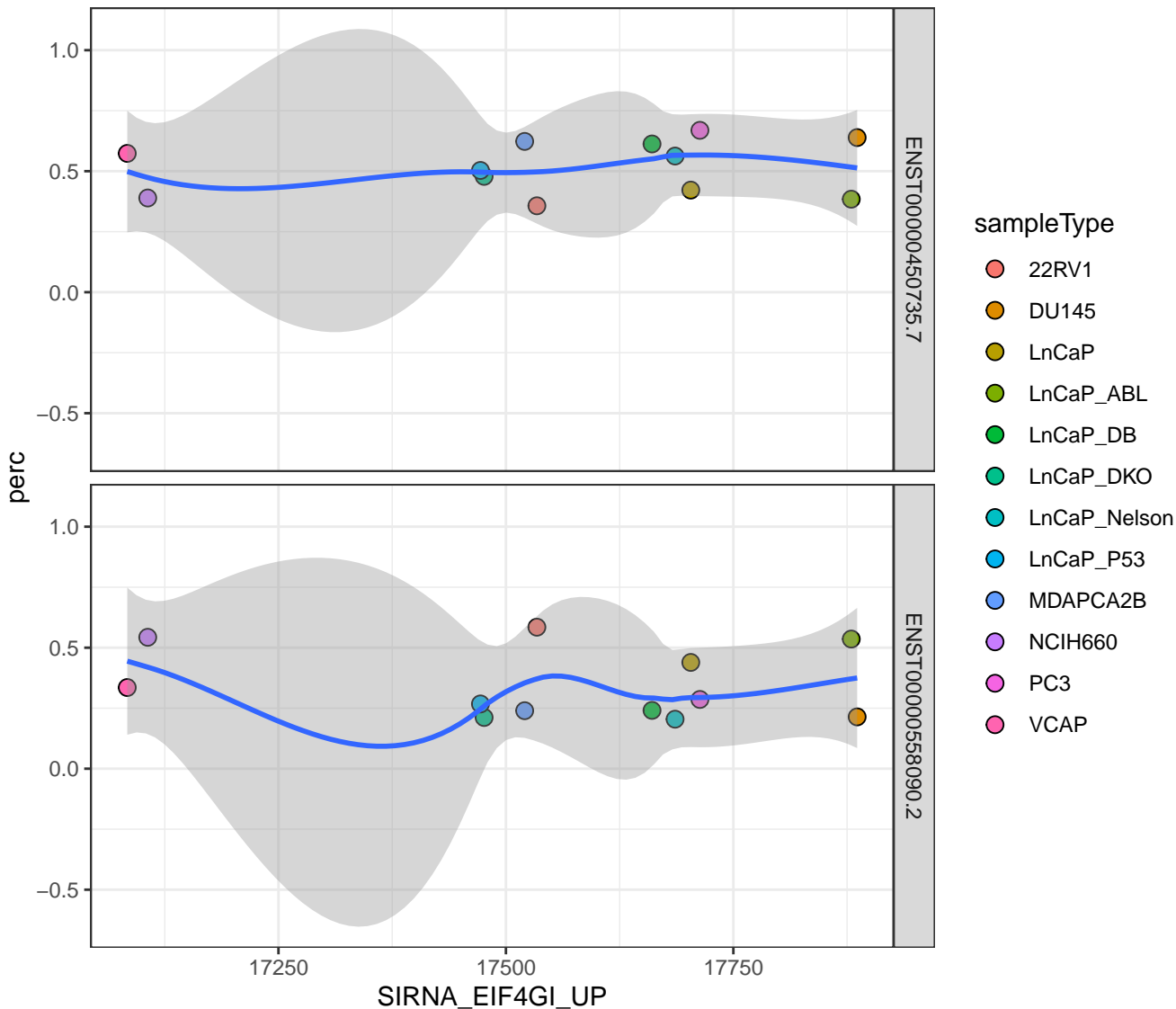
CellLine

Gene = HOMER2

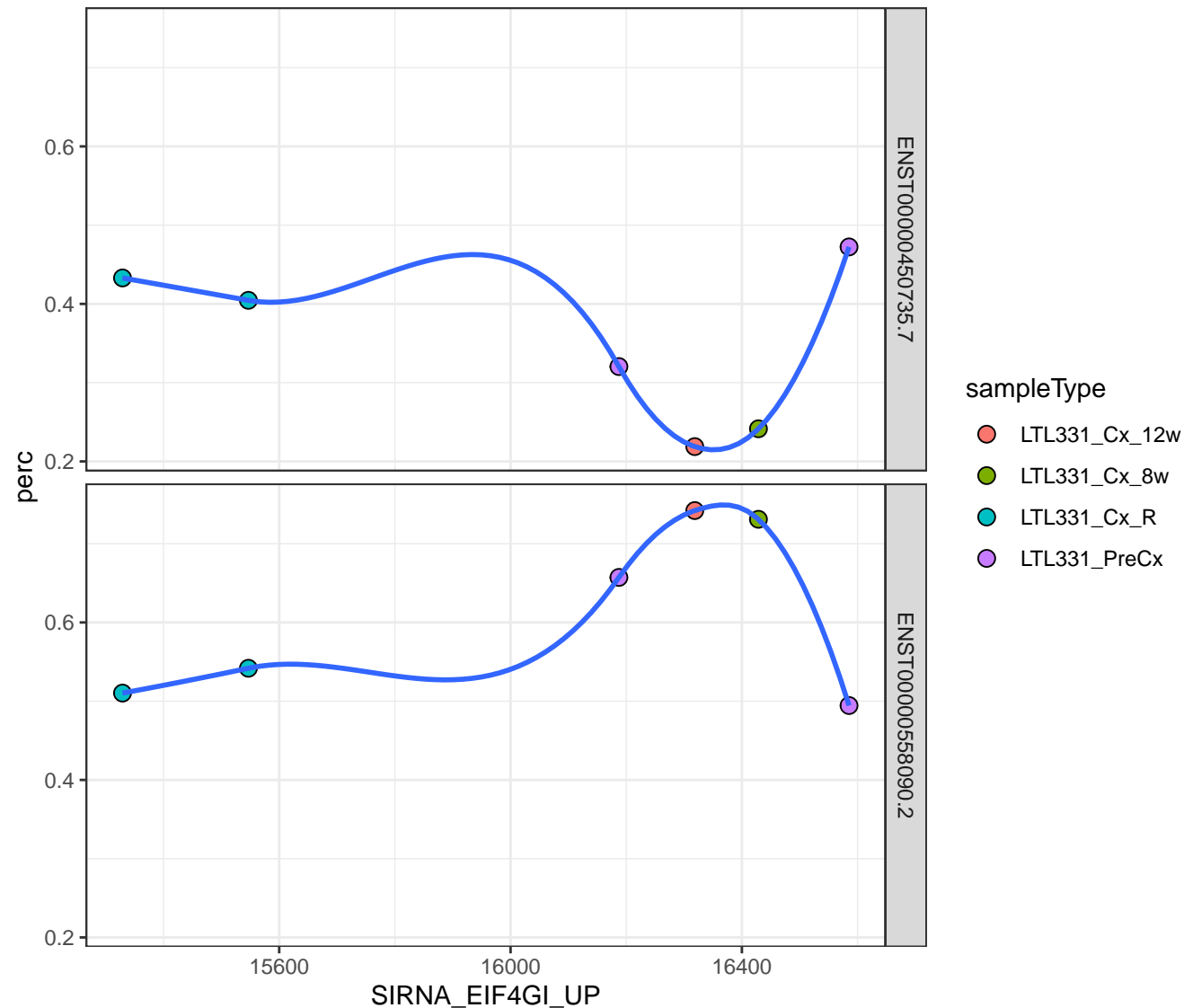
Target = SIRNA\_EIF4GI\_UP

ENST00000450735.7 (up) = 0.185224109863733

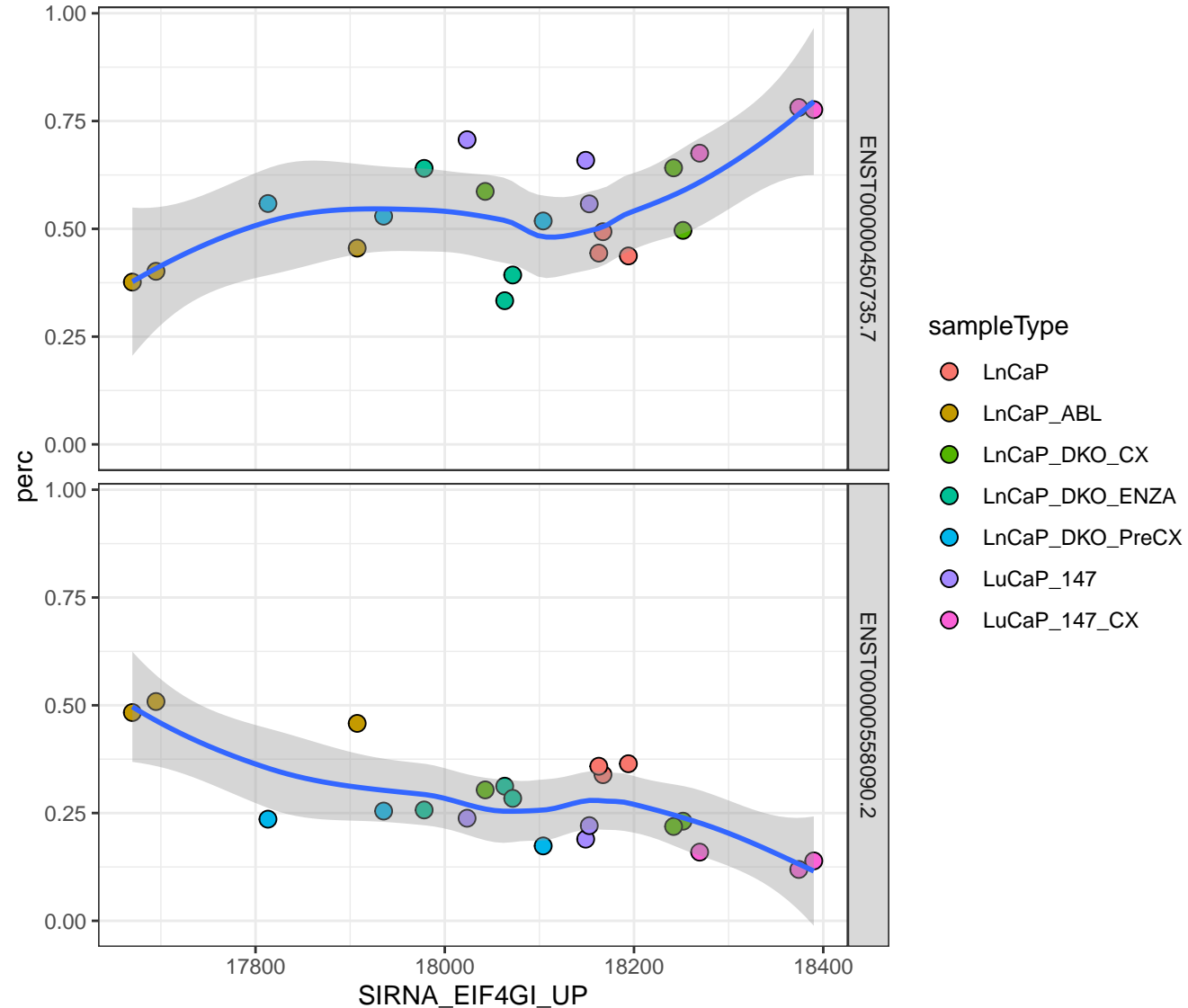
ENST00000558090.2 (down) = -0.183259986712406



LTL\_longitudinal  
 Gene = HOMER2  
 Target = SIRNA\_EIF4GI\_UP  
 ENST00000450735.7 (up) =  $-0.383708741343286$   
 ENST00000558090.2 (down) =  $0.464993885133077$



PDX\_longitudinal  
Gene = HOMER2  
Target = SIRNA\_EIF4GI\_UP  
ENST00000450735.7 (up) = 0.547821761720112  
ENST00000558090.2 (down) = -0.720171059369594



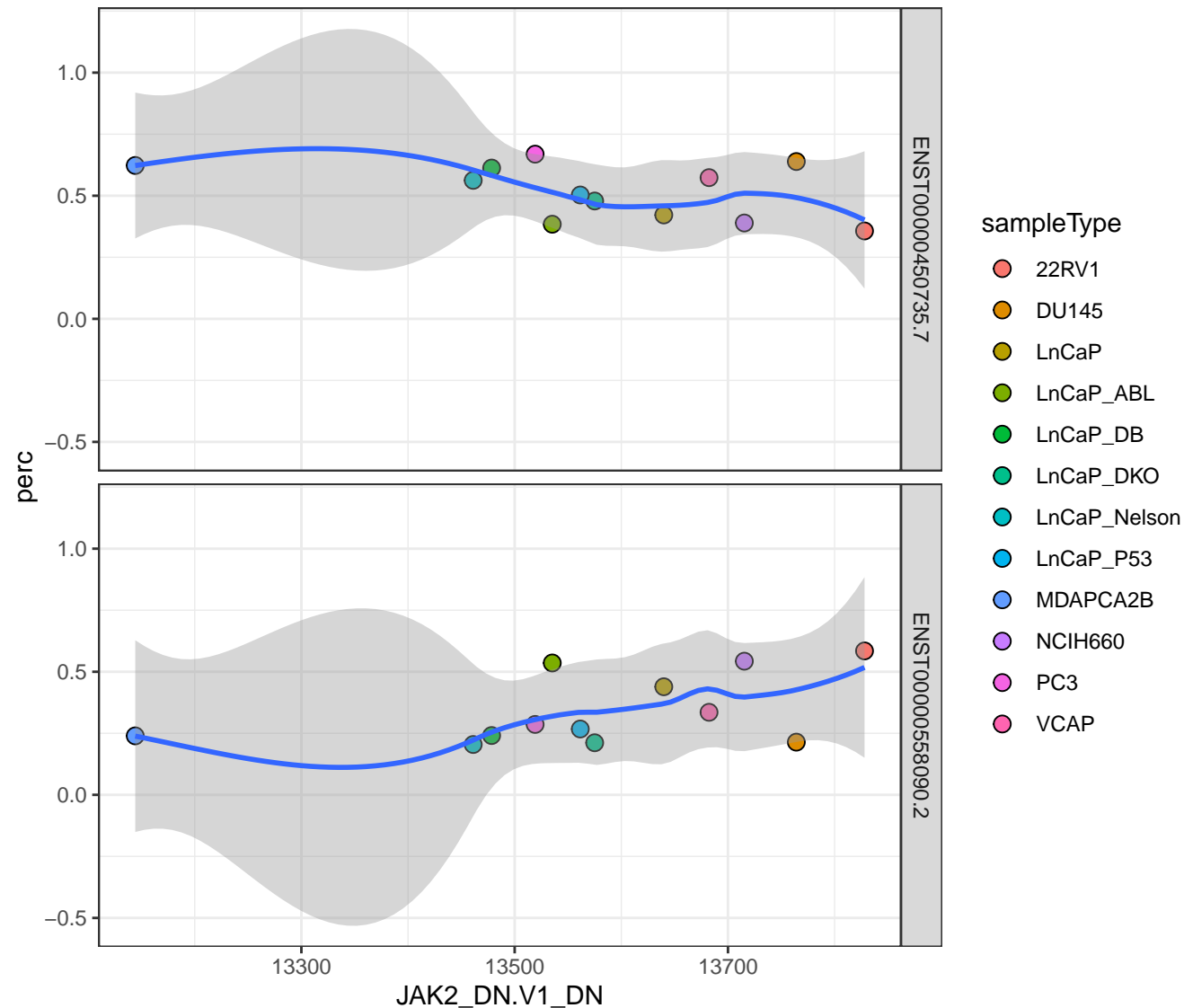
CellLine

Gene = HOMER2

Target = JAK2\_DN.V1\_DN

ENST00000558090.2 (up) = 0.486295905836635

ENST00000450735.7 (down) = -0.456799239633343



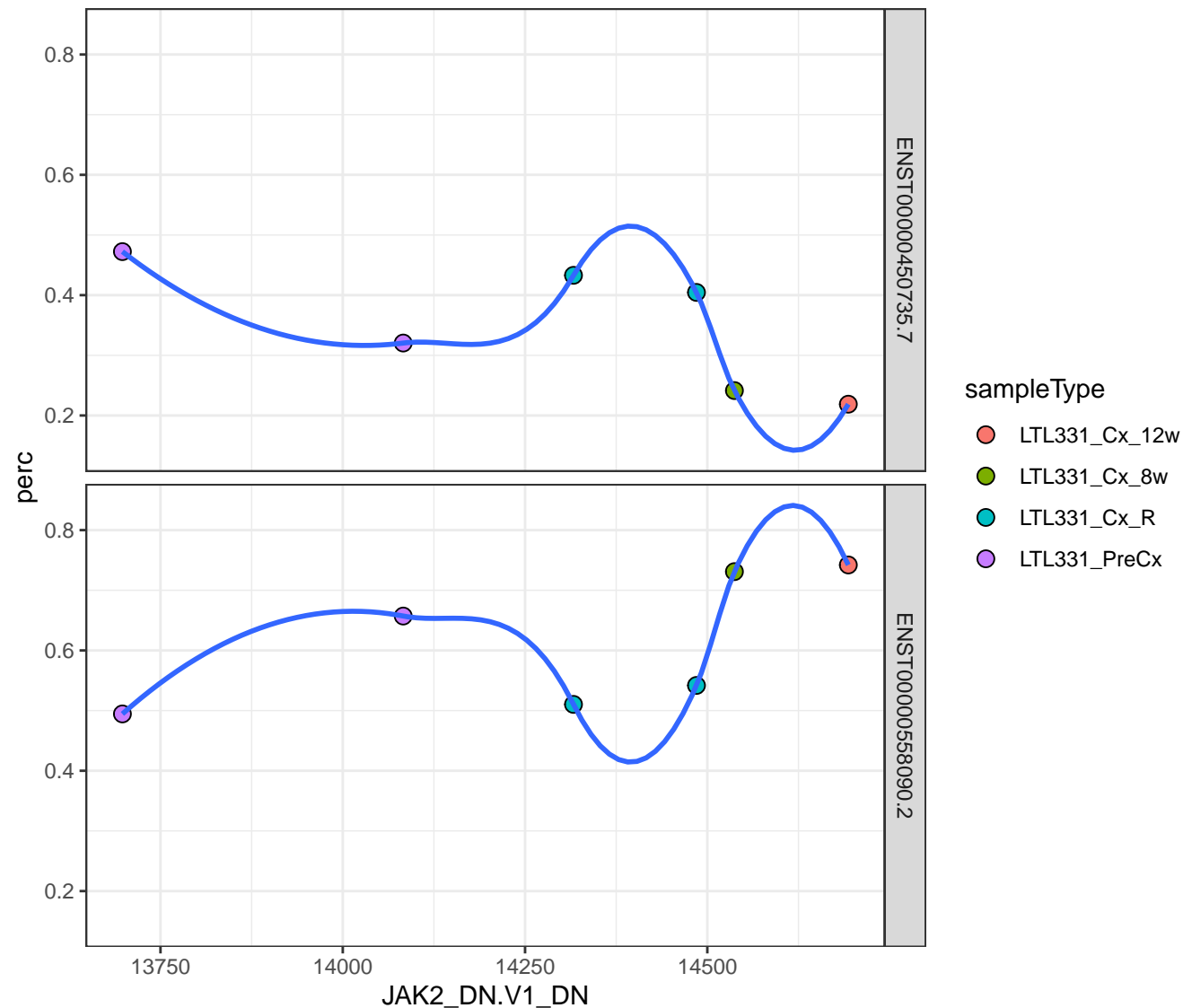
LTL\_longitudinal

Gene = HOMER2

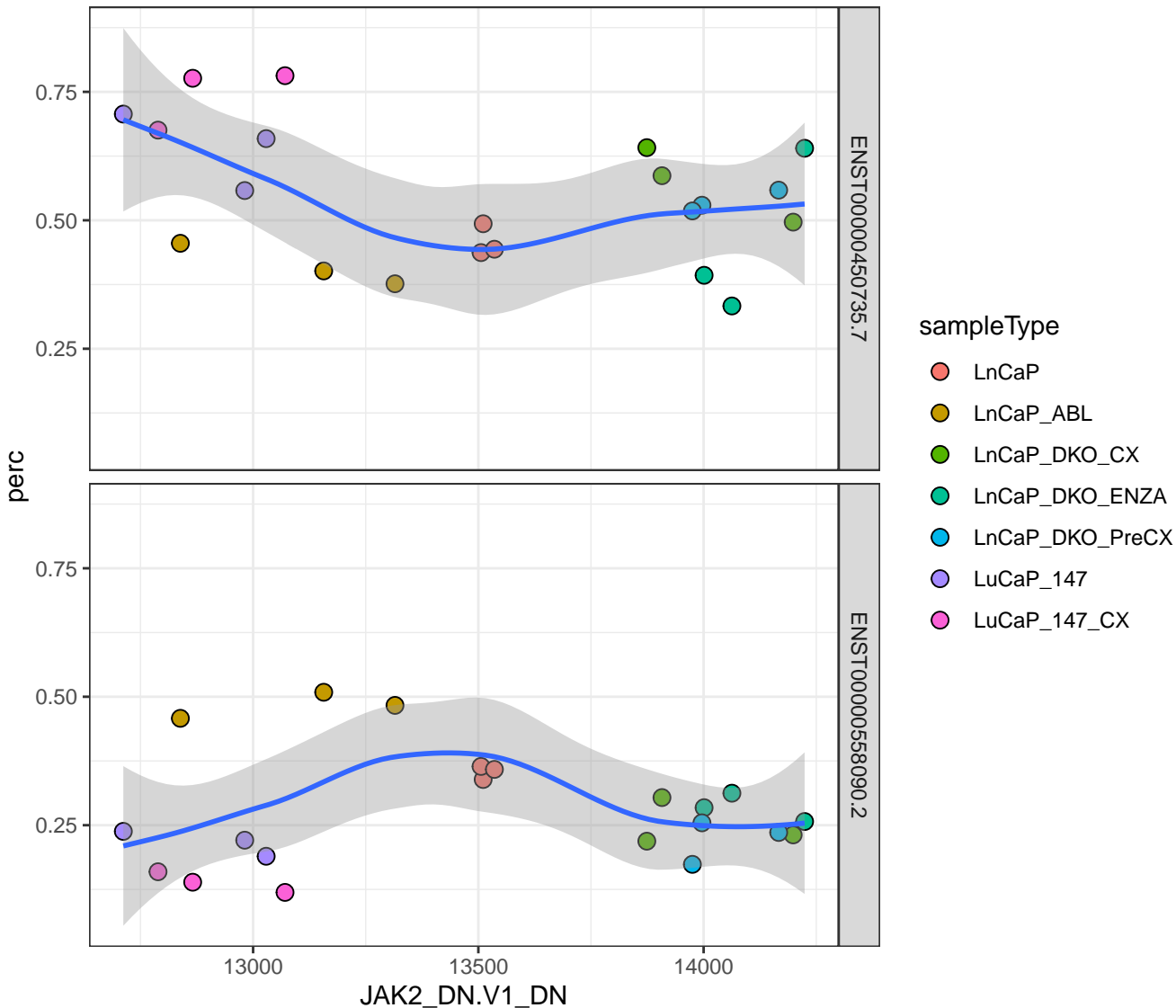
Target = JAK2\_DN.V1\_DN

ENST00000558090.2 (up) = 0.622561288714823

ENST00000450735.7 (down) = -0.703312996906012



PDX\_longitudinal  
 Gene = HOMER2  
 Target = JAK2\_DN.V1\_DN  
 ENST00000558090.2 (up) =  $-0.0131128774484442$   
 ENST00000450735.7 (down) =  $-0.372202005659226$



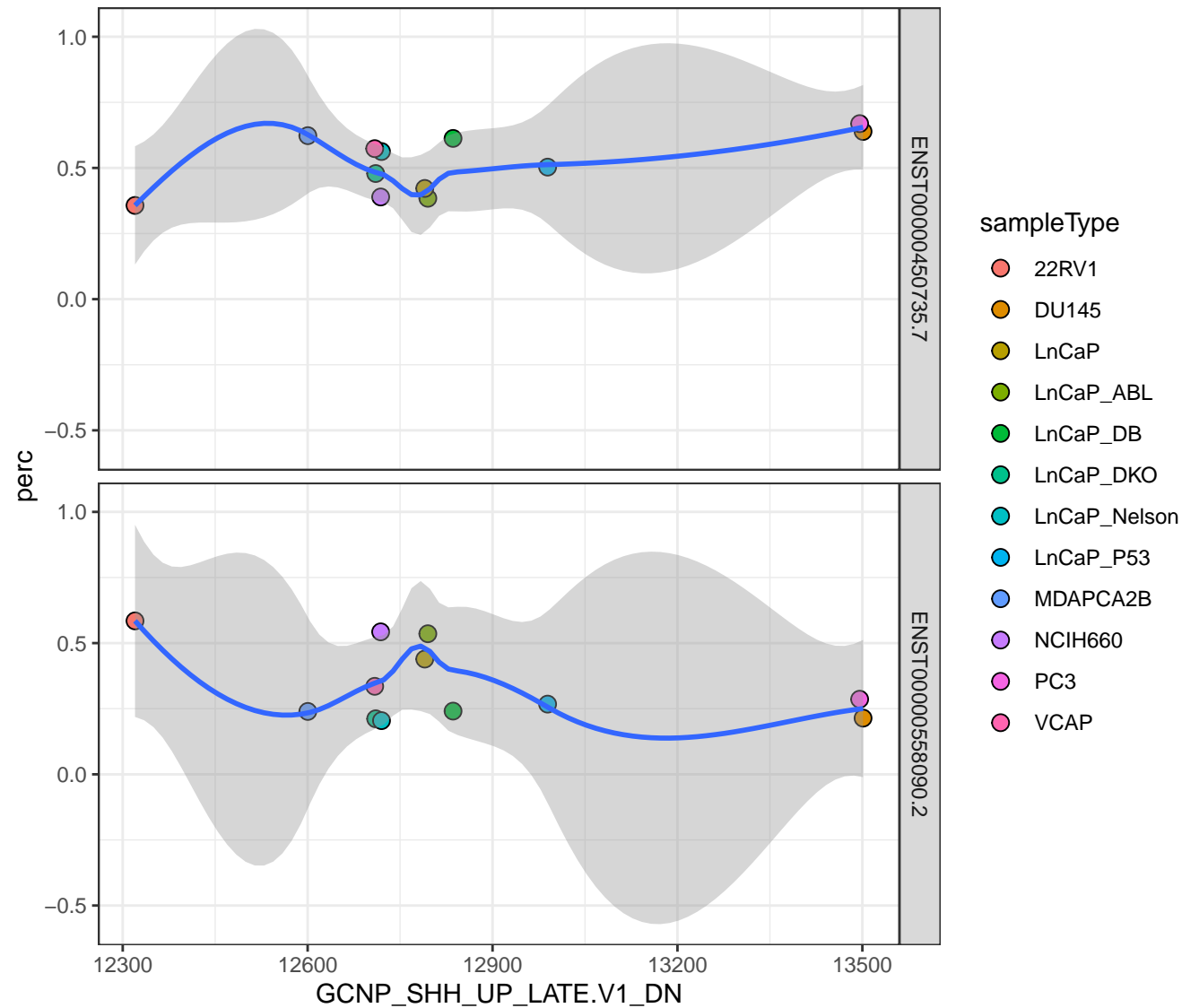
CellLine

Gene = HOMER2

Target = GCNP\_SHH\_UP\_LATE.V1\_DN

ENST00000450735.7 (up) = 0.612296743173523

ENST00000558090.2 (down) = -0.438603454354023



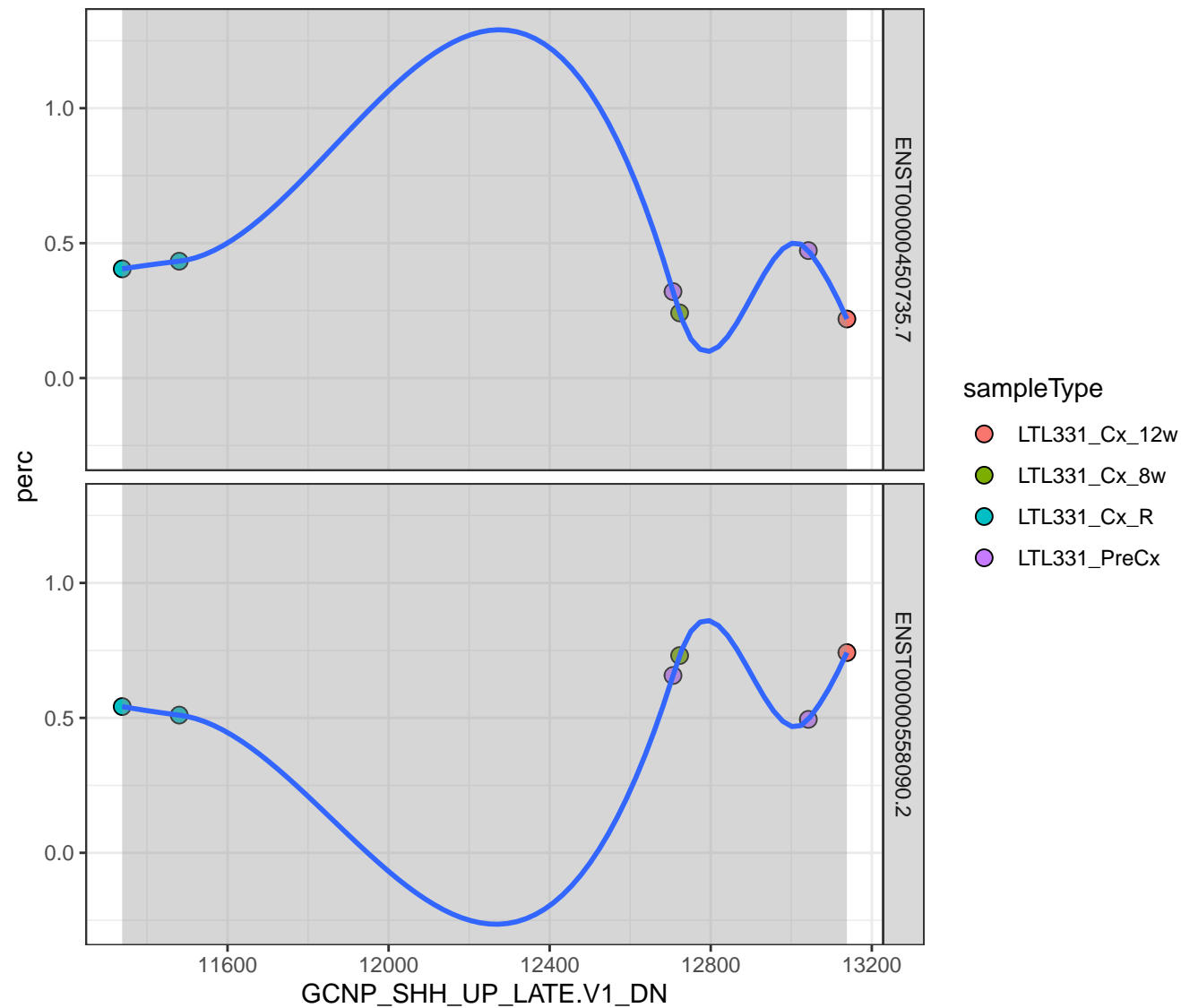
LTL\_longitudinal

Gene = HOMER2

Target = GCNP\_SHH\_UP\_LATE.V1\_DN

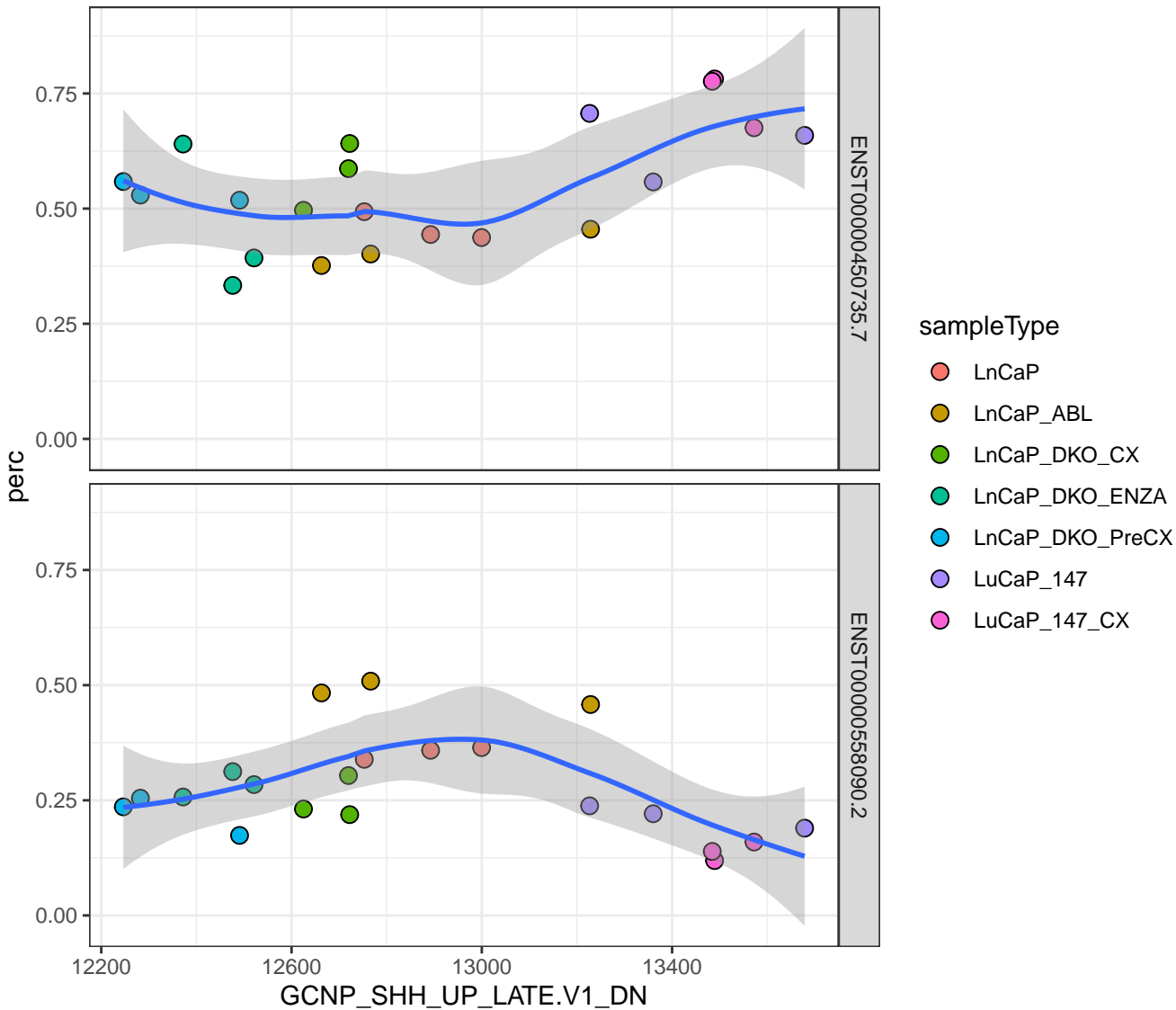
ENST00000450735.7 (up) = -0.475103713857801

ENST00000558090.2 (down) = 0.545857544013031





PDX\_longitudinal  
Gene = HOMER2  
Target = GCNP\_SHH\_UP\_LATE.V1\_DN  
ENST00000450735.7 (up) = 0.545686013982218  
ENST00000558090.2 (down) = -0.293915622703256



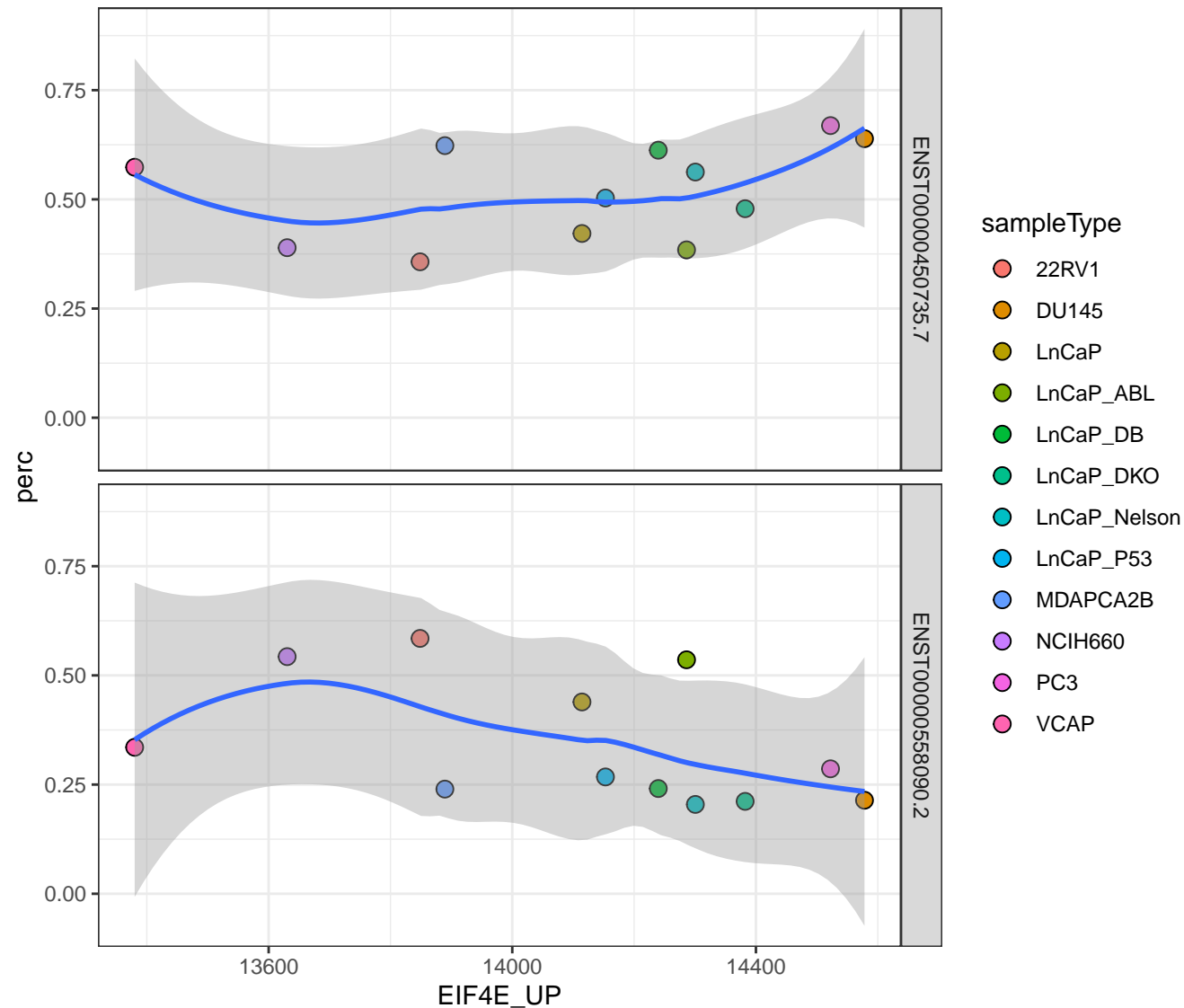
CellLine

Gene = HOMER2

Target = EIF4E\_UP

ENST00000450735.7 (up) = 0.330190677922518

ENST00000558090.2 (down) = -0.453345274211555



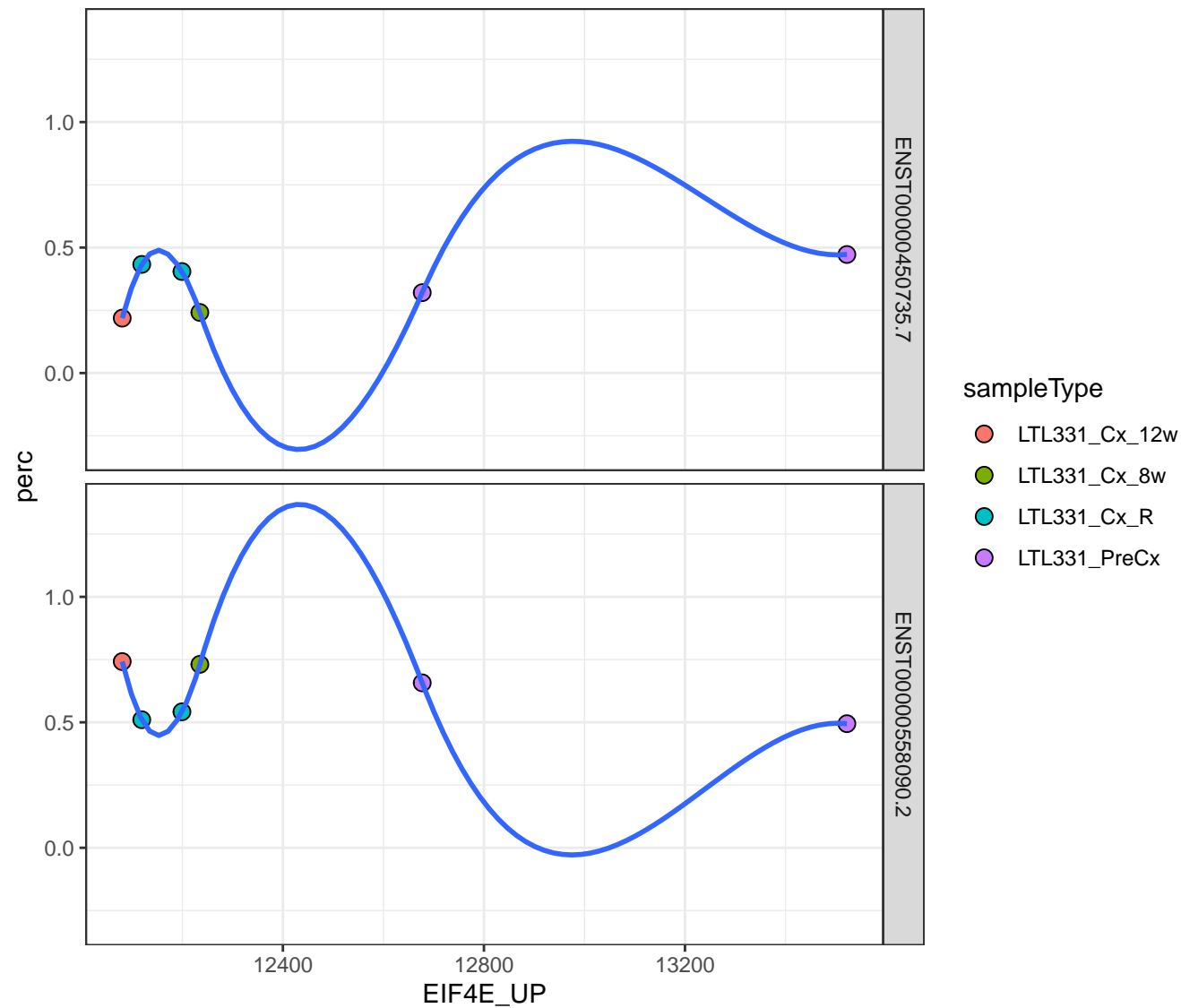
LTL\_longitudinal

Gene = HOMER2

Target = EIF4E\_UP

ENST00000450735.7 (up) = 0.533211363924839

ENST00000558090.2 (down) = -0.444932489162914



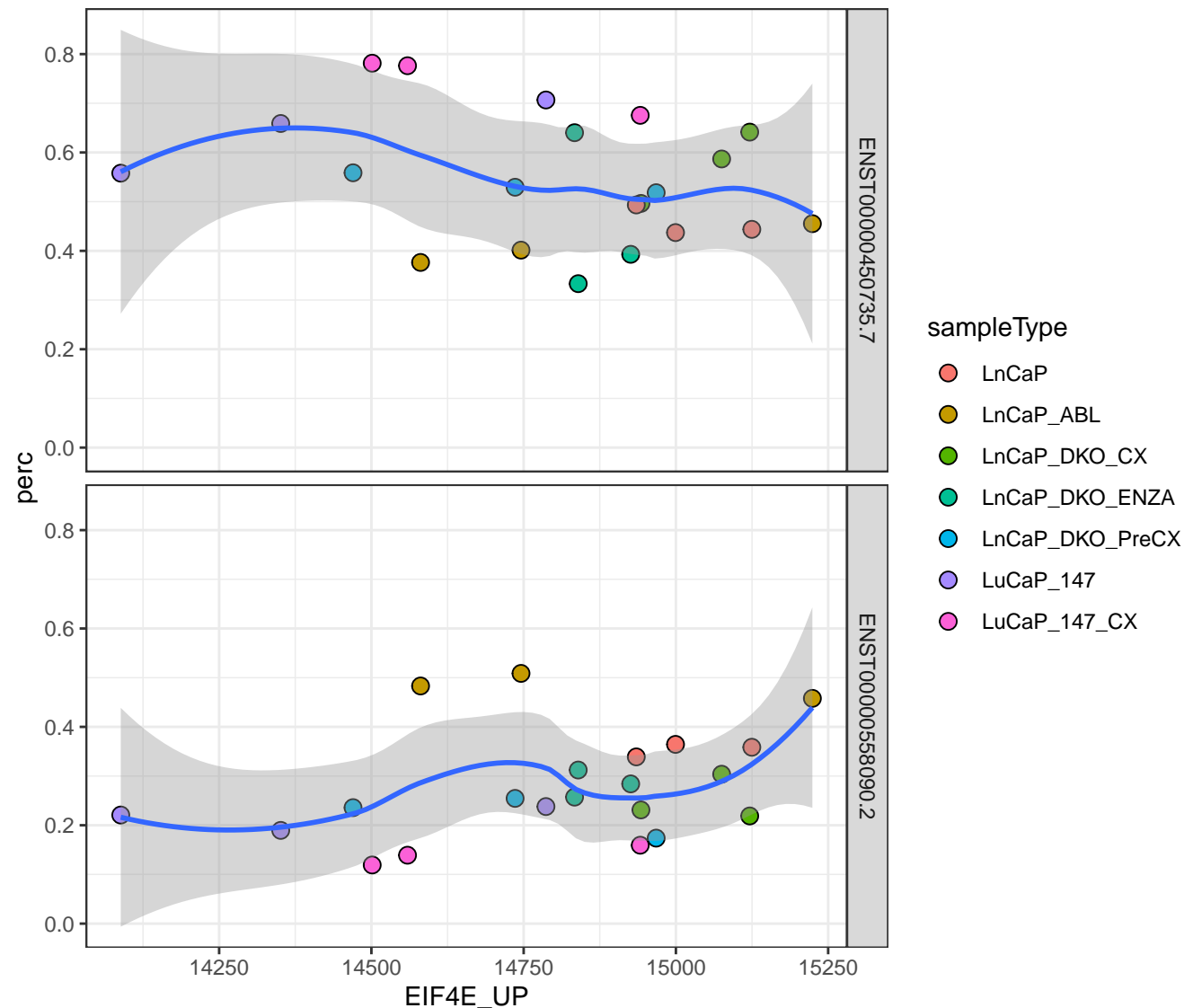
PDX\_longitudinal

Gene = HOMER2

Target = EIF4E\_UP

ENST00000450735.7 (up) =  $-0.298546470048608$

ENST00000558090.2 (down) =  $0.315453402139534$



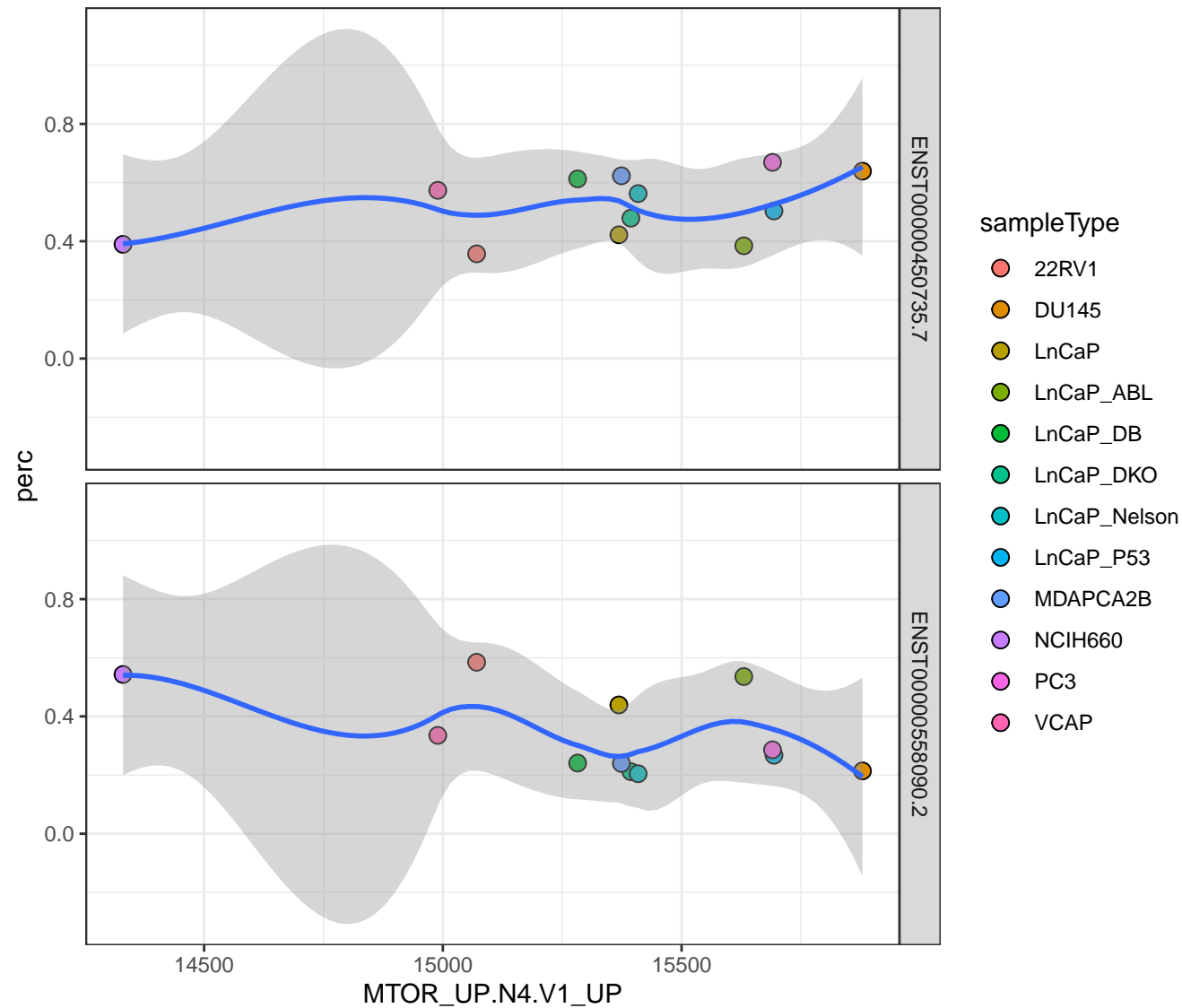
CellLine

Gene = HOMER2

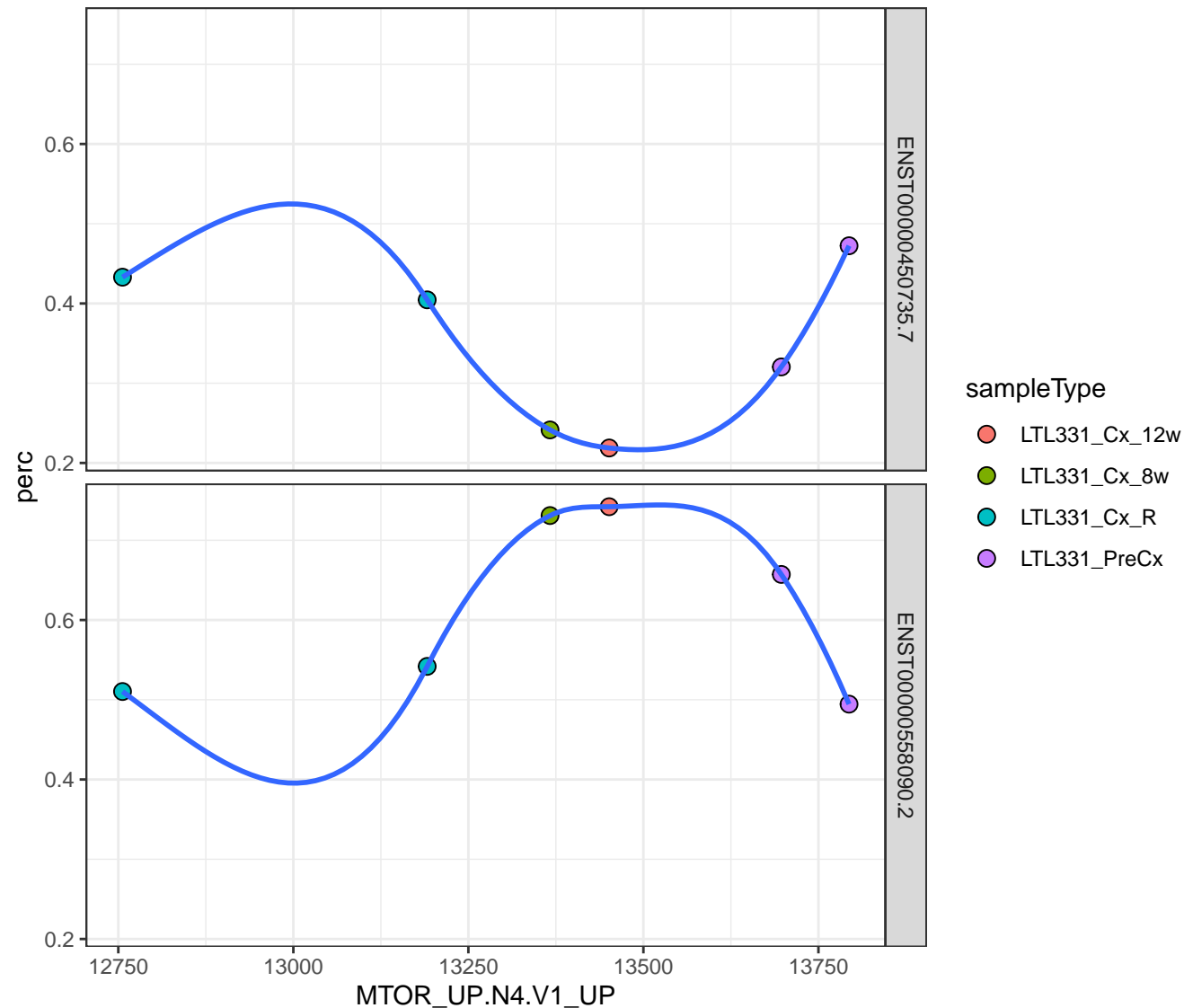
Target = MTOR\_UP.N4.V1\_UP

ENST00000450735.7 (up) = 0.45047643693647

ENST00000558090.2 (down) = -0.517153052301118



LTL\_longitudinal  
Gene = HOMER2  
Target = MTOR\_UP.N4.V1\_UP  
ENST00000450735.7 (up) = -0.146677943072993  
ENST00000558090.2 (down) = 0.239728030670615



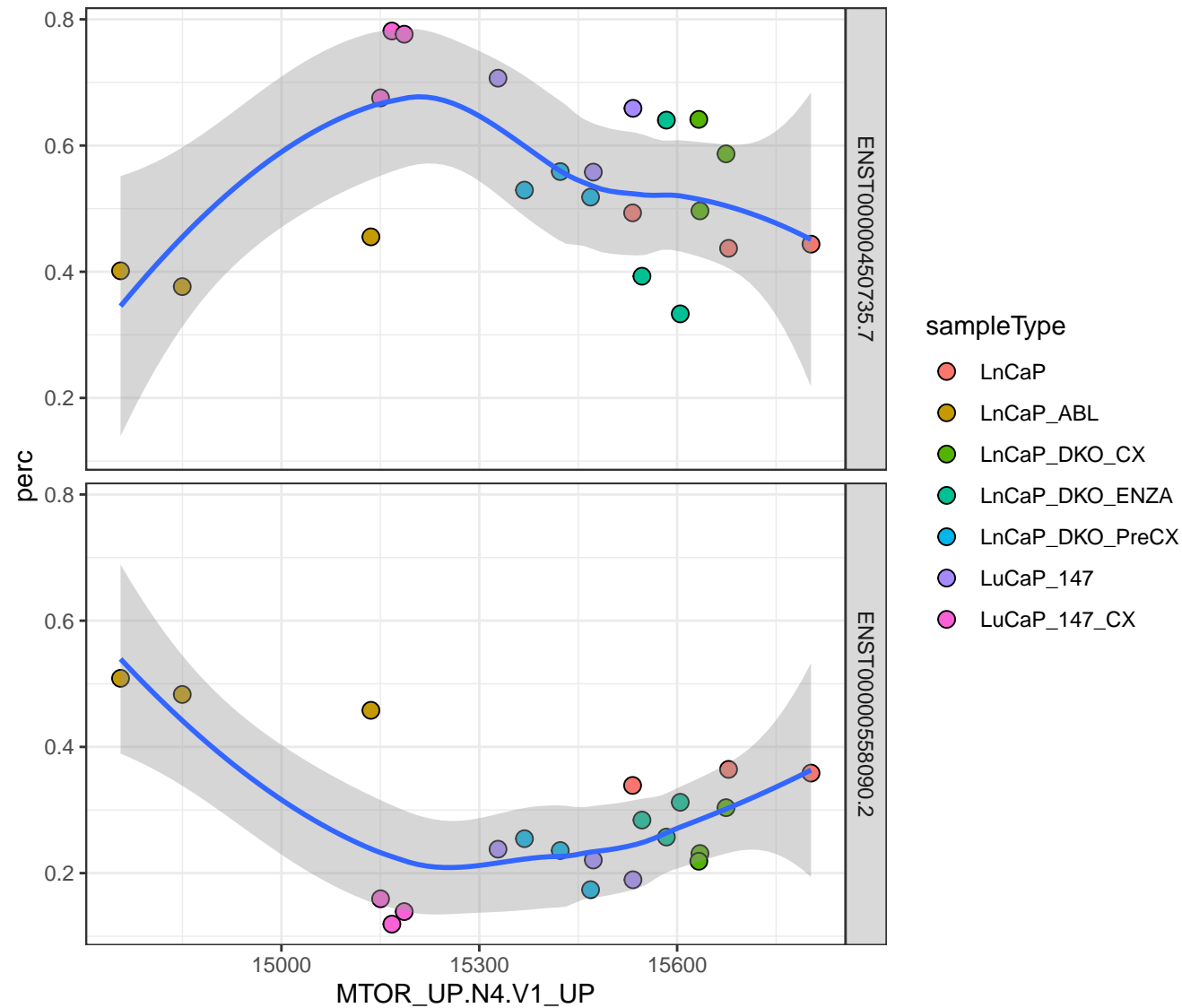
PDX\_longitudinal

Gene = HOMER2

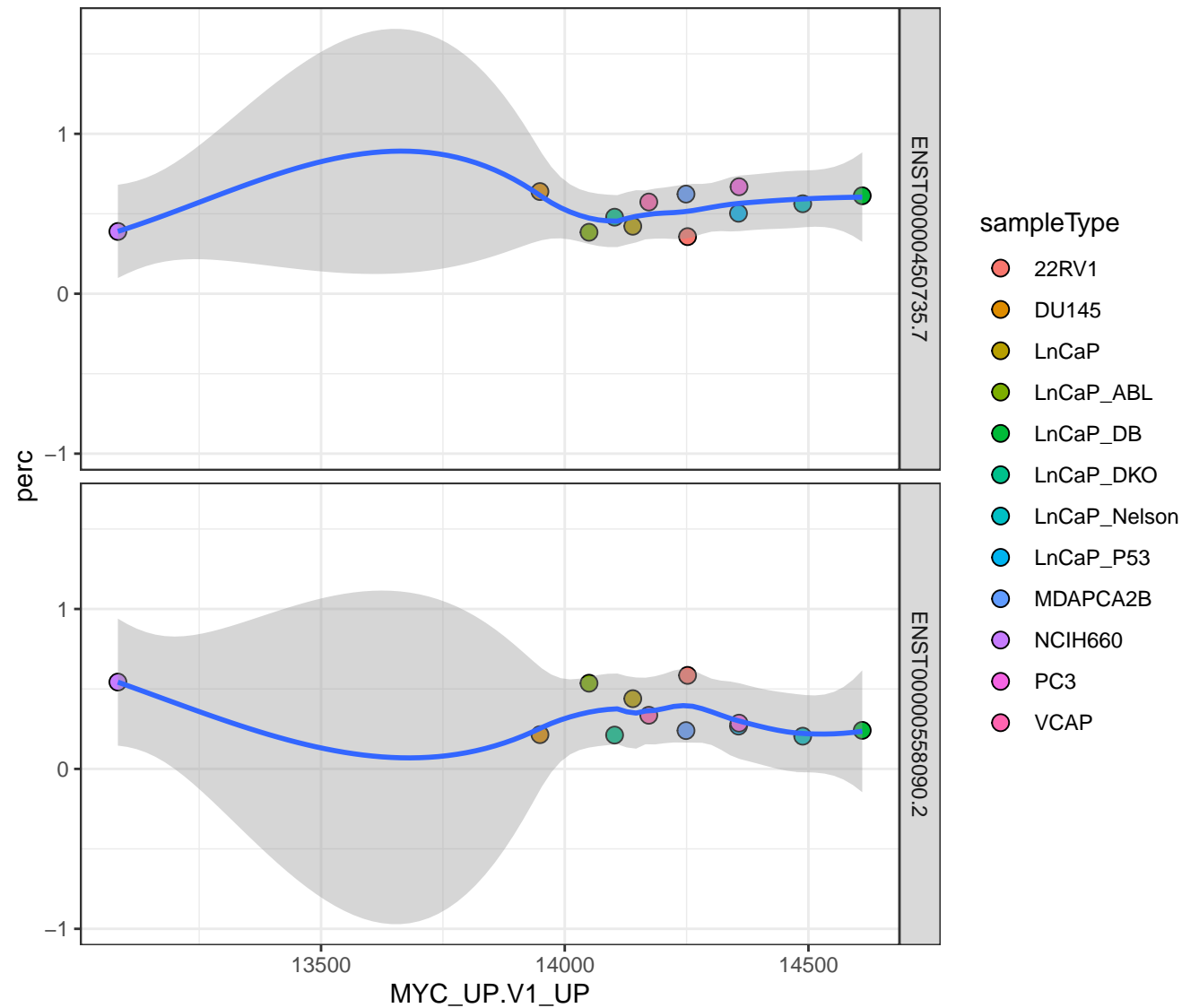
Target = MTOR\_UP.N4.V1\_UP

ENST00000450735.7 (up) =  $-0.0390447313862864$

ENST00000558090.2 (down) =  $-0.303129590005524$

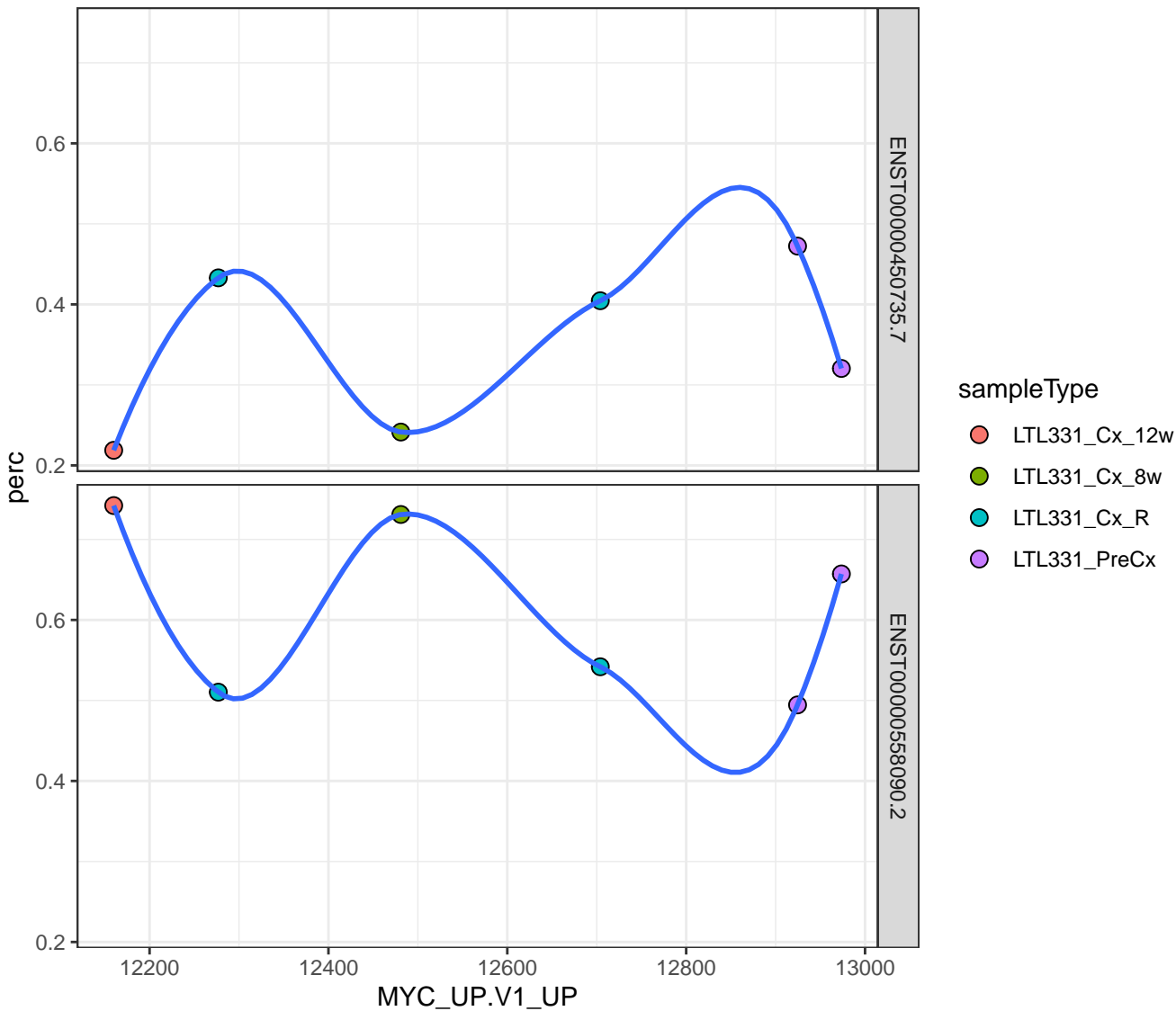


CellLine  
 Gene = HOMER2  
 Target = MYC\_UP.V1\_UP  
 ENST00000450735.7 (up) = 0.453369403736792  
 ENST00000558090.2 (down) = -0.506923799965652

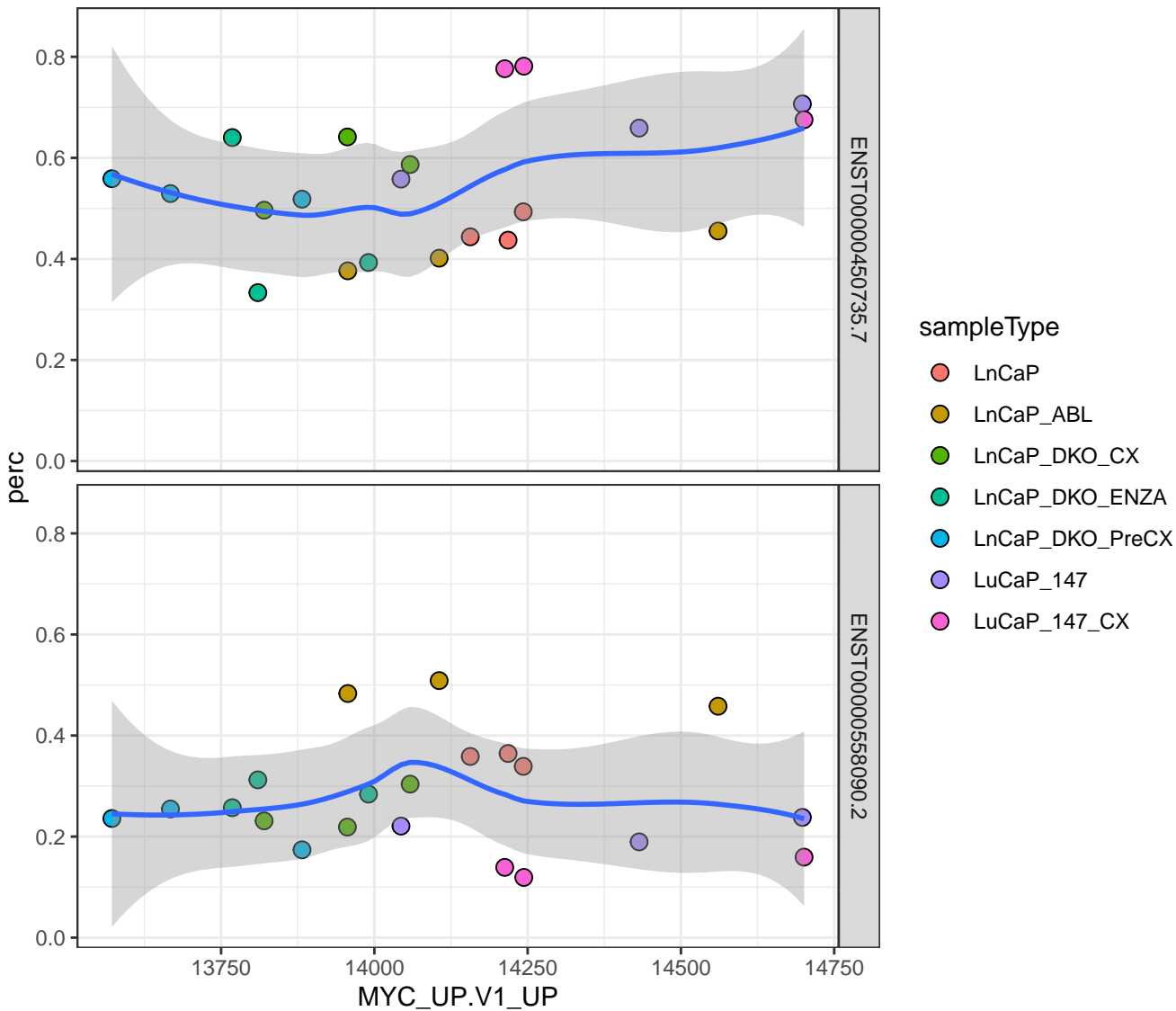




LTL\_longitudinal  
Gene = HOMER2  
Target = MYC\_UP.V1\_UP  
ENST00000450735.7 (up) = 0.443360366067314  
ENST00000558090.2 (down) = -0.357055750883095



PDX\_longitudinal  
Gene = HOMER2  
Target = MYC\_UP.V1\_UP  
ENST00000450735.7 (up) = 0.341722354119829  
ENST00000558090.2 (down) = -0.0140397849031506



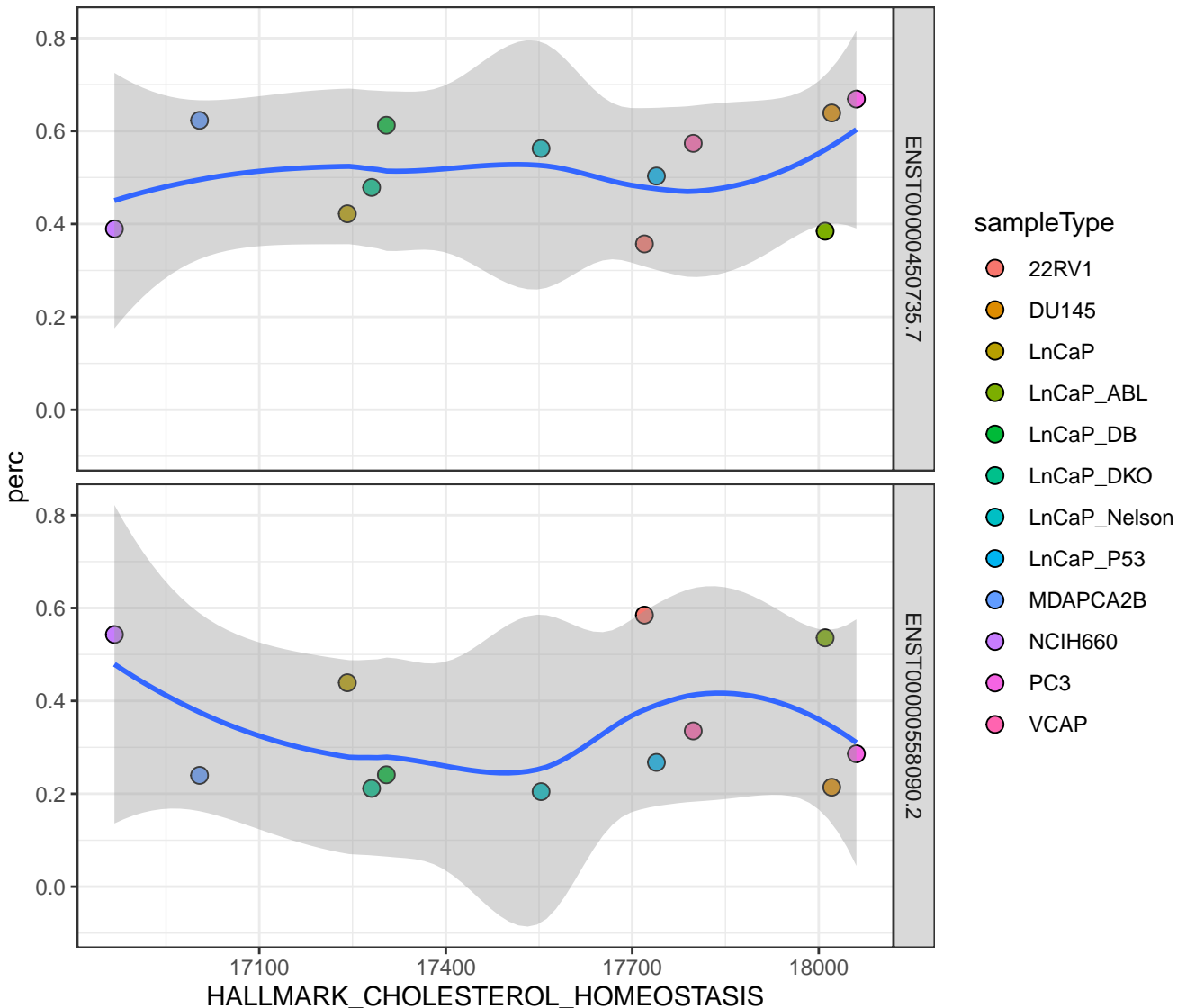
CellLine

Gene = HOMER2

Target = HALLMARK\_CHOLESTEROL\_HOMEOSTASIS

ENST00000450735.7 (up) = 0.210900859217546

ENST00000558090.2 (down) = -0.0403497134320687



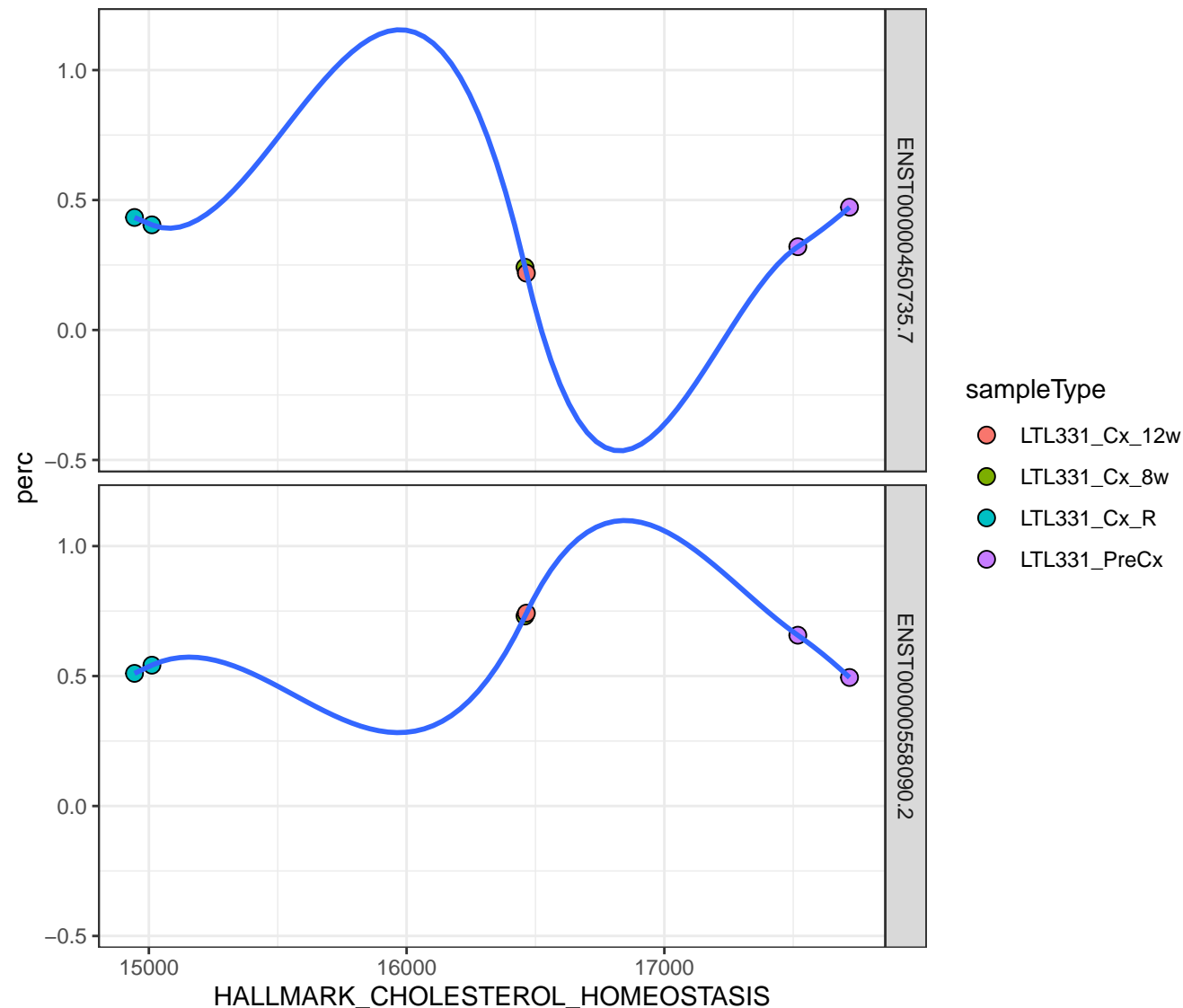
LTL\_longitudinal

Gene = HOMER2

Target = HALLMARK\_CHOLESTEROL\_HOMEOSTASIS

ENST00000450735.7 (up) =  $-0.134831919440621$

ENST00000558090.2 (down) =  $0.237011032672929$



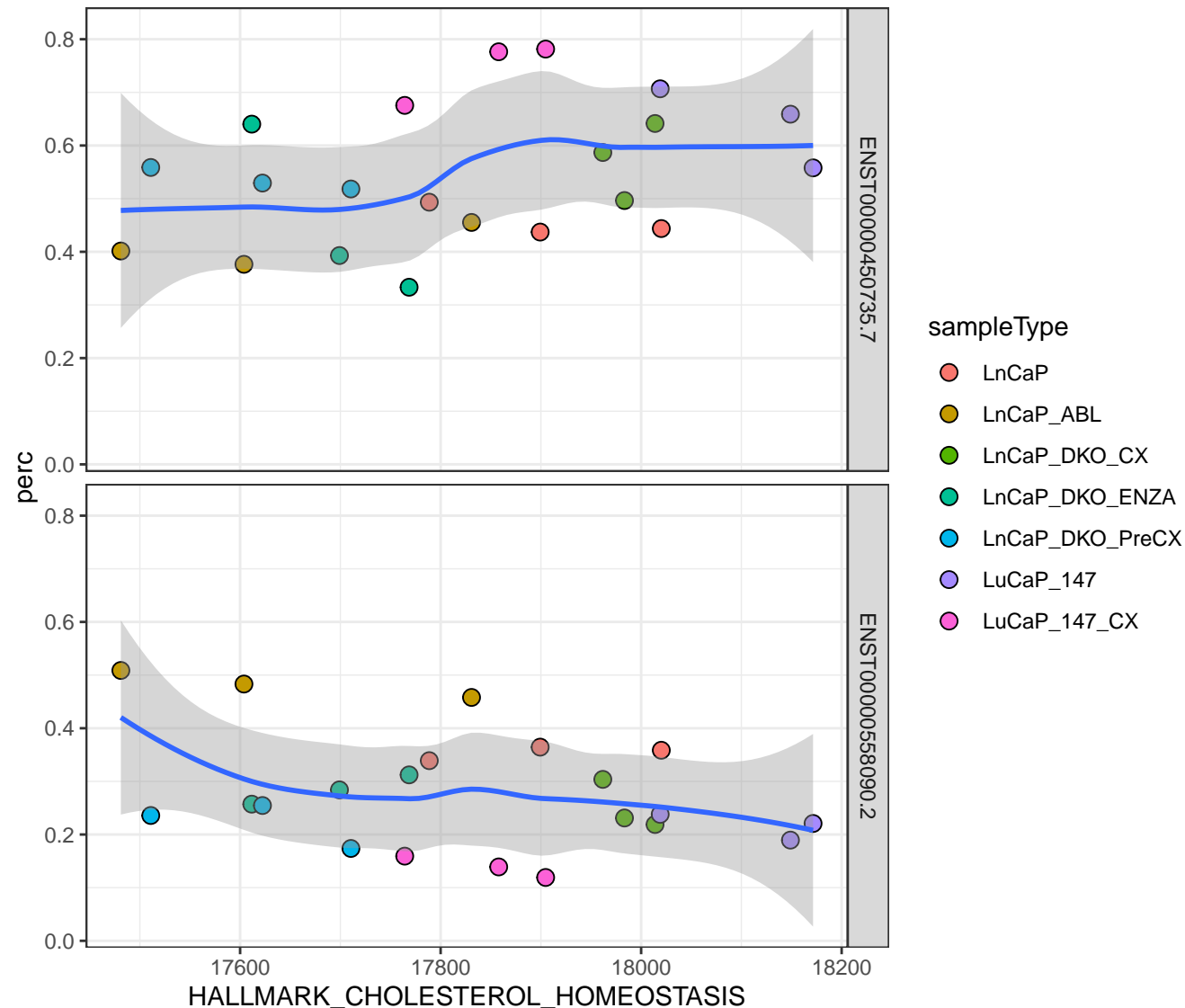
PDX\_longitudinal

Gene = HOMER2

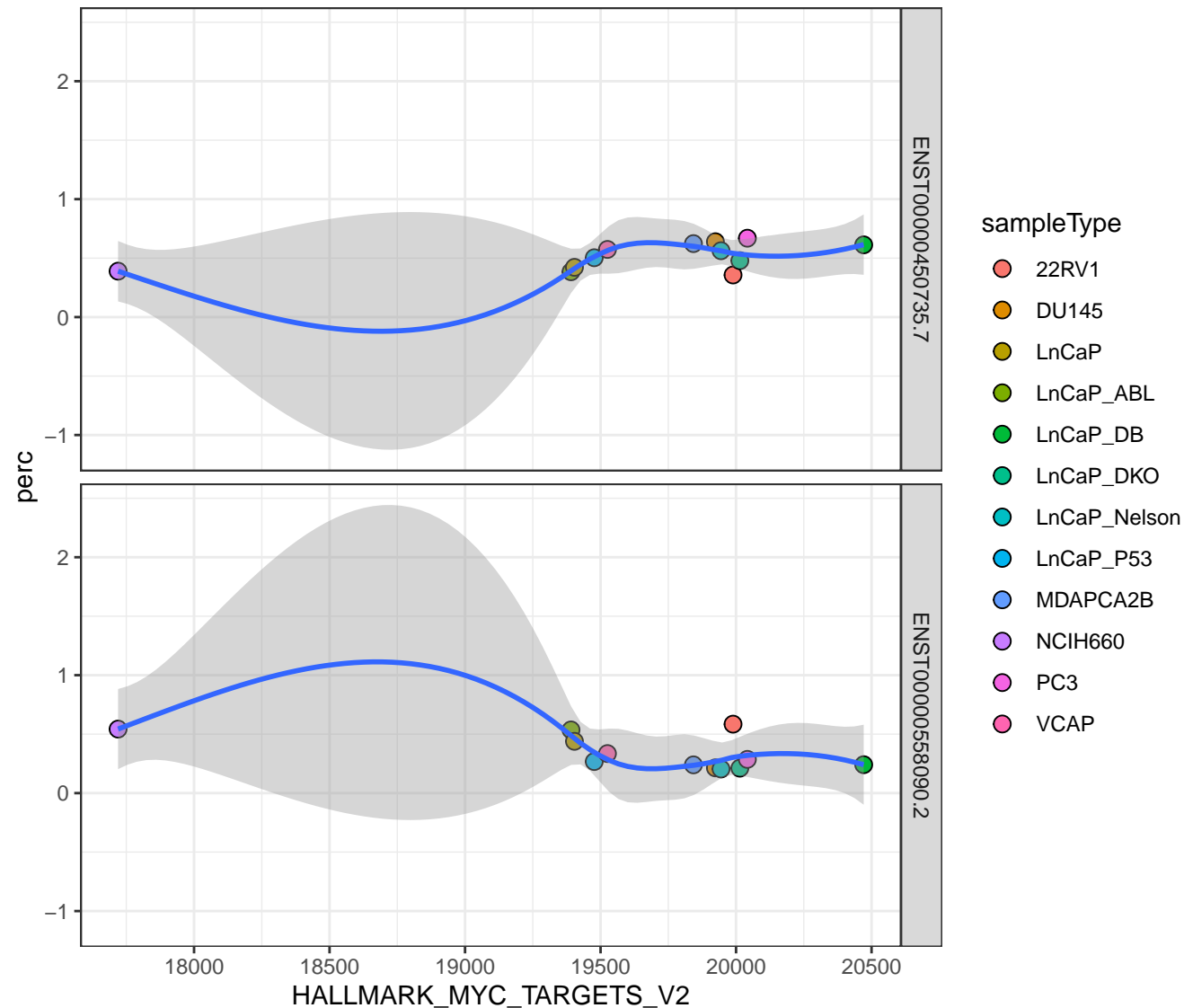
Target = HALLMARK\_CHOLESTEROL\_HOMEOSTASIS

ENST00000450735.7 (up) = 0.350313144659672

ENST00000558090.2 (down) = -0.355629920790696



CellLine  
 Gene = HOMER2  
 Target = HALLMARK\_MYC\_TARGETS\_V2  
 ENST00000450735.7 (up) = 0.524898149789131  
 ENST00000558090.2 (down) = -0.565094092499399



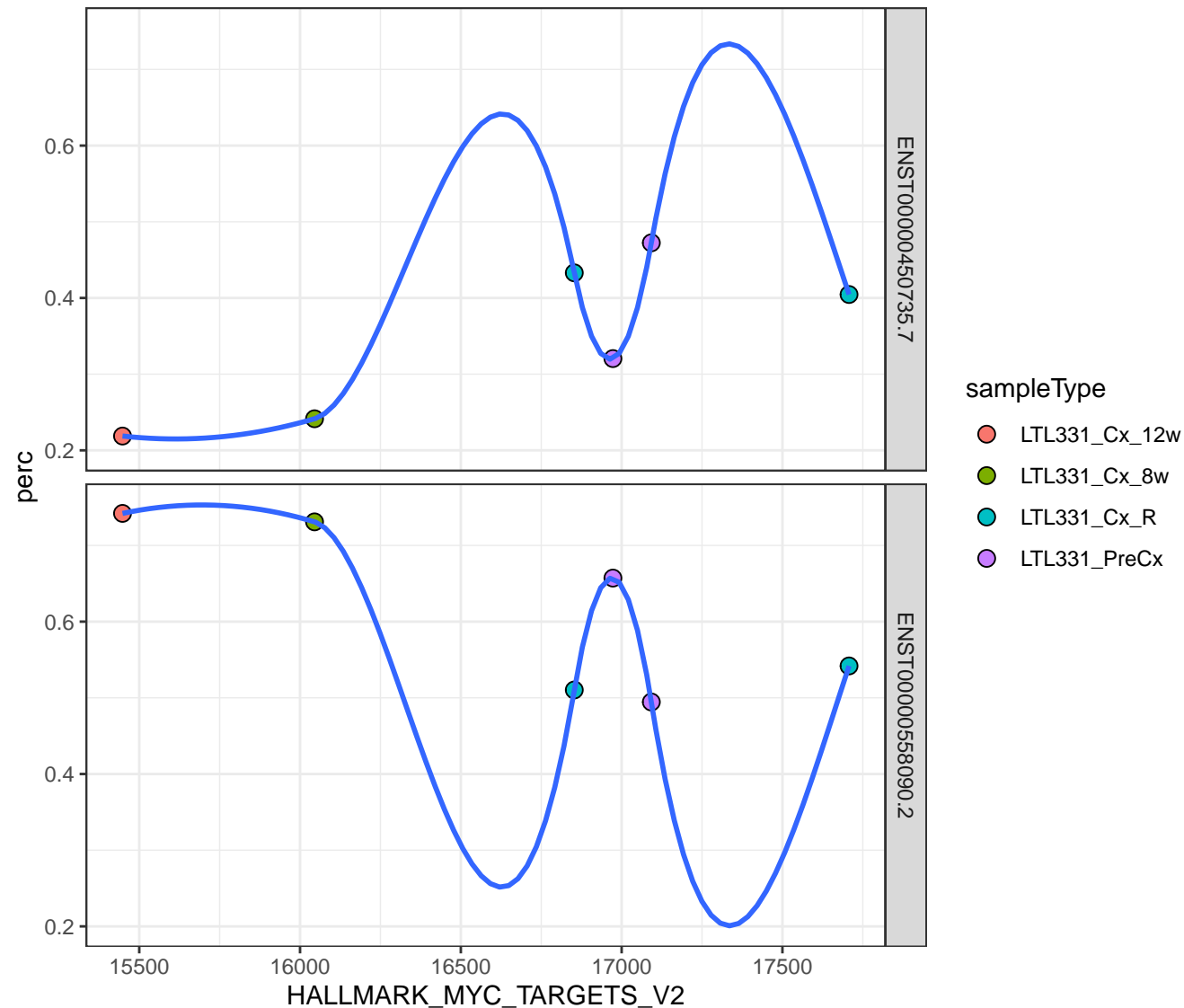
LTL\_longitudinal

Gene = HOMER2

Target = HALLMARK\_MYC\_TARGETS\_V2

ENST00000450735.7 (up) = 0.811659293976299

ENST00000558090.2 (down) = -0.800914777474637



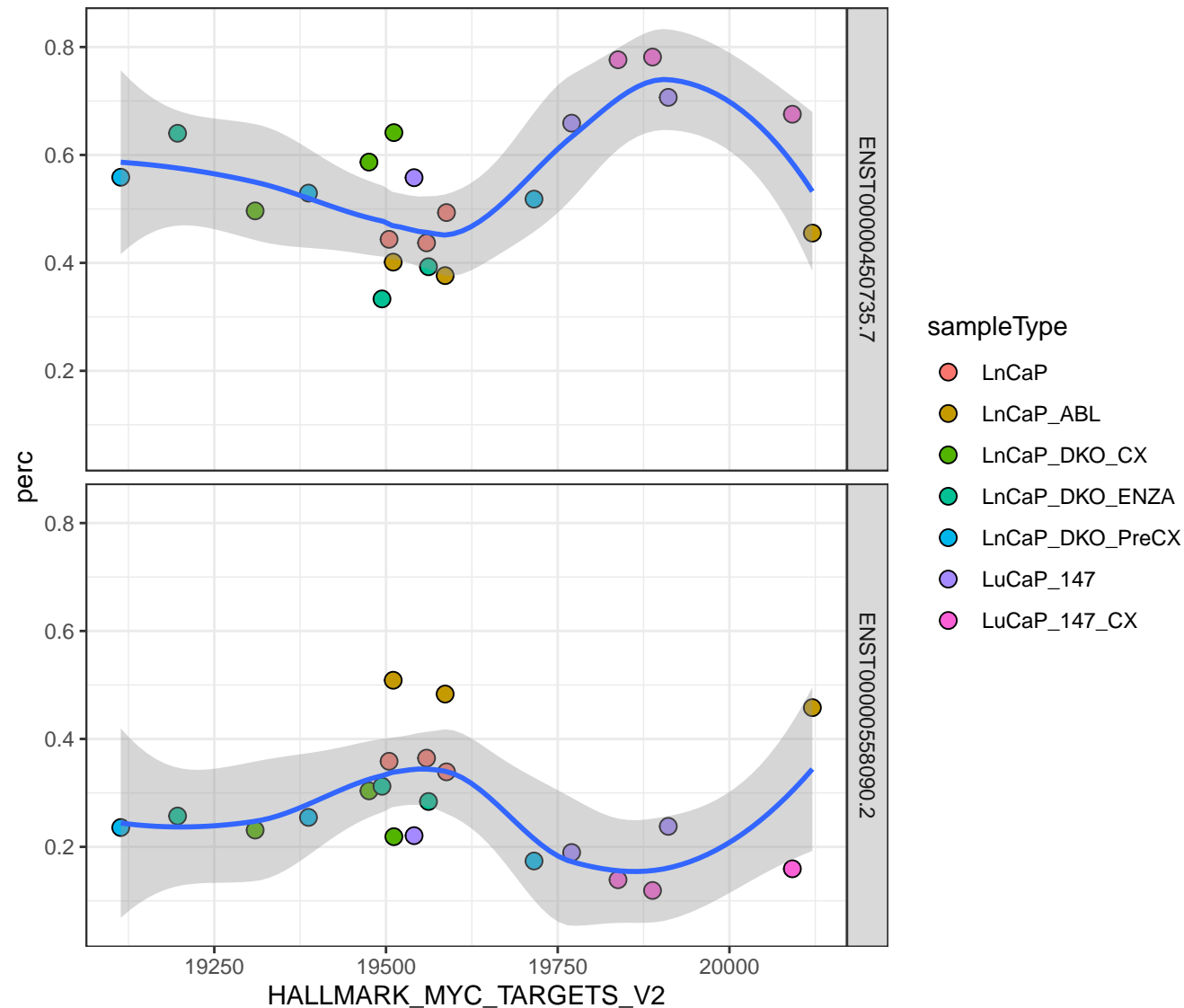
PDX\_longitudinal

Gene = HOMER2

Target = HALLMARK\_MYC\_TARGETS\_V2

ENST00000450735.7 (up) = 0.32627699964548

ENST00000558090.2 (down) = -0.121135879762163





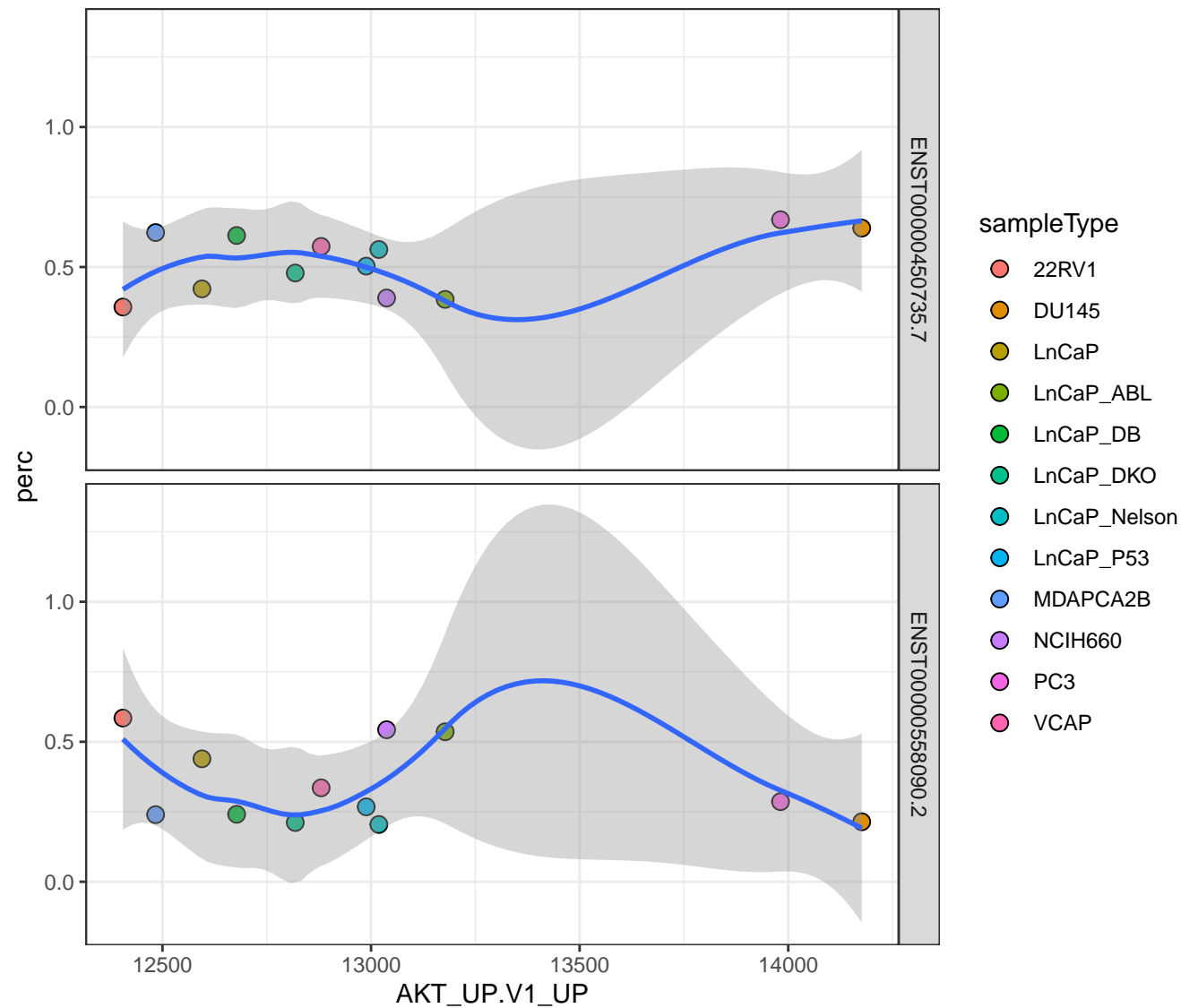
CellLine

Gene = HOMER2

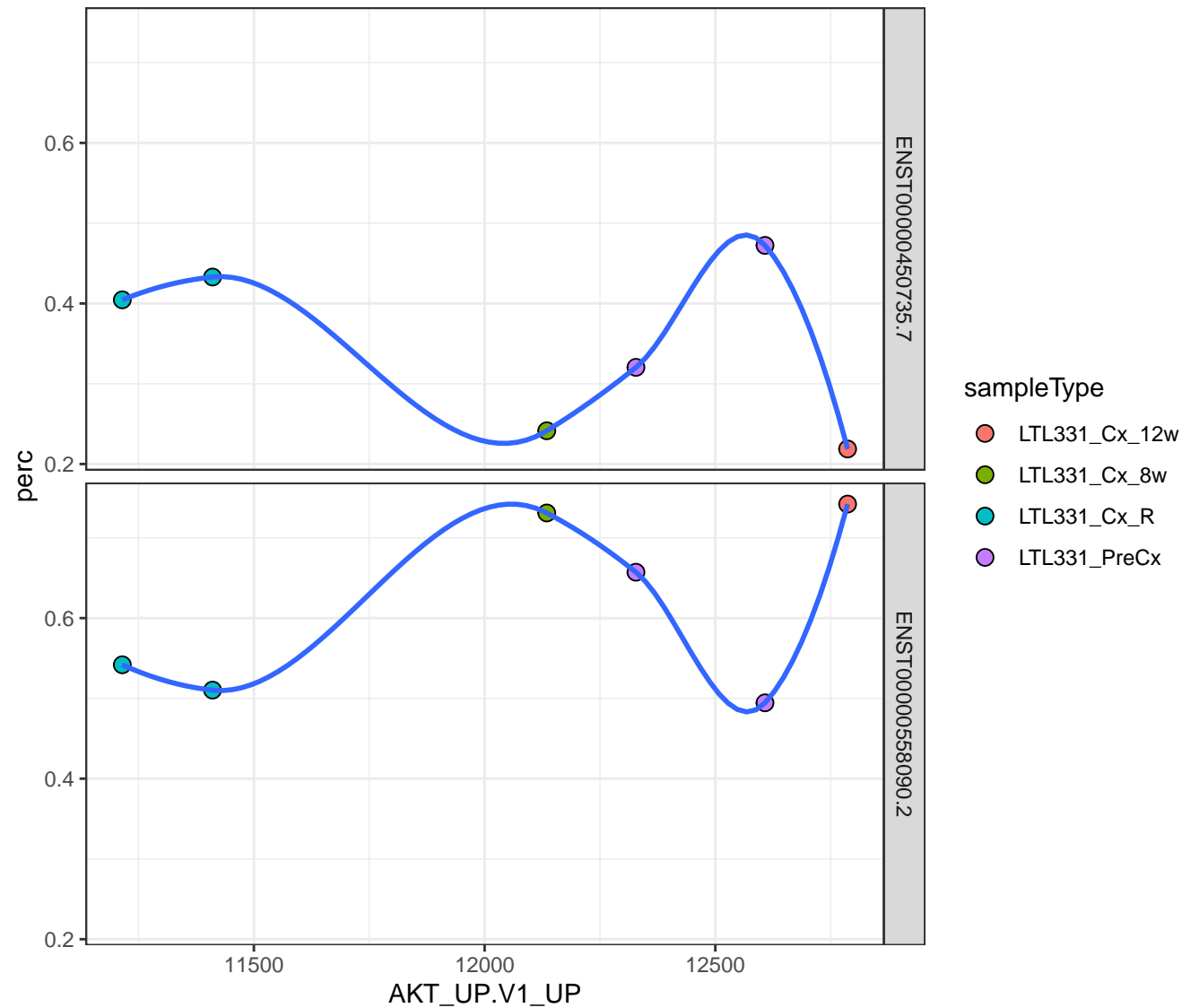
Target = AKT\_UP.V1\_UP

ENST00000450735.7 (up) = 0.470886390198532

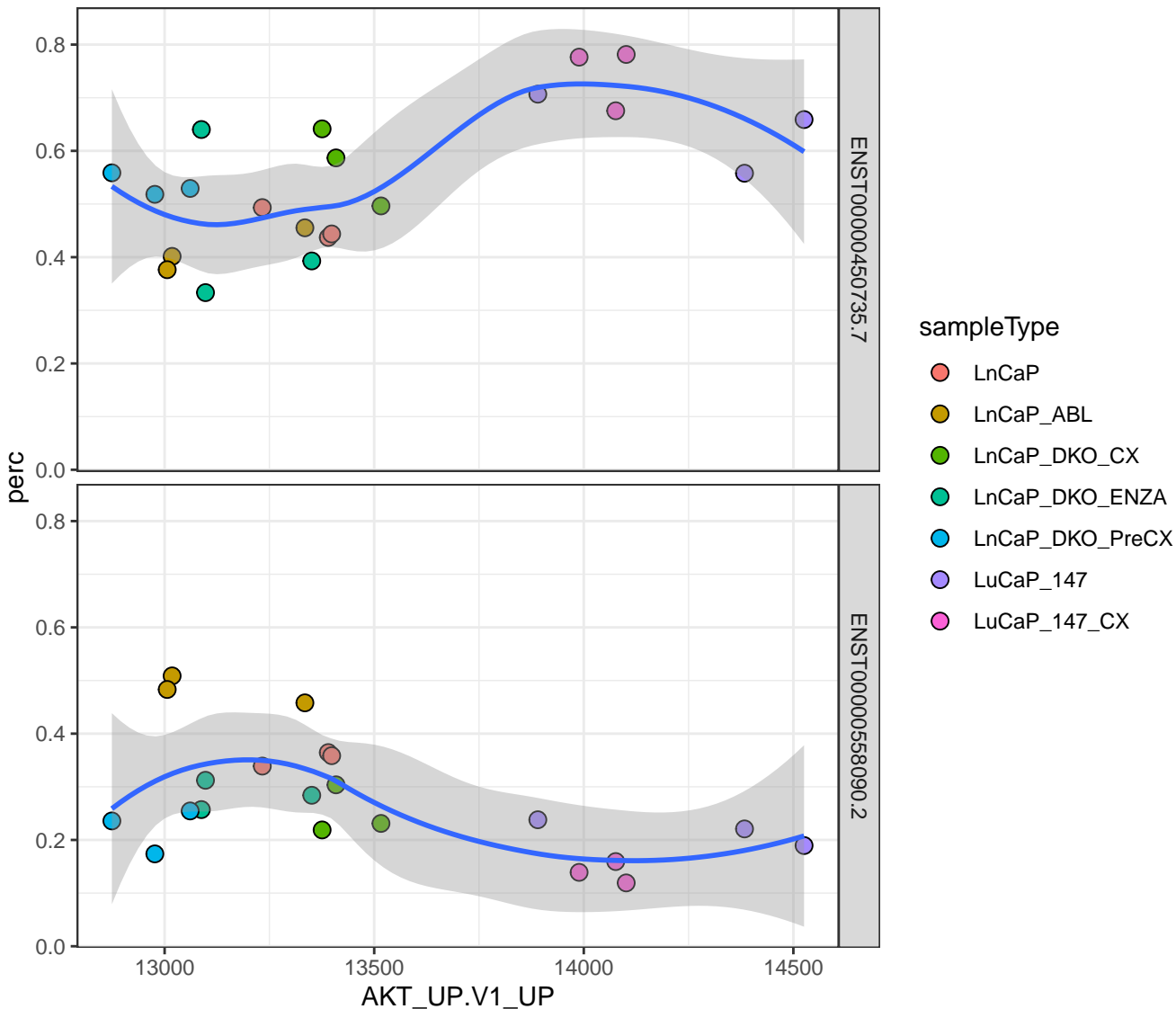
ENST00000558090.2 (down) = -0.274937244422086



LTL\_longitudinal  
Gene = HOMER2  
Target = AKT\_UP.V1\_UP  
ENST00000450735.7 (up) = -0.431708092526345  
ENST00000558090.2 (down) = 0.495399436648488



PDX\_longitudinal  
Gene = HOMER2  
Target = AKT\_UP.V1\_UP  
ENST00000450735.7 (up) = 0.622811784454386  
ENST00000558090.2 (down) = -0.541651098810455



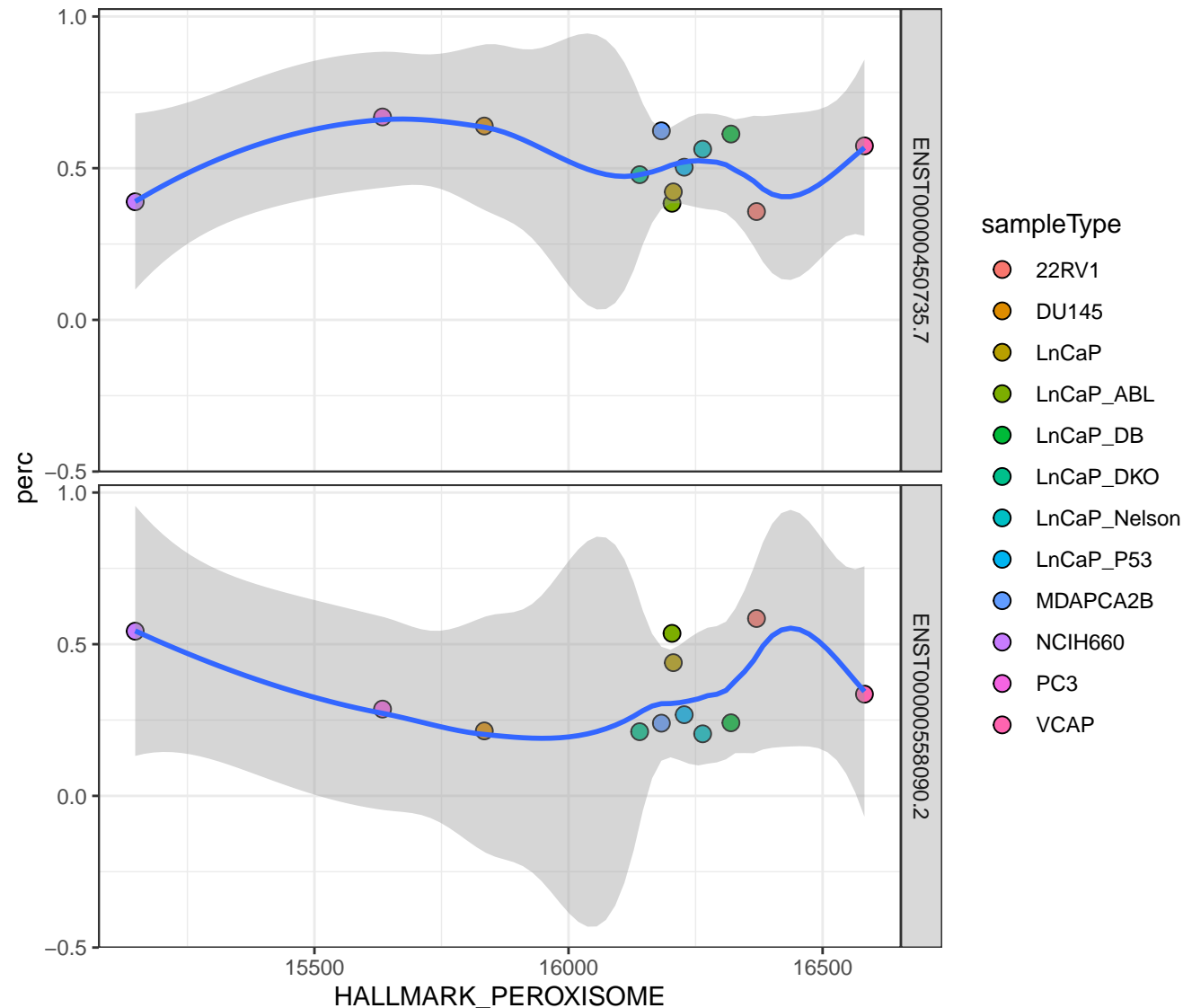
CellLine

Gene = HOMER2

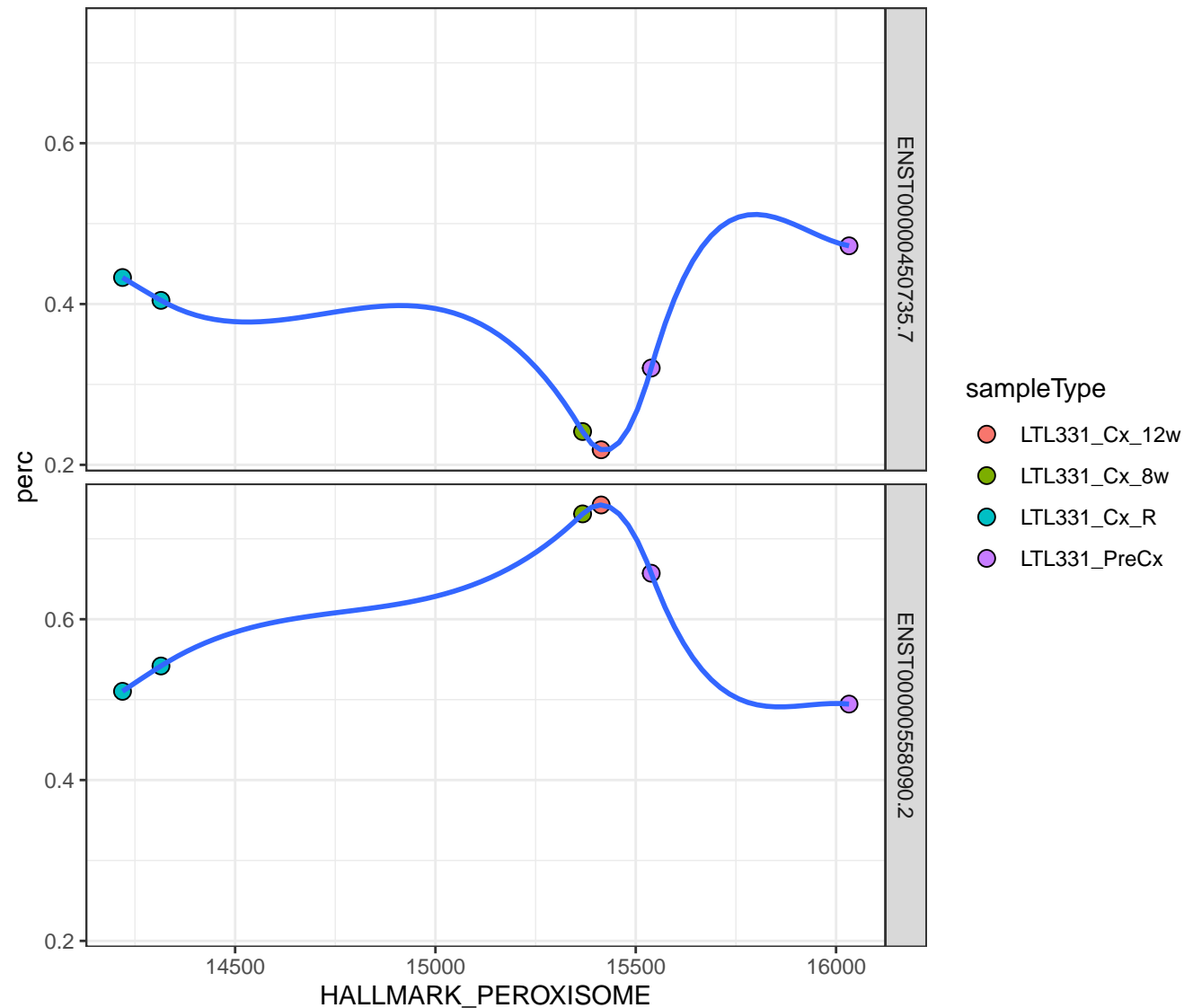
Target = HALLMARK\_PEROXISOME

ENST00000450735.7 (up) = 0.0271820533236762

ENST00000558090.2 (down) = -0.175363478609969



LTL\_longitudinal  
Gene = HOMER2  
Target = HALLMARK\_PEROXISOME  
ENST00000450735.7 (up) = -0.223704990706179  
ENST00000558090.2 (down) = 0.315940336288708



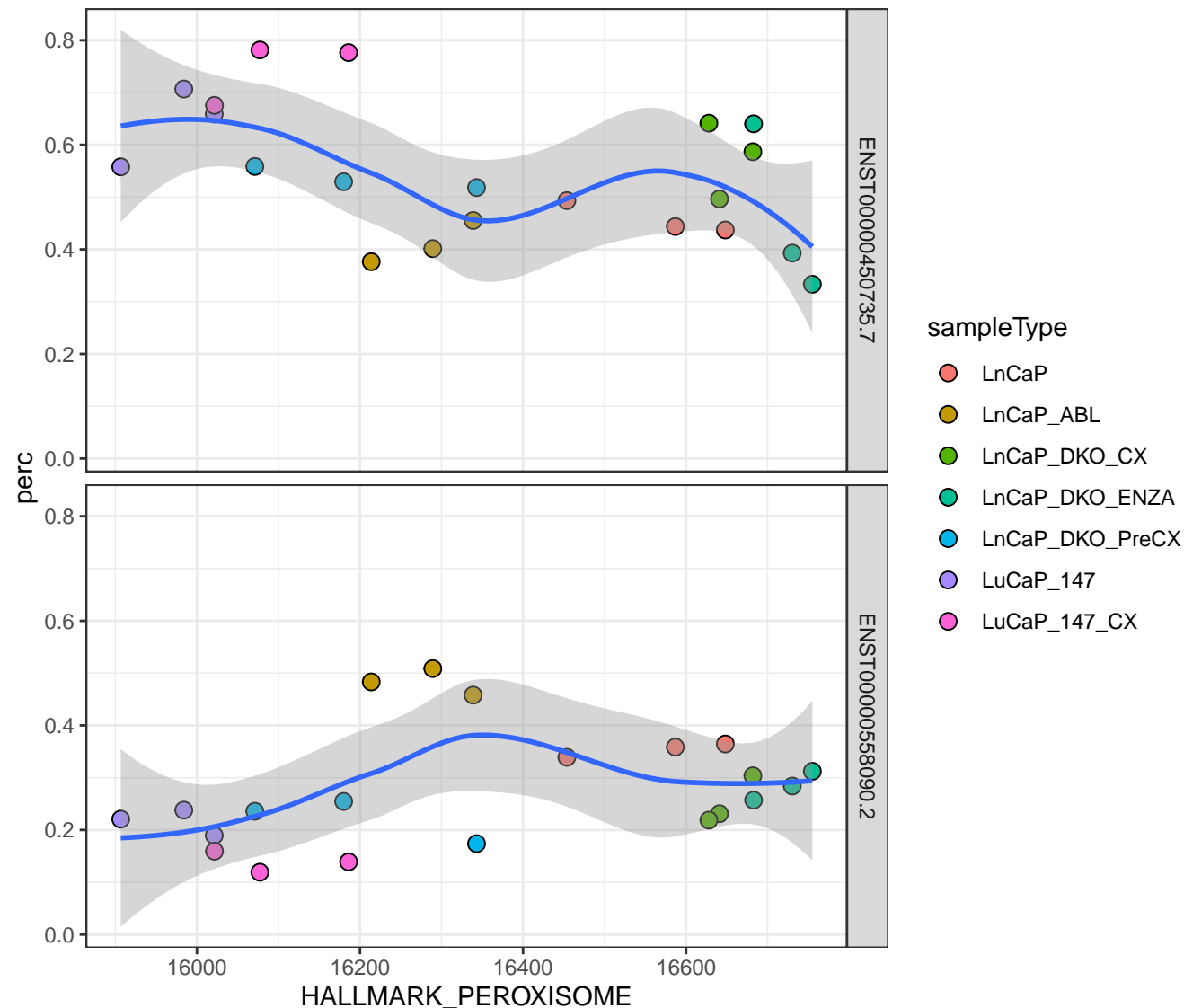
PDX\_longitudinal

Gene = HOMER2

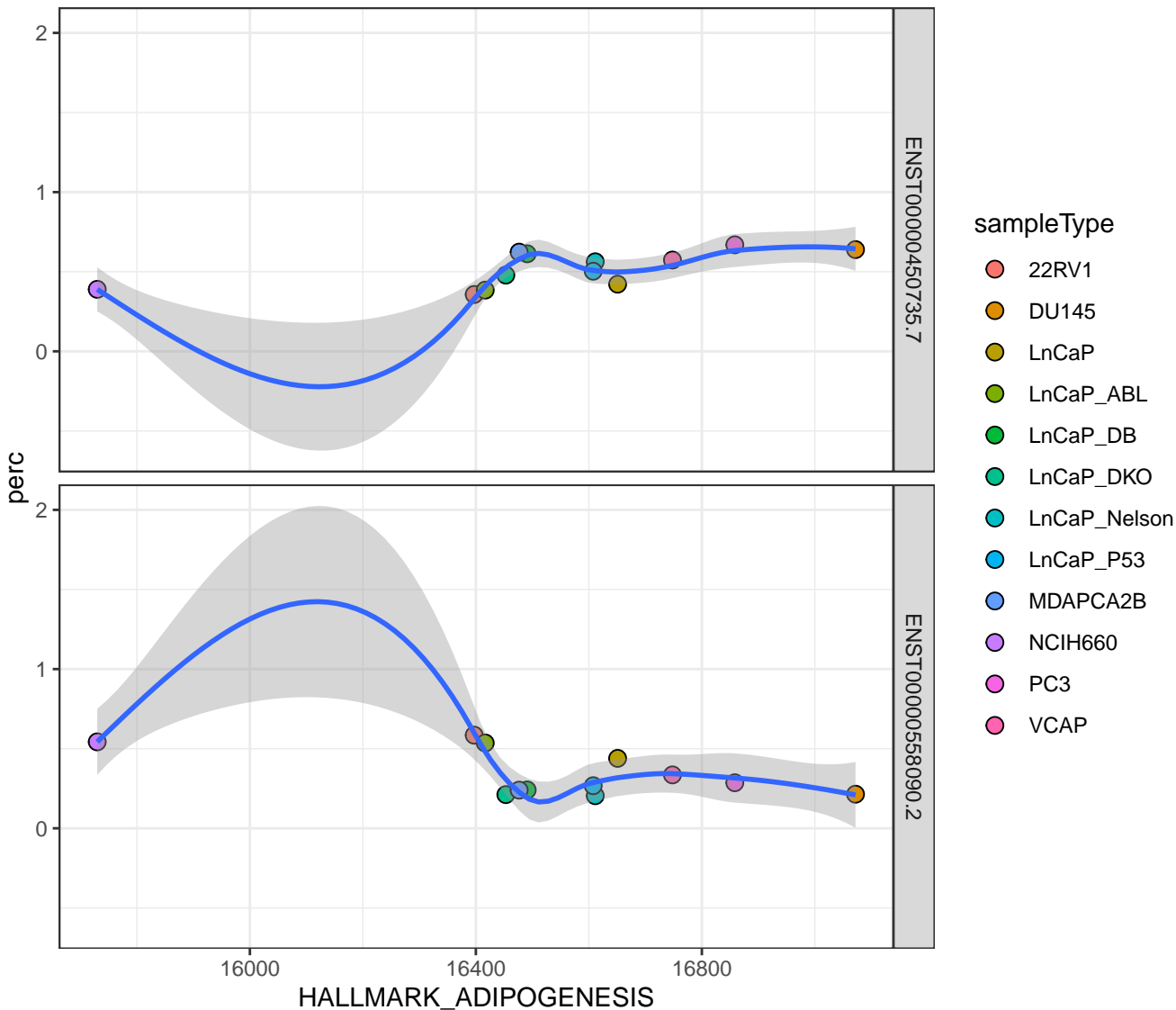
Target = HALLMARK\_PEROXISOME

ENST00000450735.7 (up) = -0.489153629086499

ENST00000558090.2 (down) = 0.298572156106937



CellLine  
Gene = HOMER2  
Target = HALLMARK\_ADIPOGENESIS  
ENST00000450735.7 (up) = 0.639235112600003  
ENST00000558090.2 (down) = -0.564887524227422



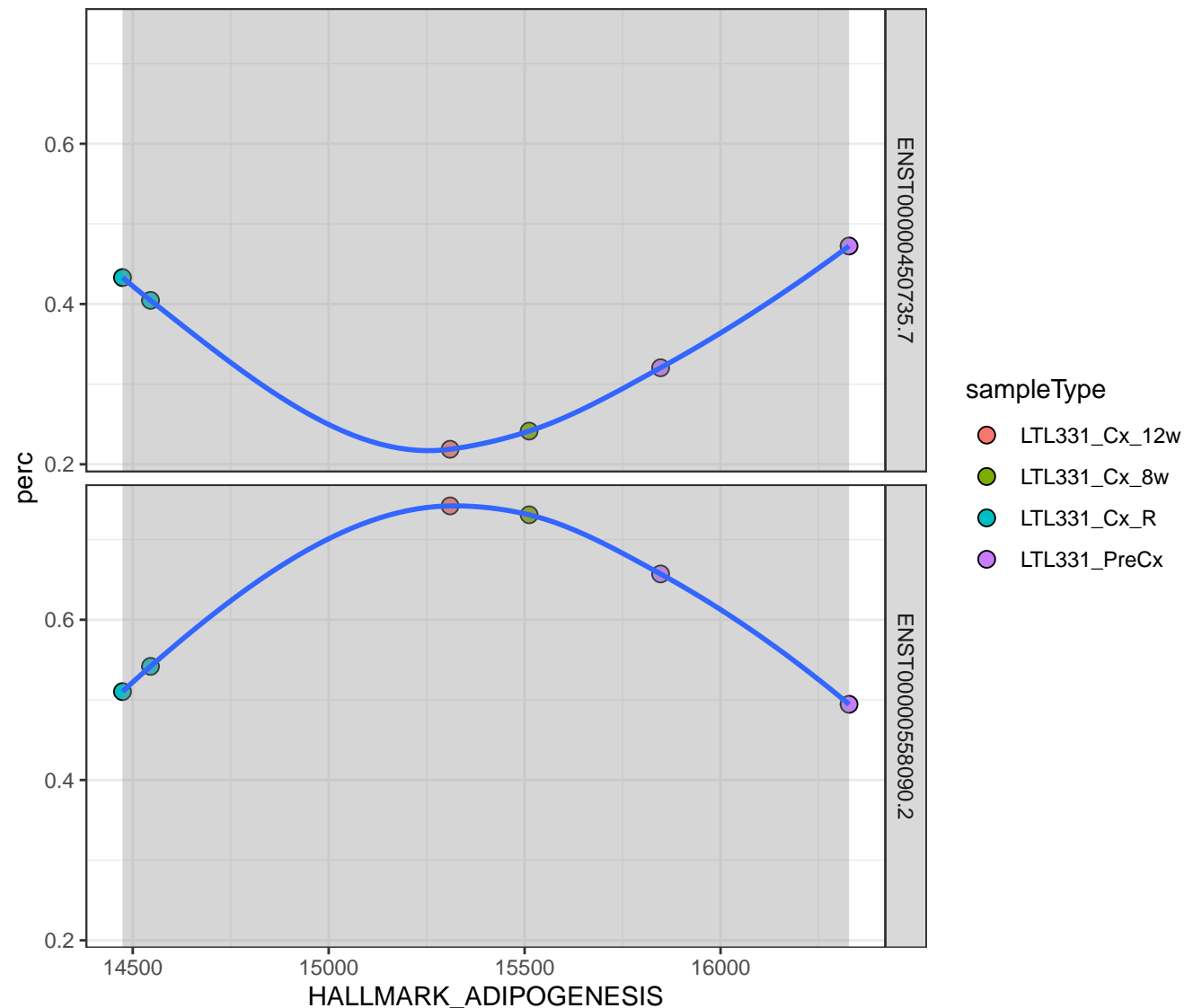
LTL\_longitudinal

Gene = HOMER2

Target = HALLMARK\_ADIPOGENESIS

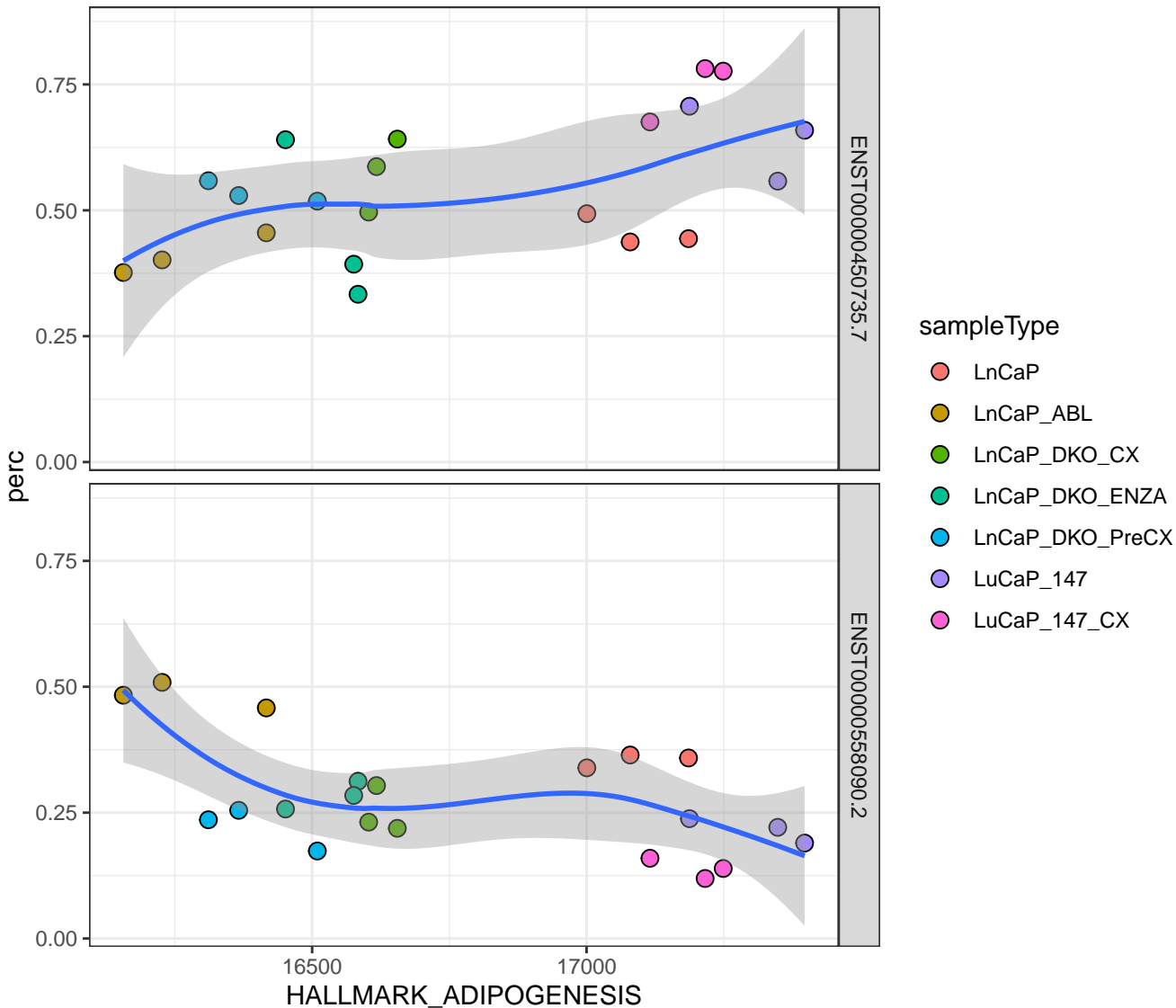
ENST00000450735.7 (up) =  $-0.0631307213629406$

ENST00000558090.2 (down) =  $0.16555005301364$

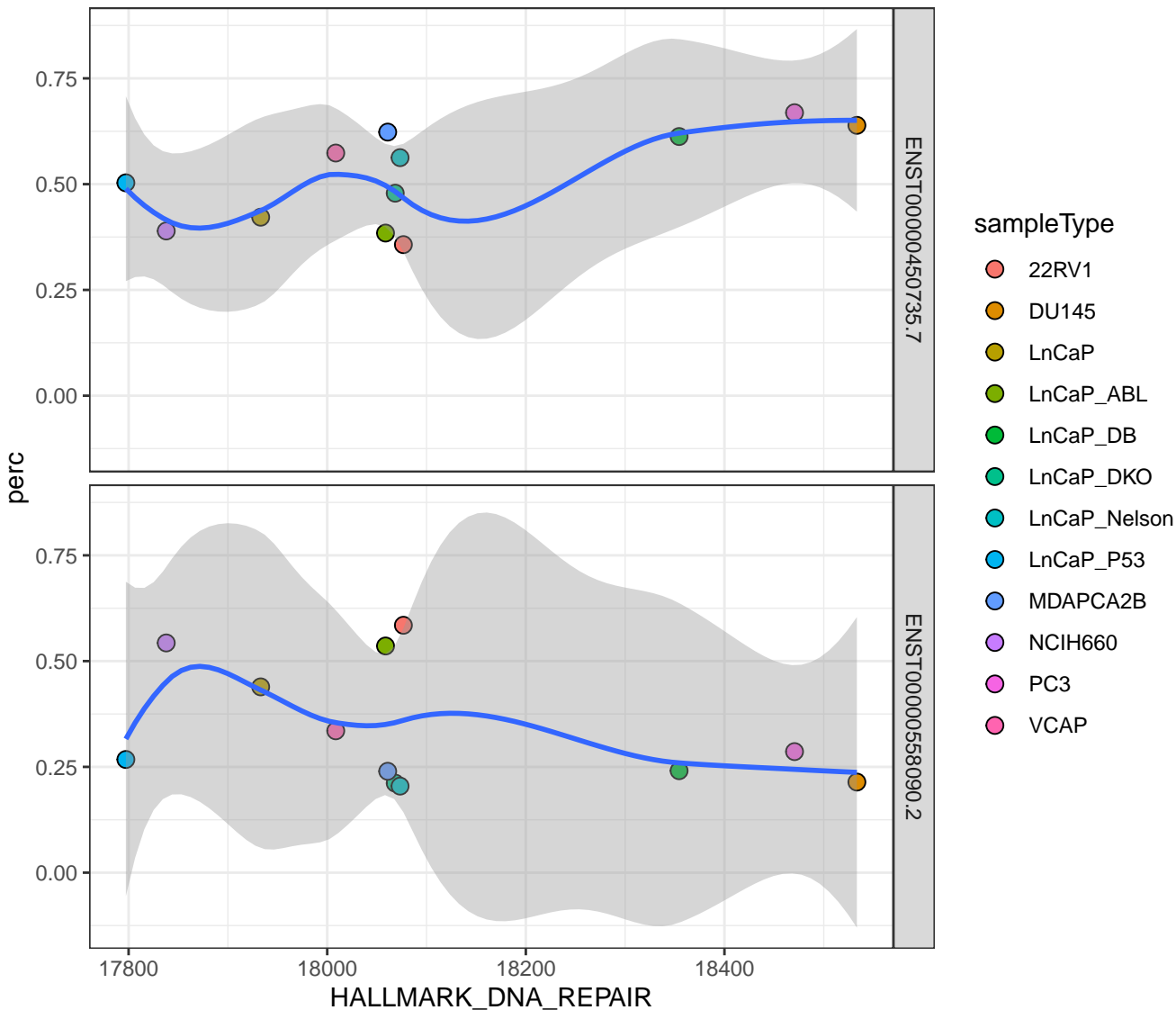




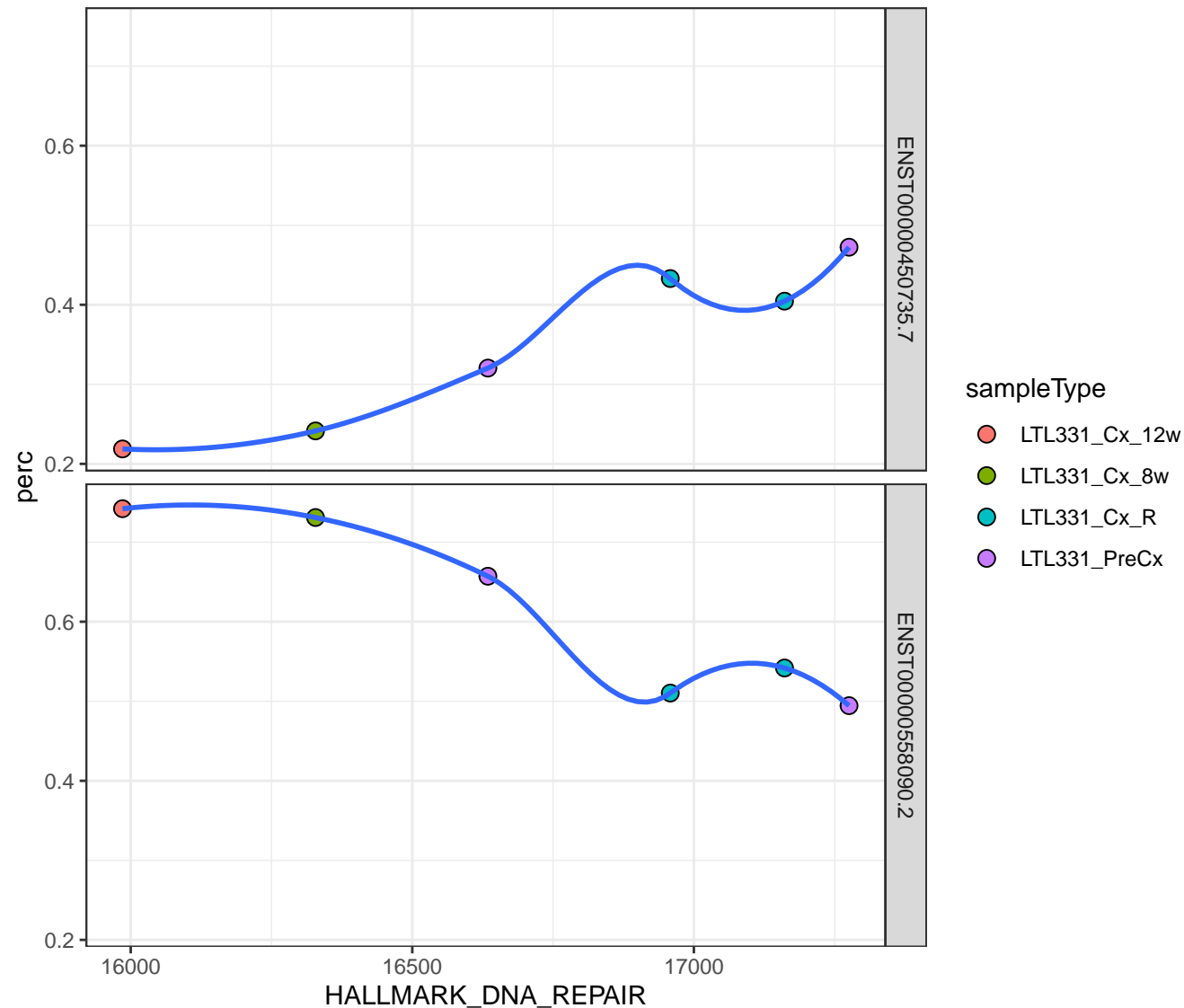
PDX\_longitudinal  
 Gene = HOMER2  
 Target = HALLMARK\_ADIPOGENESIS  
 ENST00000450735.7 (up) = 0.543127528623521  
 ENST00000558090.2 (down) = -0.52178421458146



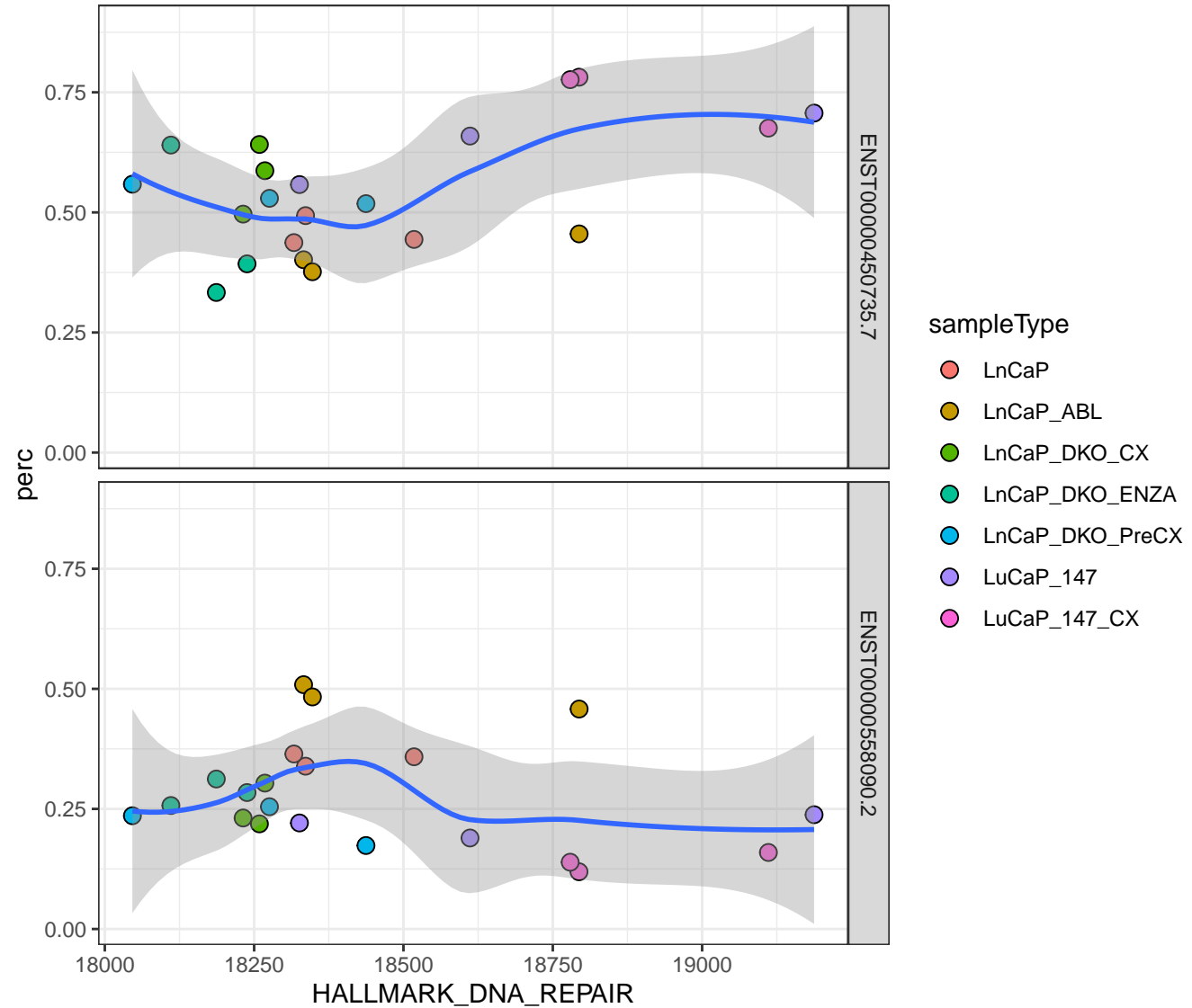
CellLine  
 Gene = HOMER2  
 Target = HALLMARK\_DNA\_REPAIR  
 ENST00000450735.7 (up) = 0.664159329735599  
 ENST00000558090.2 (down) = -0.40702011426322



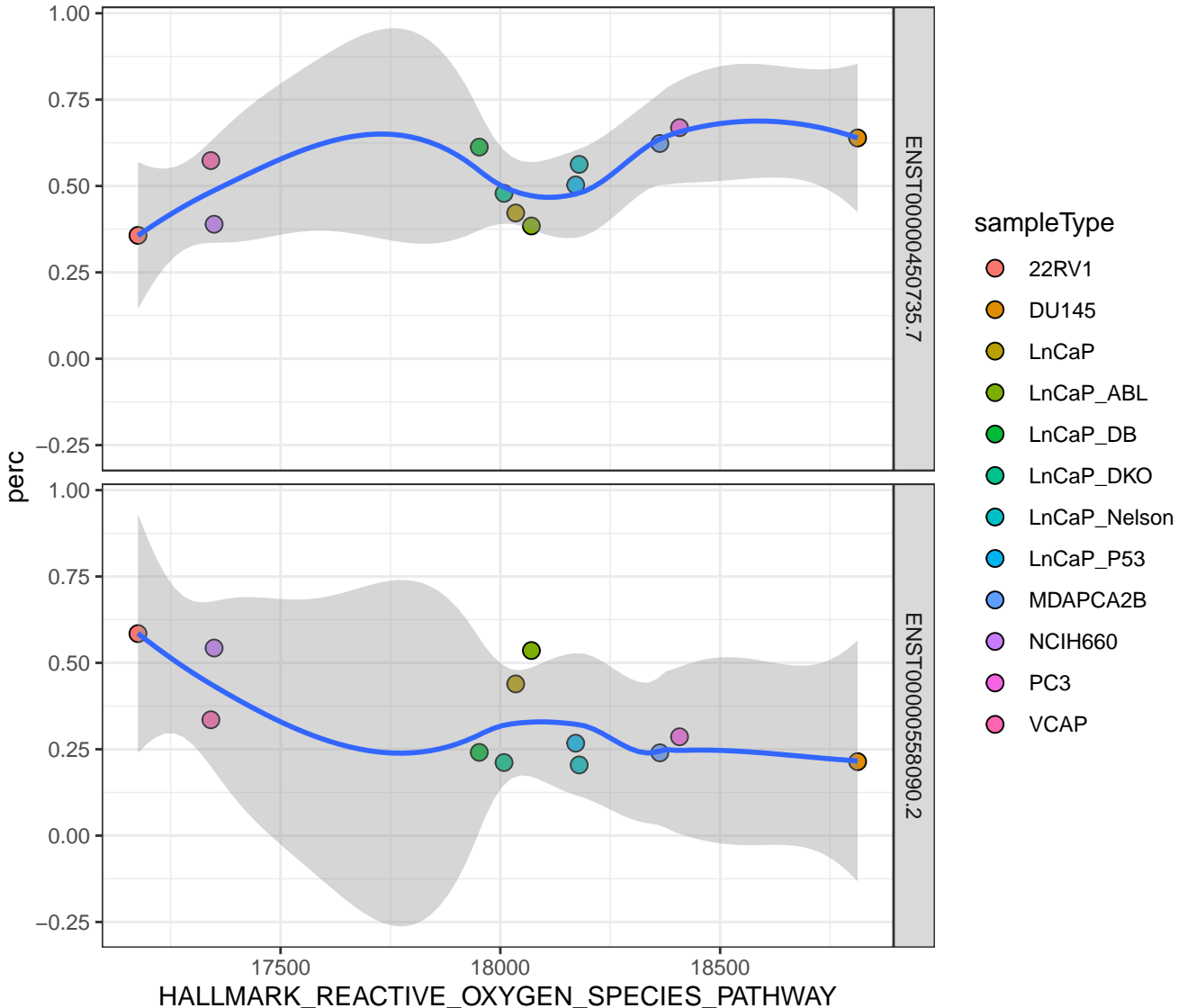
LTL\_longitudinal  
Gene = HOMER2  
Target = HALLMARK\_DNA\_REPAIR  
ENST00000450735.7 (up) = 0.964765462866716  
ENST00000558090.2 (down) = -0.951998157996848



PDX\_longitudinal  
Gene = HOMER2  
Target = HALLMARK\_DNA\_REPAIR  
ENST00000450735.7 (up) = 0.531658176576695  
ENST00000558090.2 (down) = -0.261032169532878



CellLine  
 Gene = HOMER2  
 Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY  
 ENST00000450735.7 (up) = 0.624243577329589  
 ENST00000558090.2 (down) = -0.663207824749194



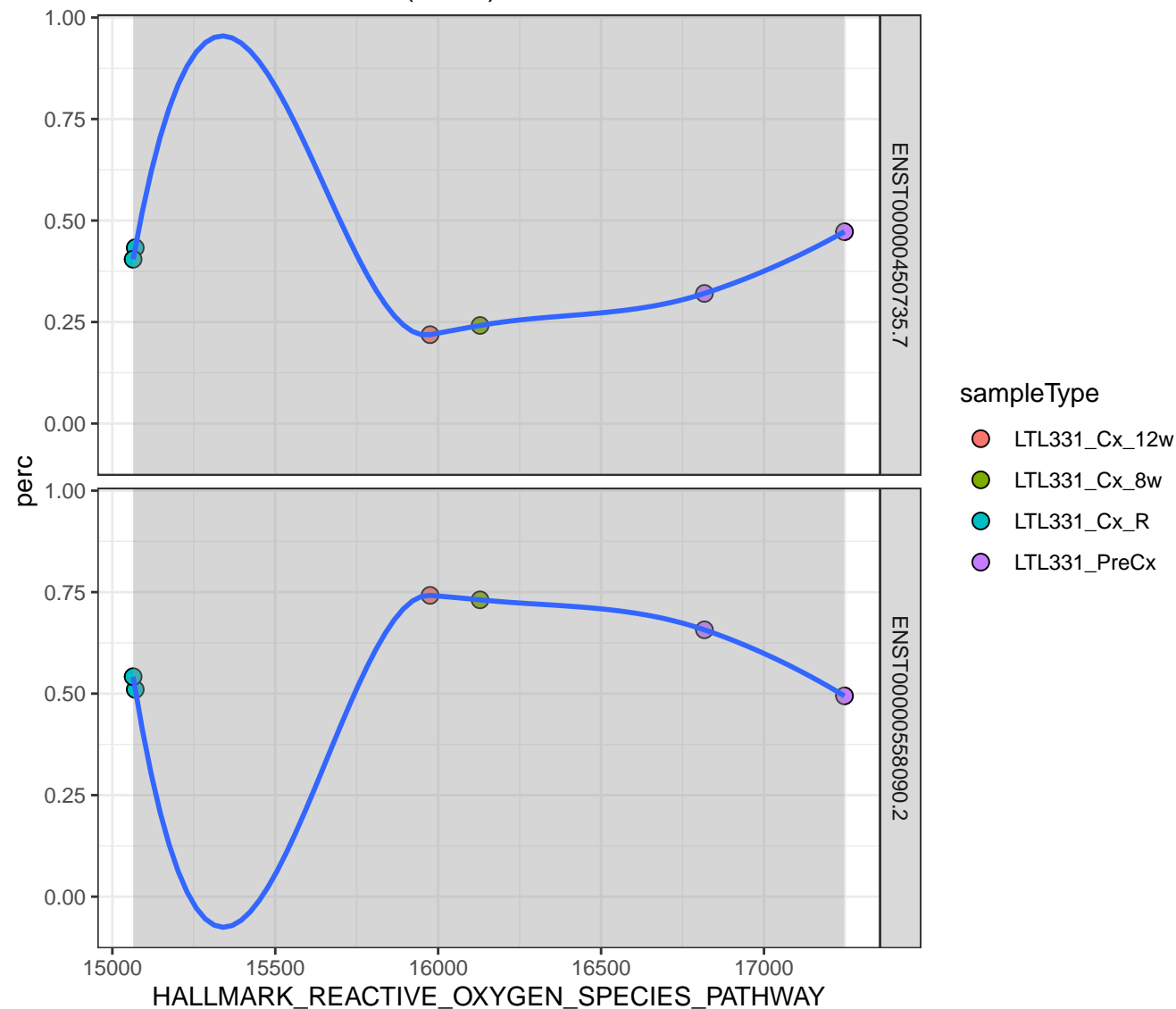
LTL\_longitudinal

Gene = HOMER2

Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY

ENST00000450735.7 (up) =  $-0.021457088053599$

ENST00000558090.2 (down) =  $0.125688173757805$



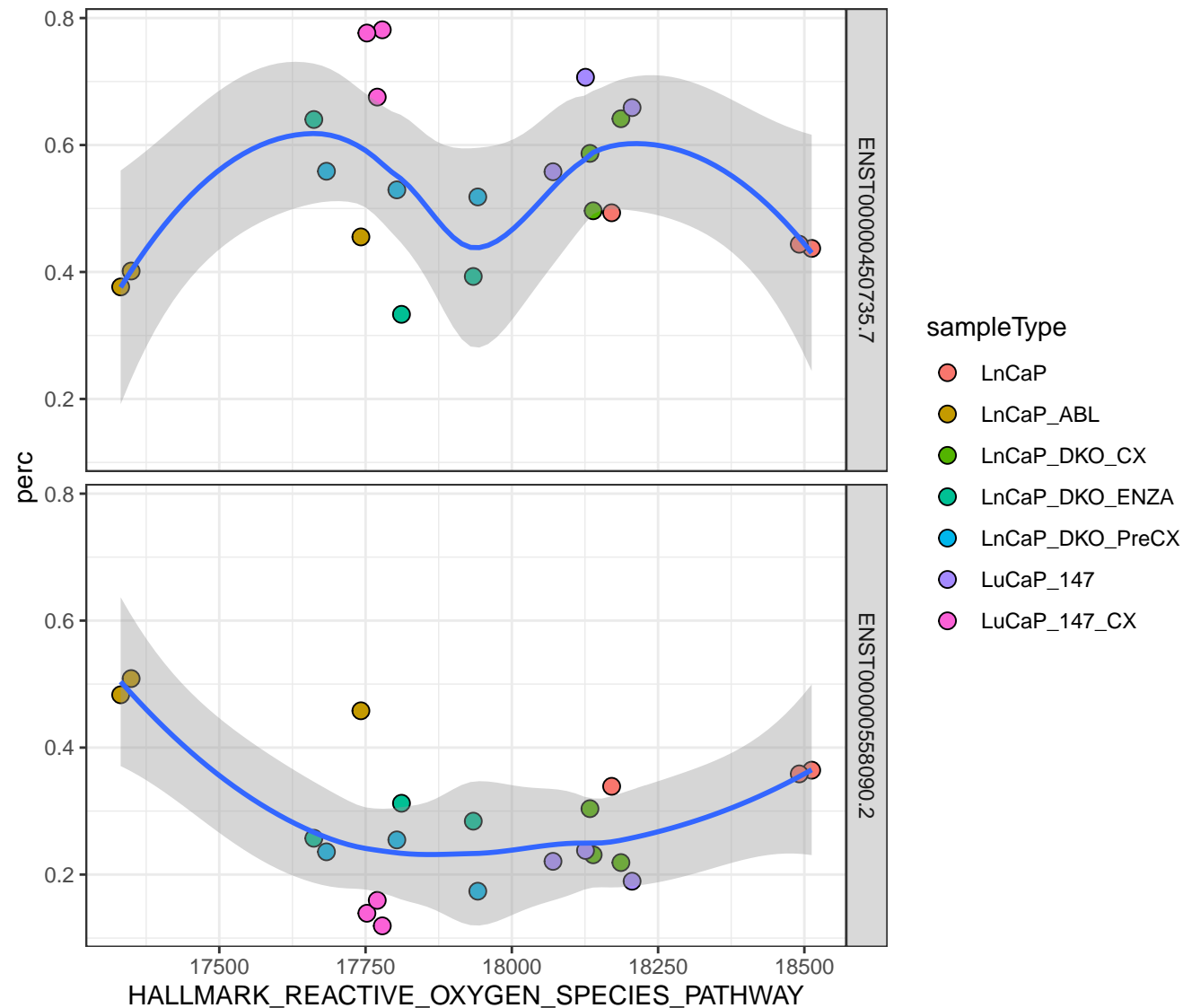
PDX\_longitudinal

Gene = HOMER2

Target = HALLMARK\_REACTIVE\_OXYGEN\_SPECIES\_PATHWAY

ENST00000450735.7 (up) = 0.0688891866952498

ENST00000558090.2 (down) = -0.232134823902512



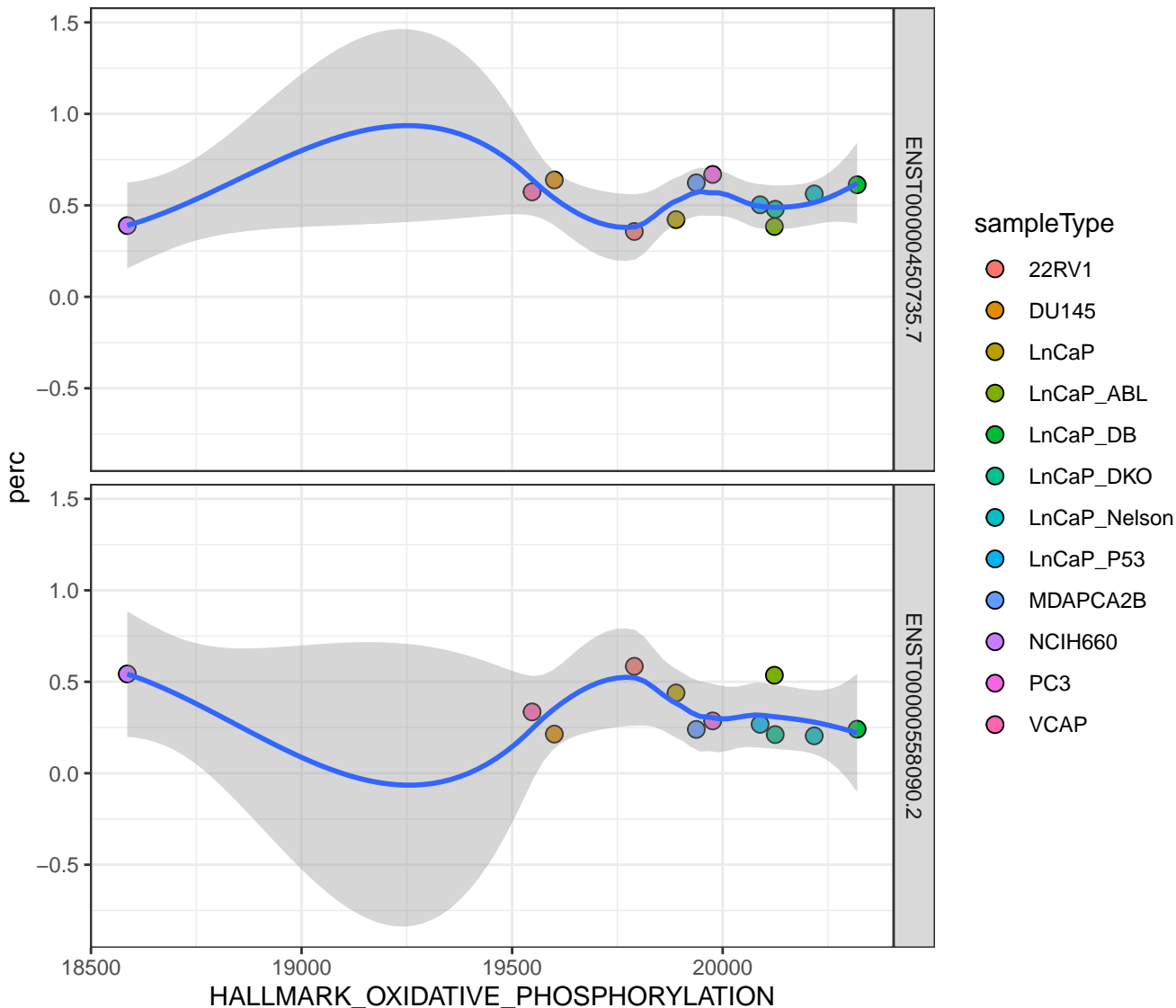
CellLine

Gene = HOMER2

Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION

ENST00000450735.7 (up) = 0.28512988554716

ENST00000558090.2 (down) = -0.47272496805665





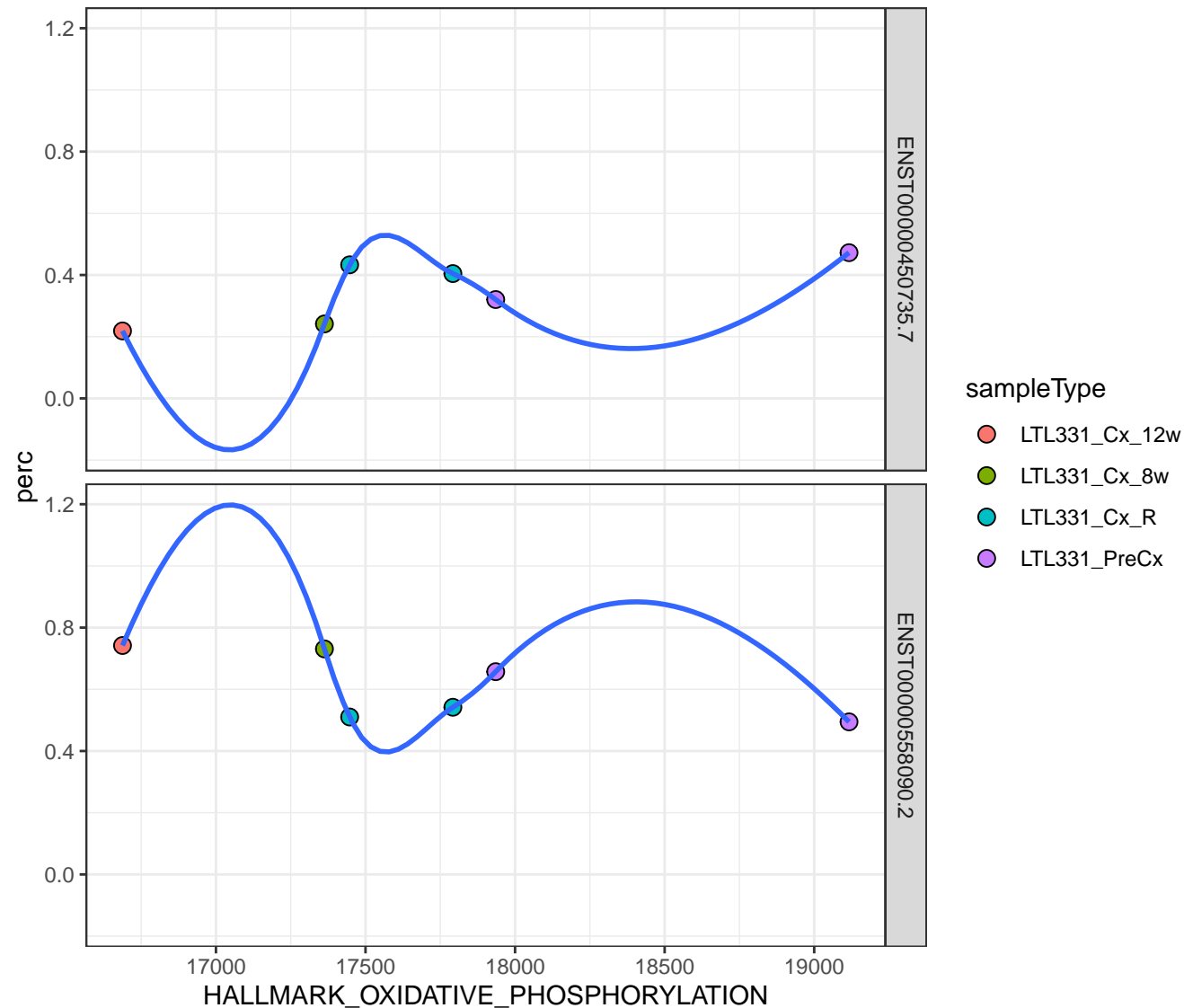
LTL\_longitudinal

Gene = HOMER2

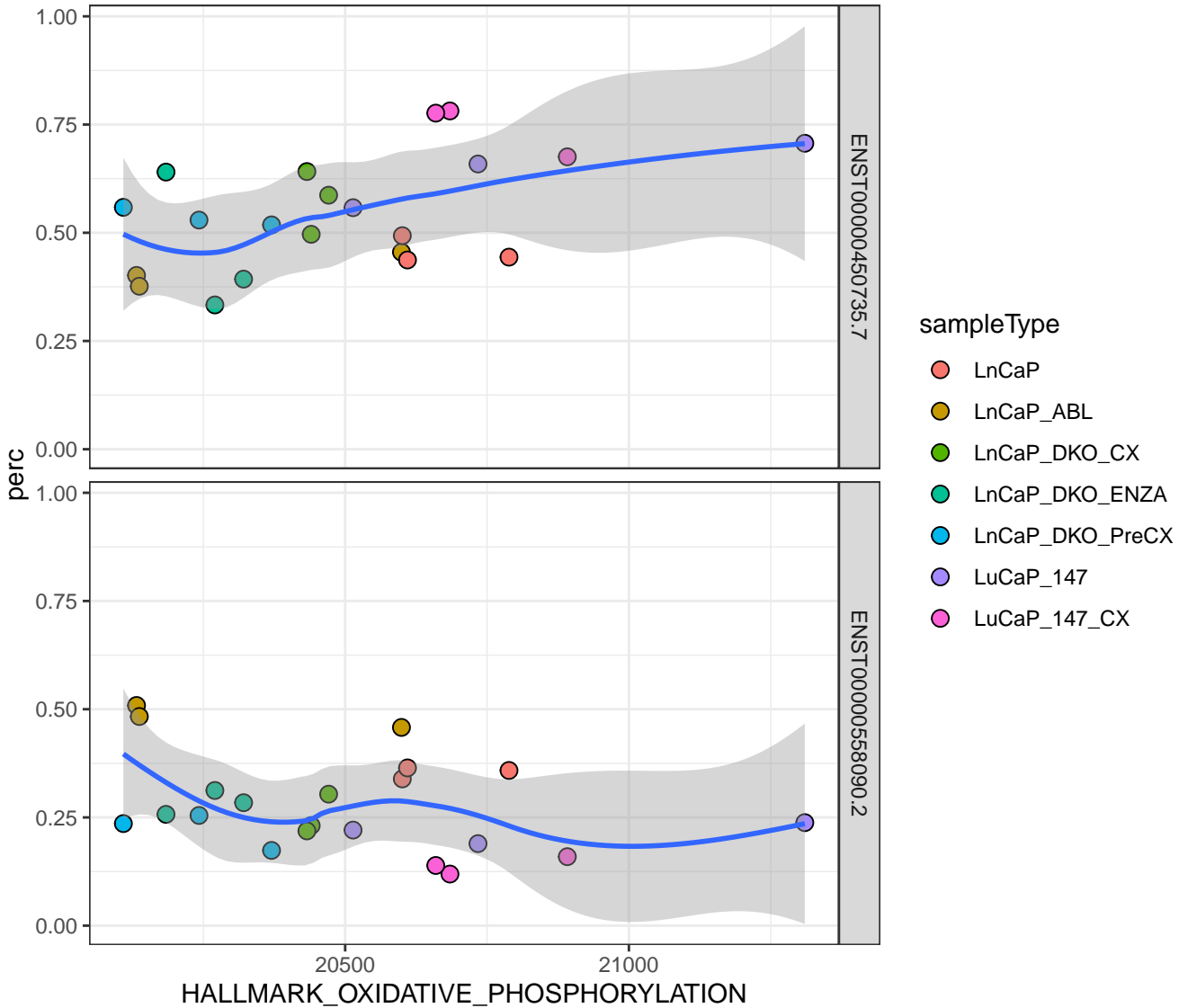
Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION

ENST00000450735.7 (up) = 0.756914656935353

ENST00000558090.2 (down) = -0.684164516711837



PDX\_longitudinal  
 Gene = HOMER2  
 Target = HALLMARK\_OXIDATIVE\_PHOSPHORYLATION  
 ENST00000450735.7 (up) = 0.510257262120938  
 ENST00000558090.2 (down) = -0.334120669792336



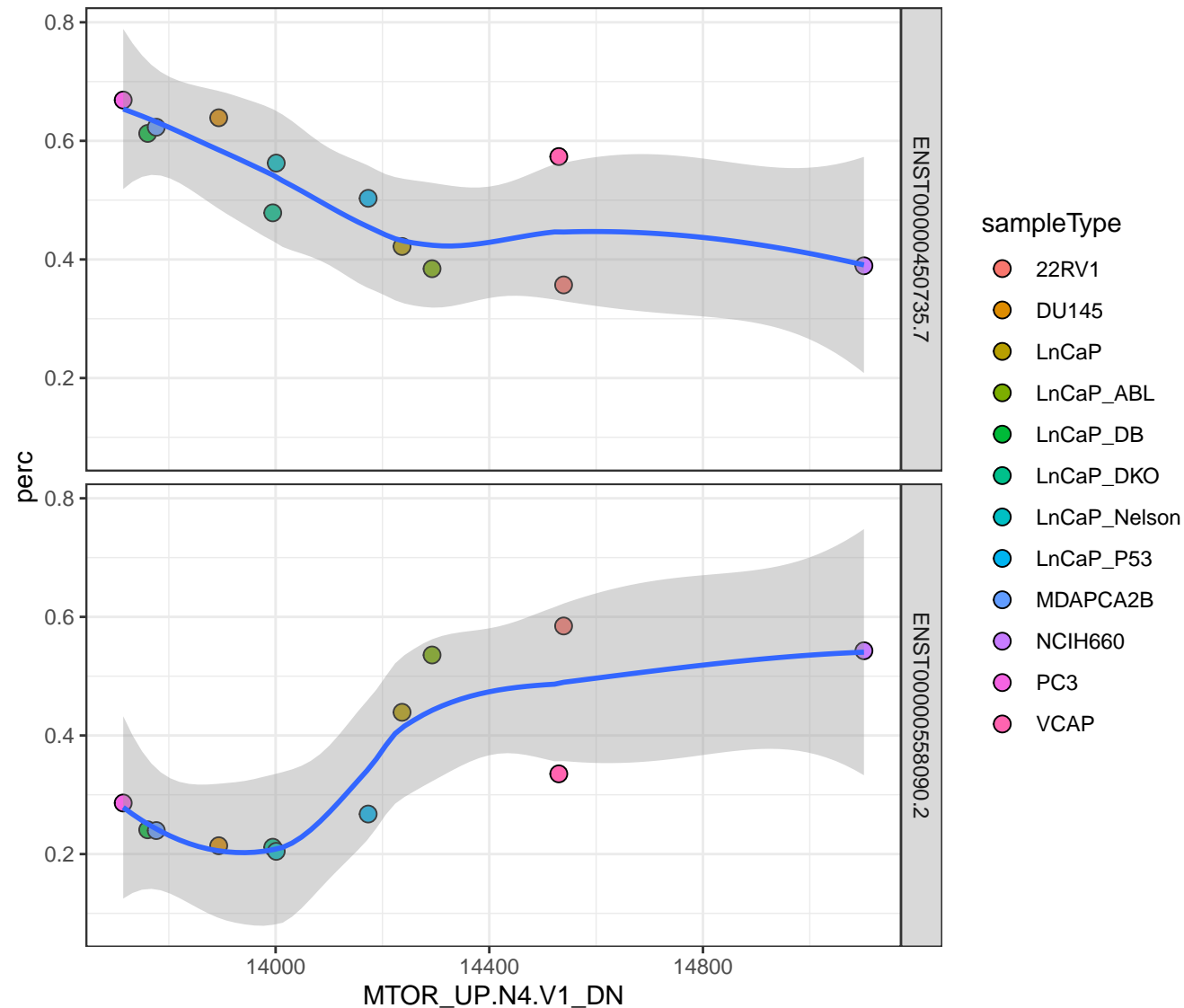
CellLine

Gene = HOMER2

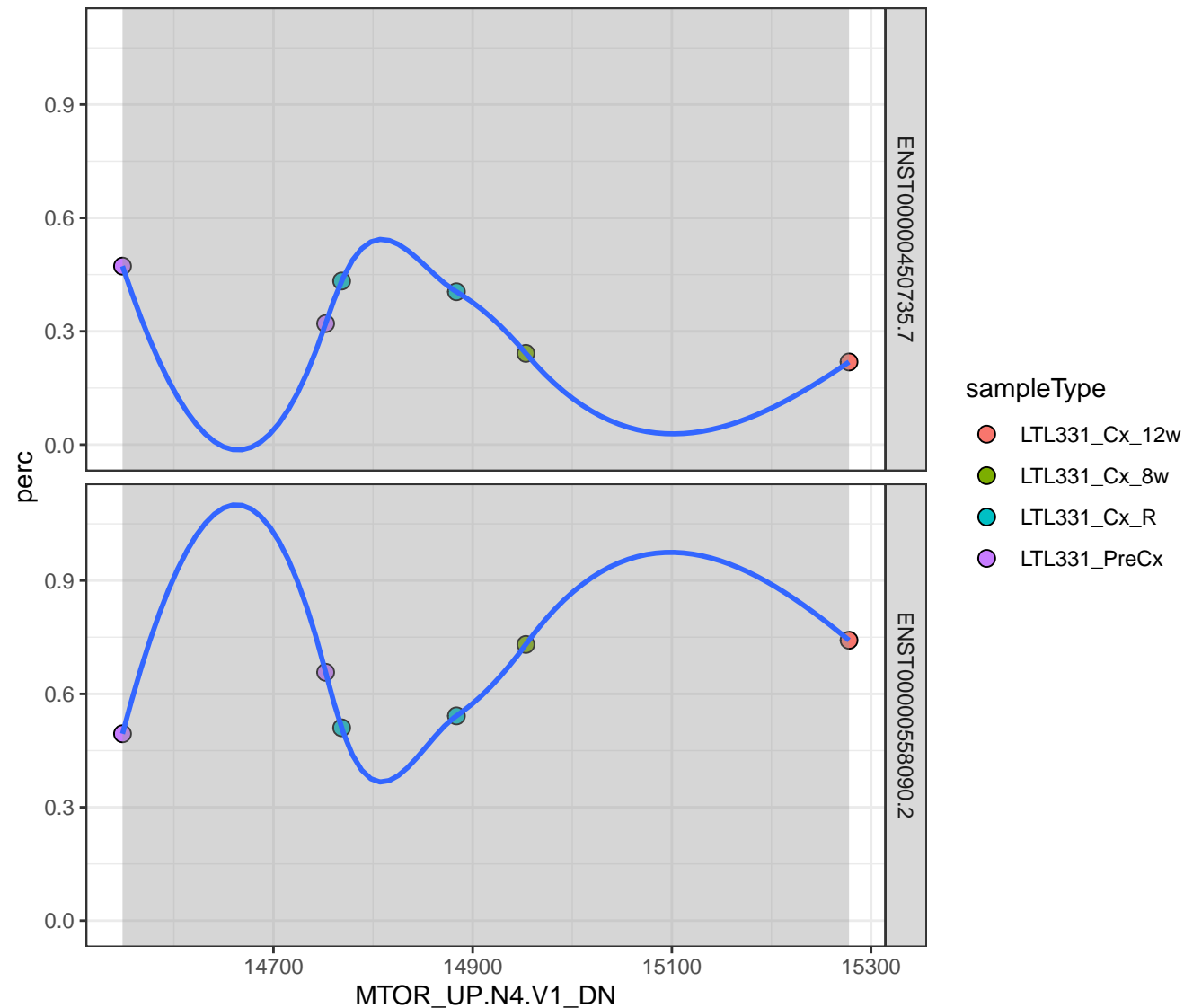
Target = MTOR\_UP.N4.V1\_DN

ENST00000558090.2 (up) = 0.765694335171108

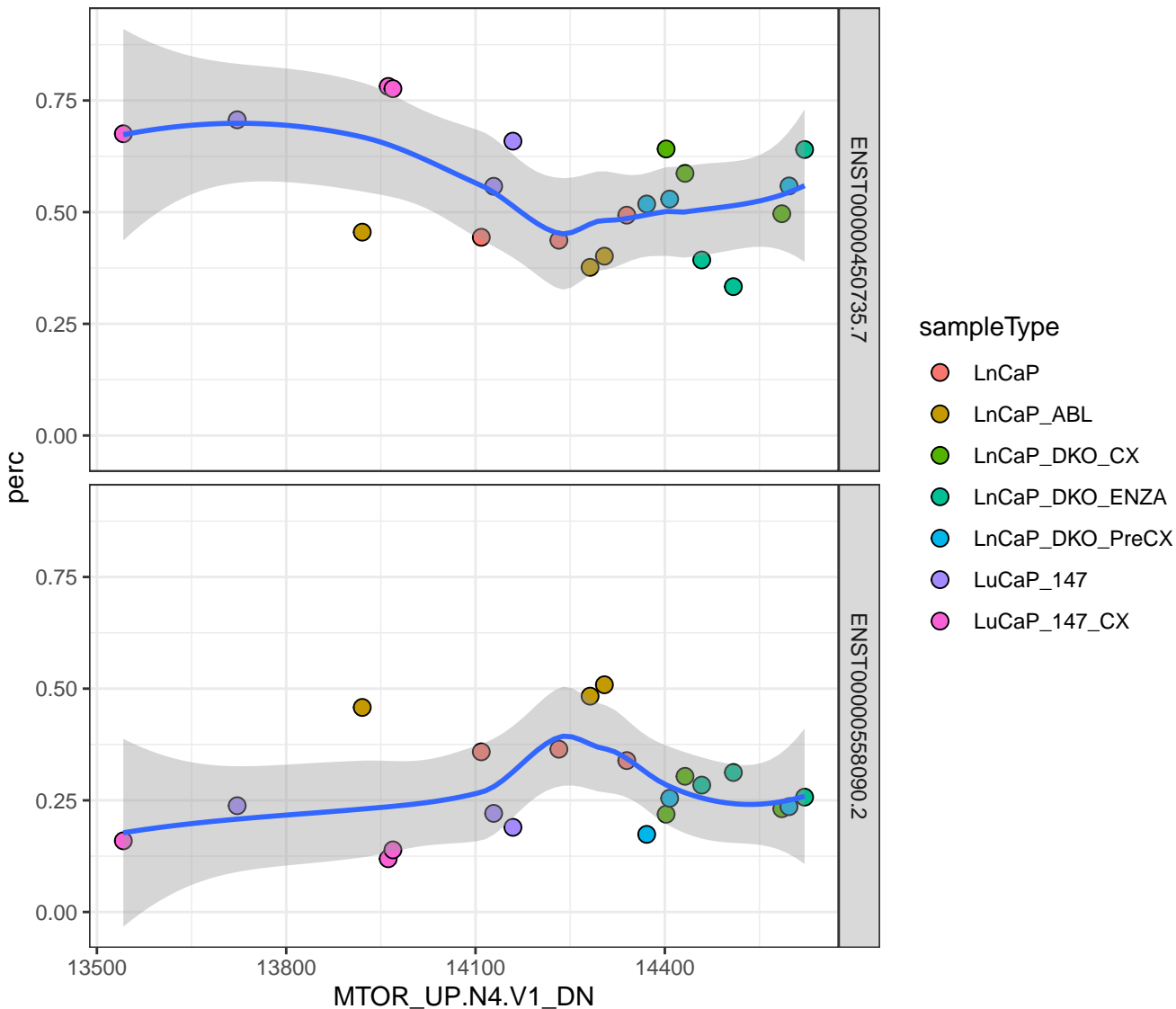
ENST00000450735.7 (down) = -0.739951790446368



LTL\_longitudinal  
Gene = HOMER2  
Target = MTOR\_UP.N4.V1\_DN  
ENST00000558090.2 (up) = 0.766530174170096  
ENST00000450735.7 (down) = -0.82772472782339



PDX\_longitudinal  
 Gene = HOMER2  
 Target = MTOR\_UP.N4.V1\_DN  
 ENST00000558090.2 (up) = 0.171890911850463  
 ENST00000450735.7 (down) = -0.451421892015385



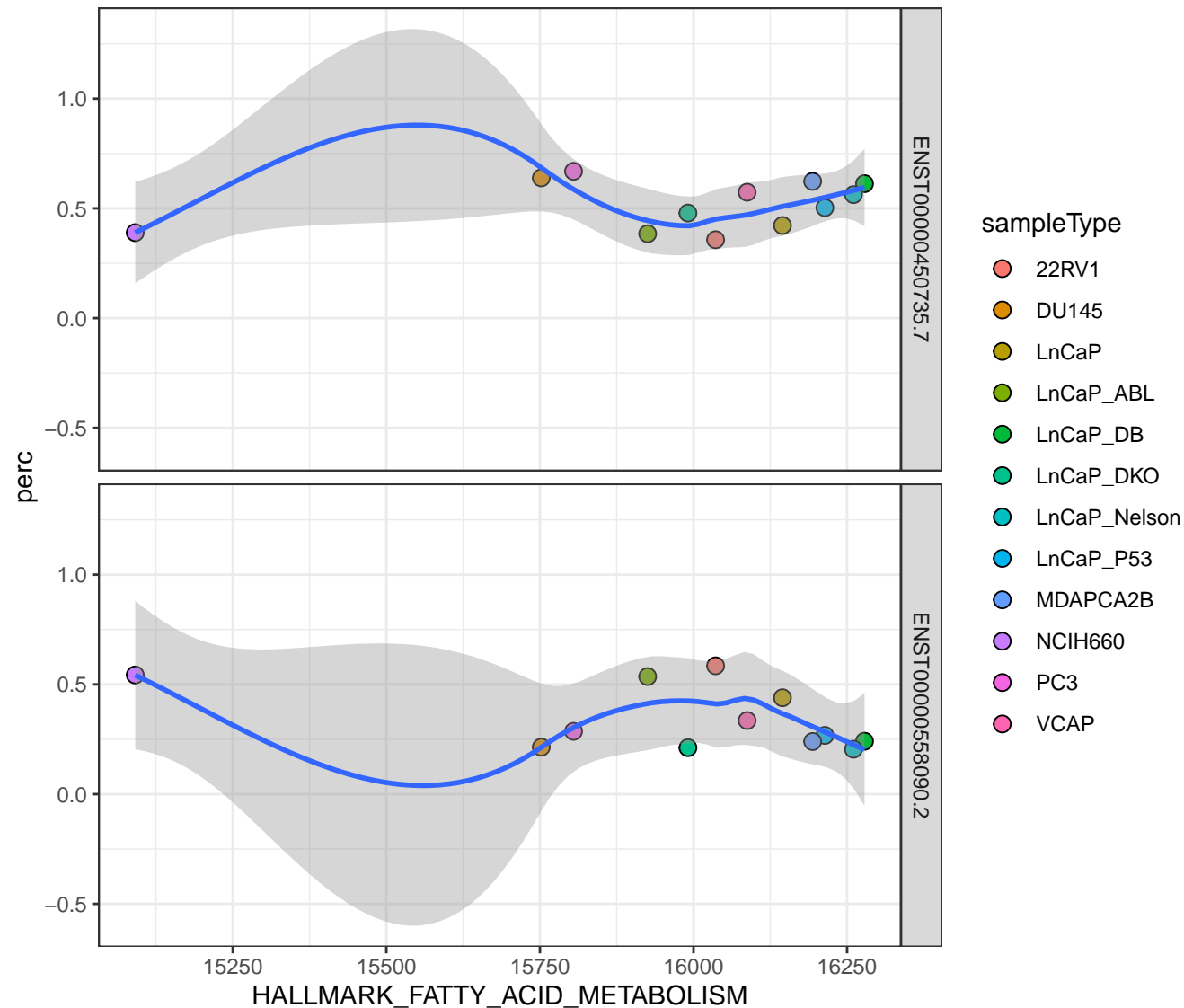
CellLine

Gene = HOMER2

Target = HALLMARK\_FATTY\_ACID\_METABOLISM

ENST00000450735.7 (up) = 0.271299364484619

ENST00000558090.2 (down) = -0.444010110434931



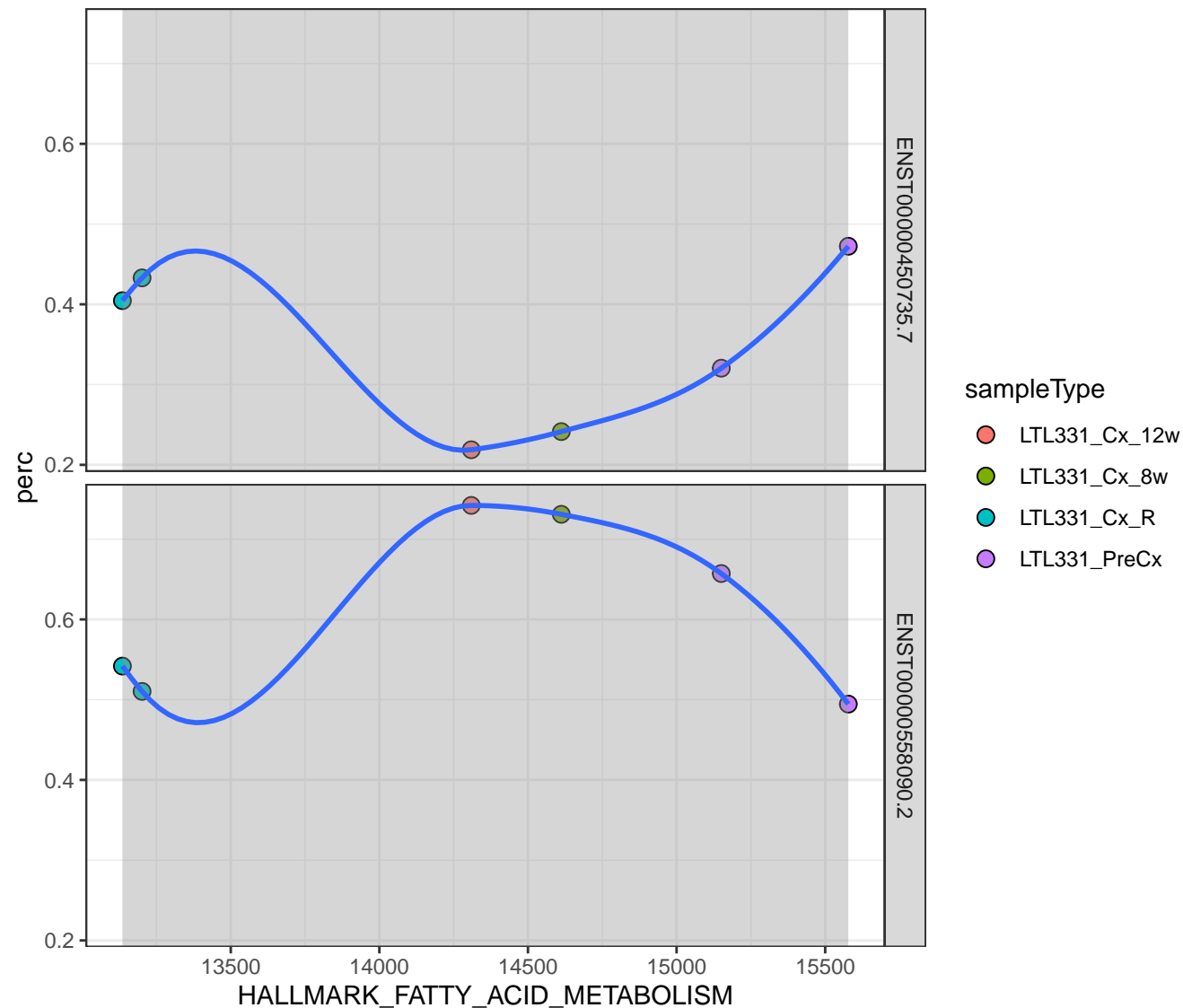
LTL\_longitudinal

Gene = HOMER2

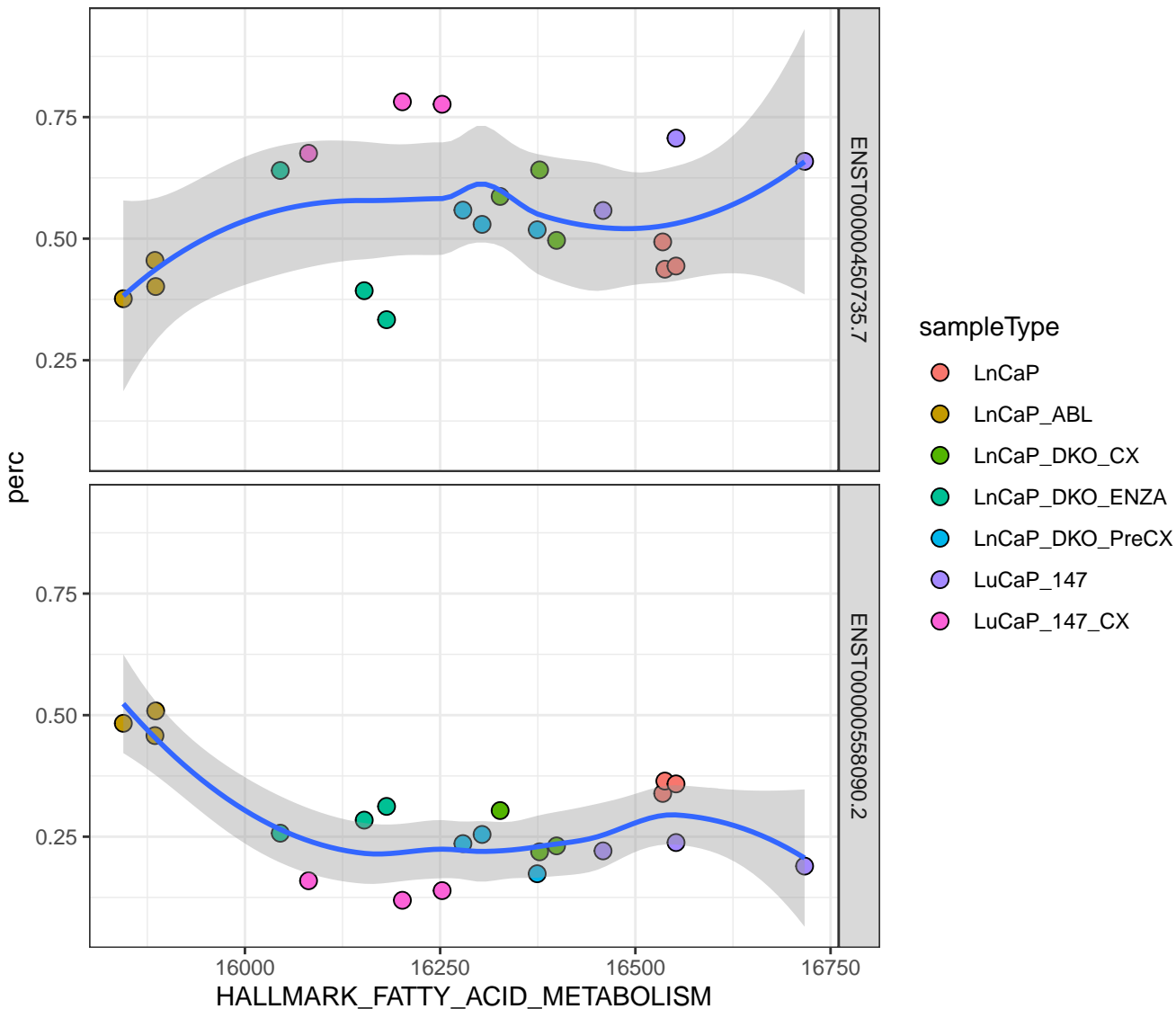
Target = HALLMARK\_FATTY\_ACID\_METABOLISM

ENST00000450735.7 (up) =  $-0.1112785296321$

ENST00000558090.2 (down) =  $0.214718167215245$



PDX\_longitudinal  
 Gene = HOMER2  
 Target = HALLMARK\_FATTY\_ACID\_METABOLISM  
 ENST00000450735.7 (up) = 0.258809902289123  
 ENST00000558090.2 (down) = -0.439457574908875





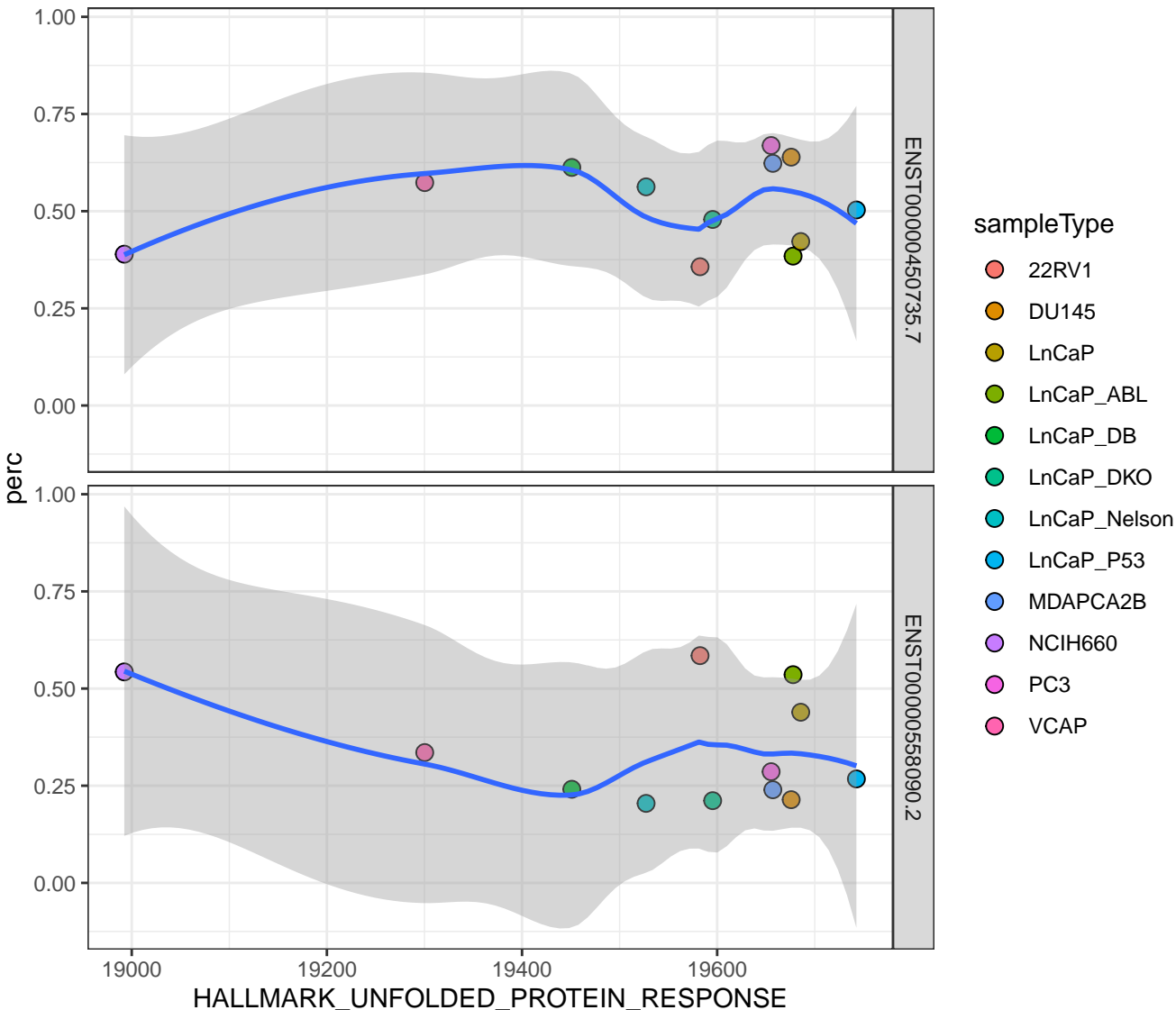
CellLine

Gene = HOMER2

Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE

ENST00000450735.7 (up) = 0.193397466260349

ENST00000558090.2 (down) = -0.311005094785662



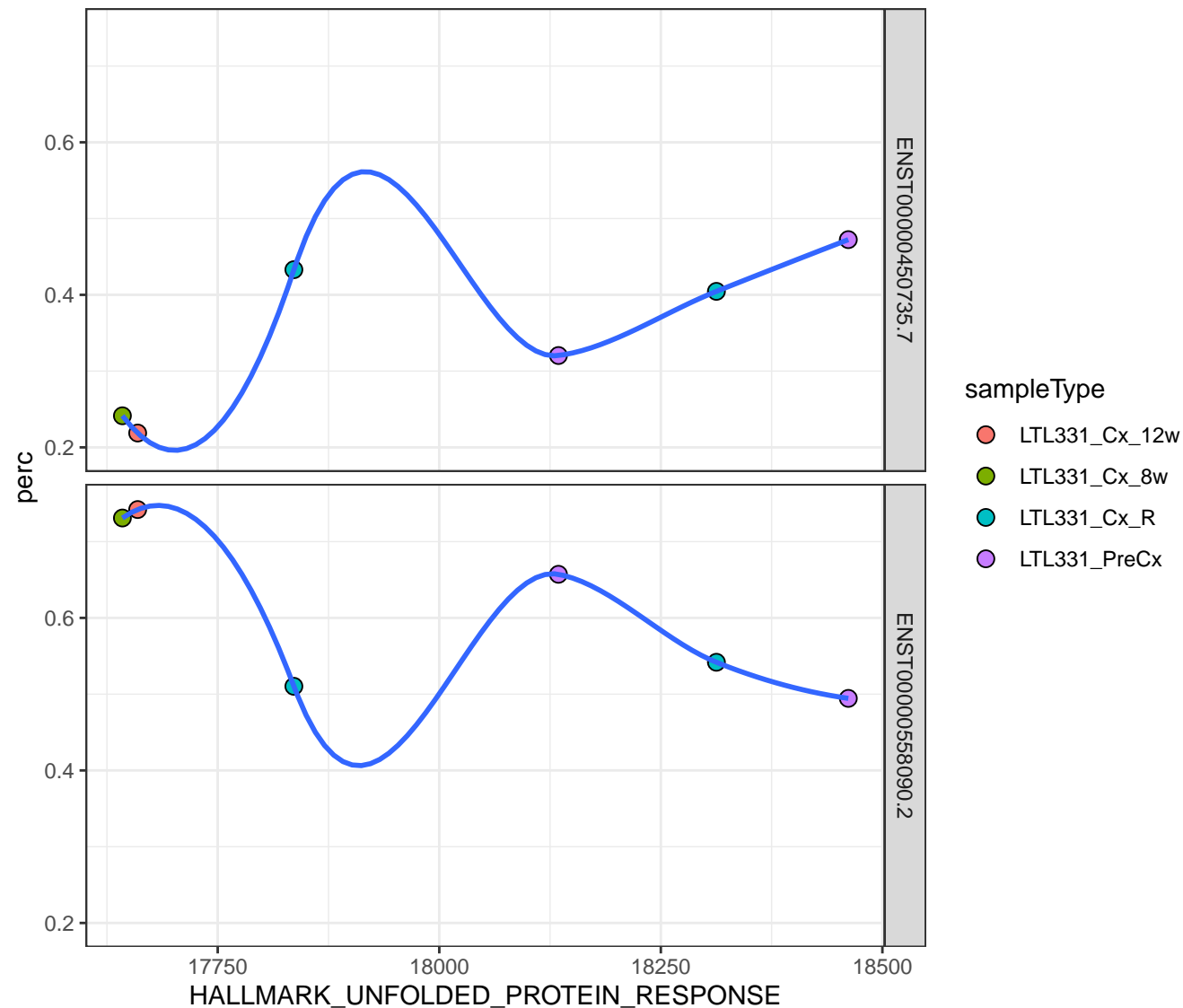
LTL\_longitudinal

Gene = HOMER2

Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE

ENST00000450735.7 (up) = 0.770610939023069

ENST00000558090.2 (down) = -0.726732178444449



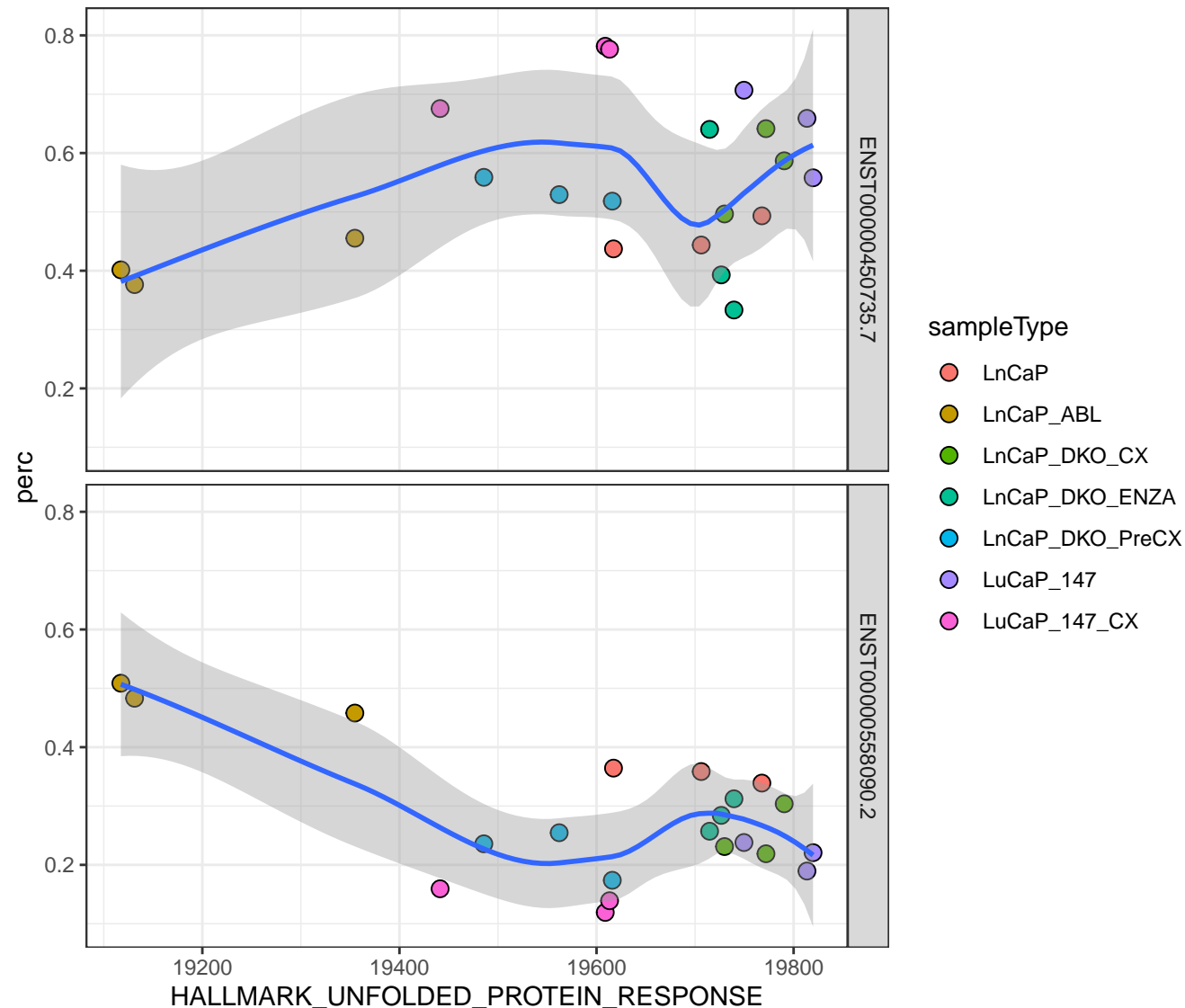
PDX\_longitudinal

Gene = HOMER2

Target = HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE

ENST00000450735.7 (up) = 0.30711655305066

ENST00000558090.2 (down) = -0.577277067408419



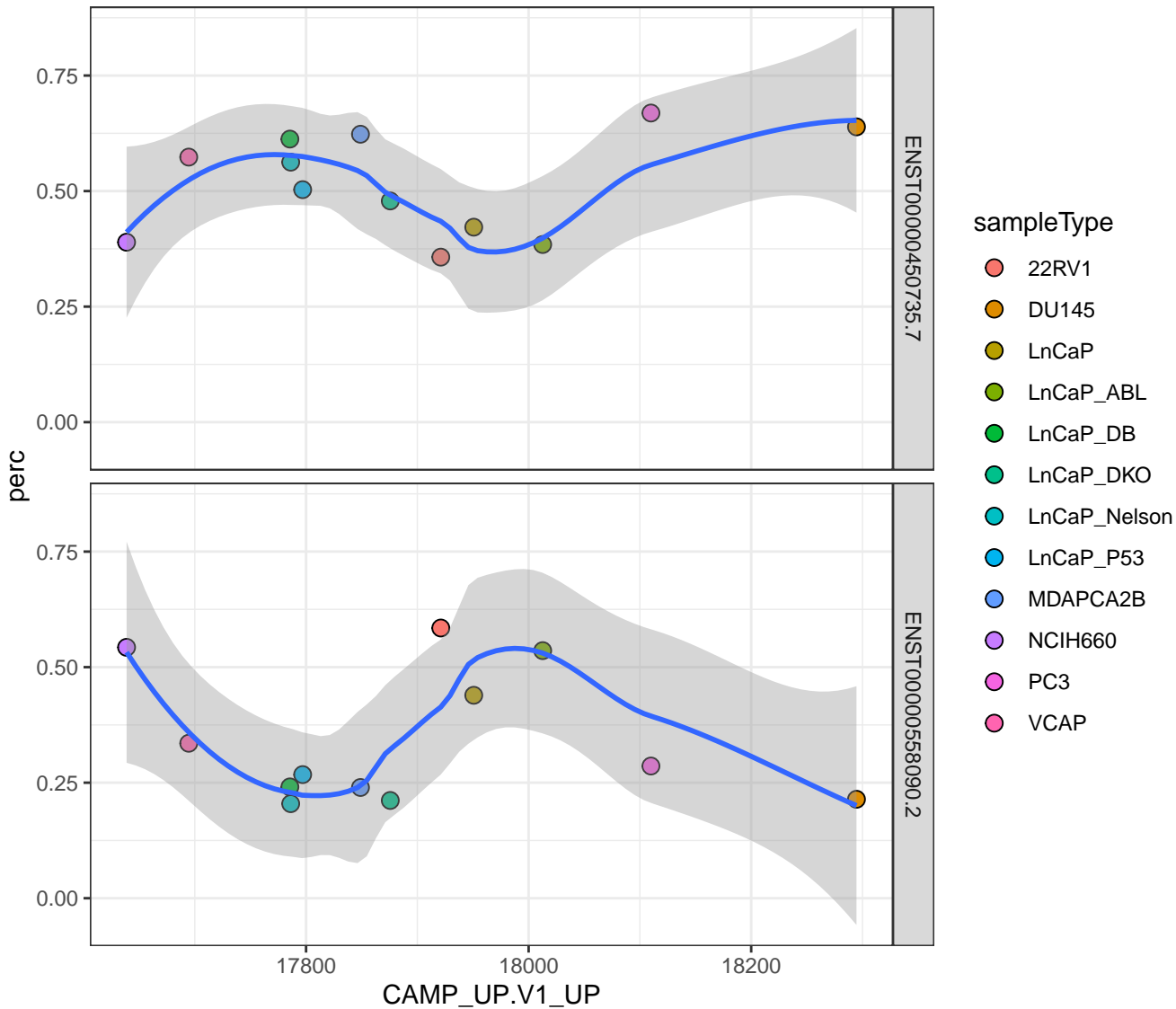
CellLine

Gene = HOMER2

Target = CAMP\_UP.V1\_UP

ENST00000450735.7 (up) = 0.269238794067352

ENST00000558090.2 (down) = -0.132367187765289



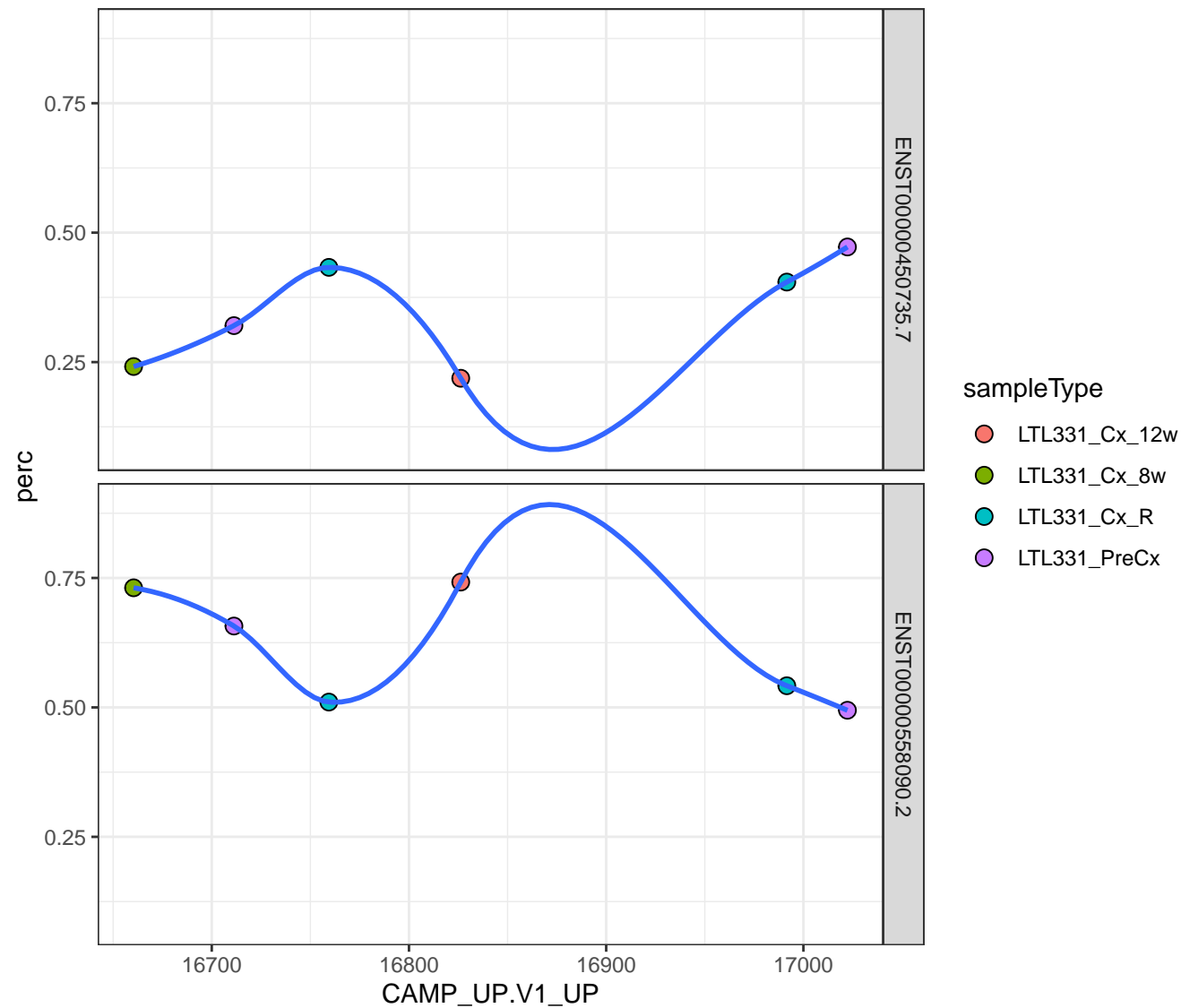
LTL\_longitudinal

Gene = HOMER2

Target = CAMP\_UP.V1\_UP

ENST00000450735.7 (up) = 0.627622277103108

ENST00000558090.2 (down) = -0.635461271753296



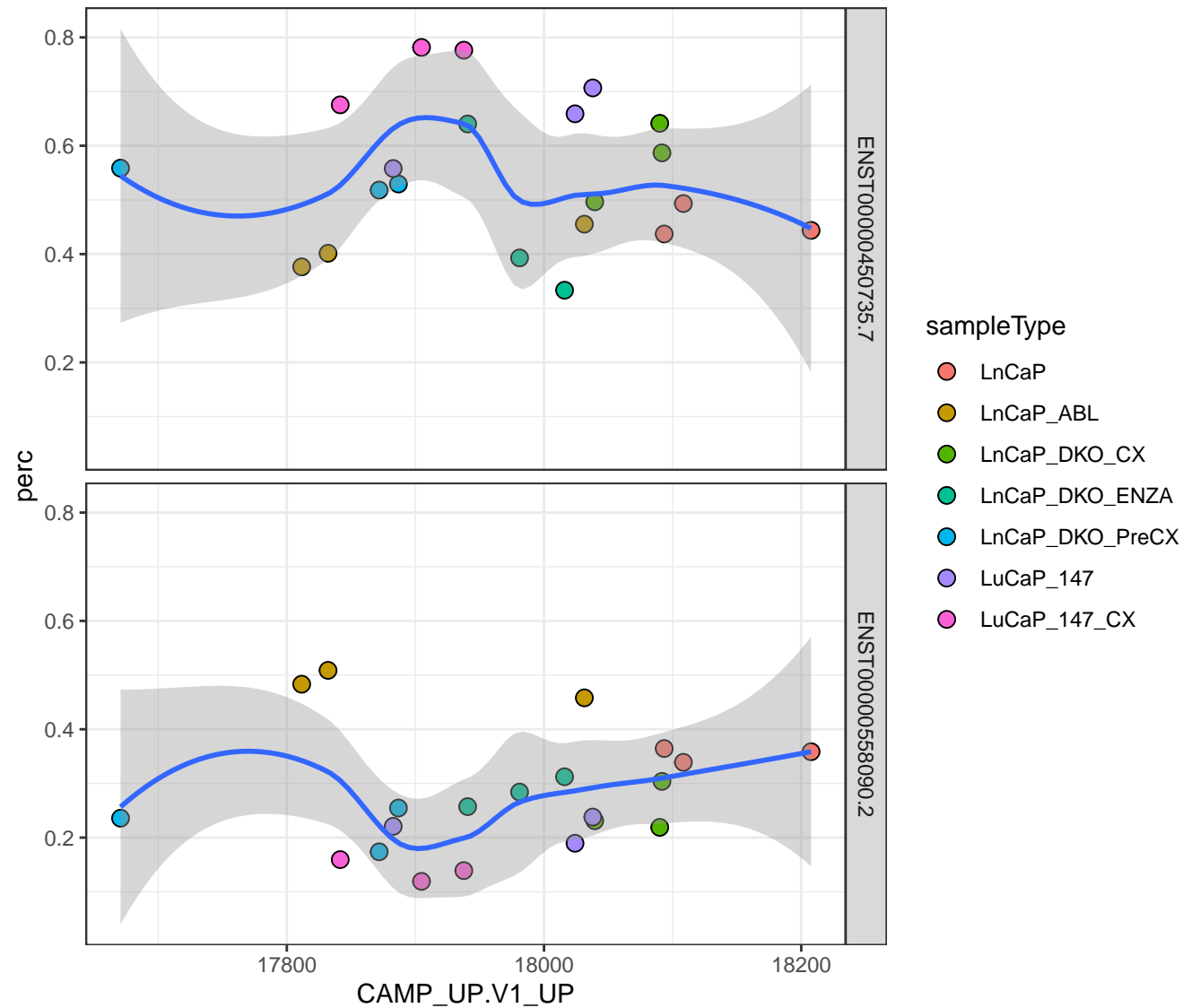
PDX\_longitudinal

Gene = HOMER2

Target = CAMP\_UP.V1\_UP

ENST00000450735.7 (up) =  $-0.0859354489641817$

ENST00000558090.2 (down) =  $0.117831716748979$



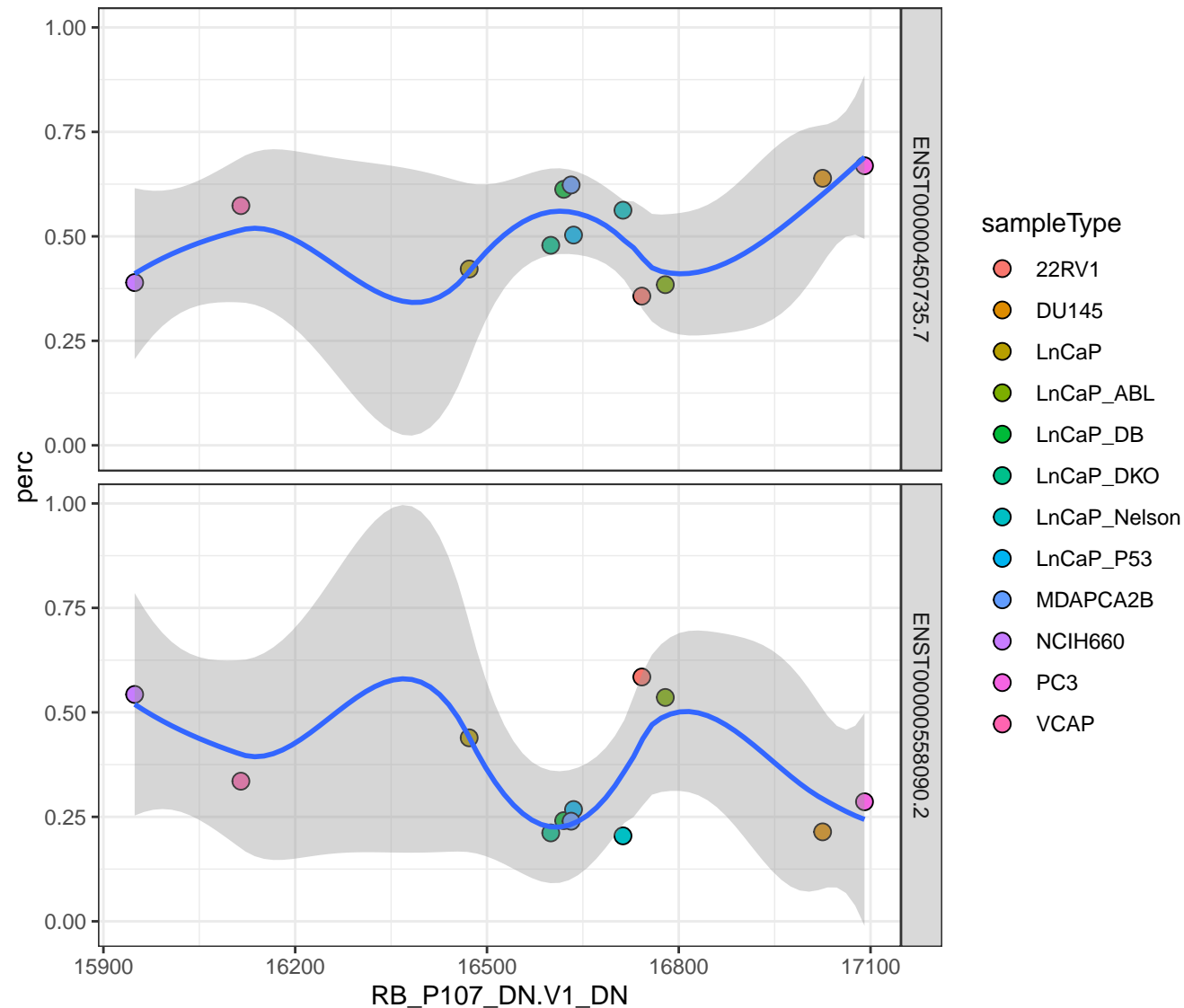
CellLine

Gene = HOMER2

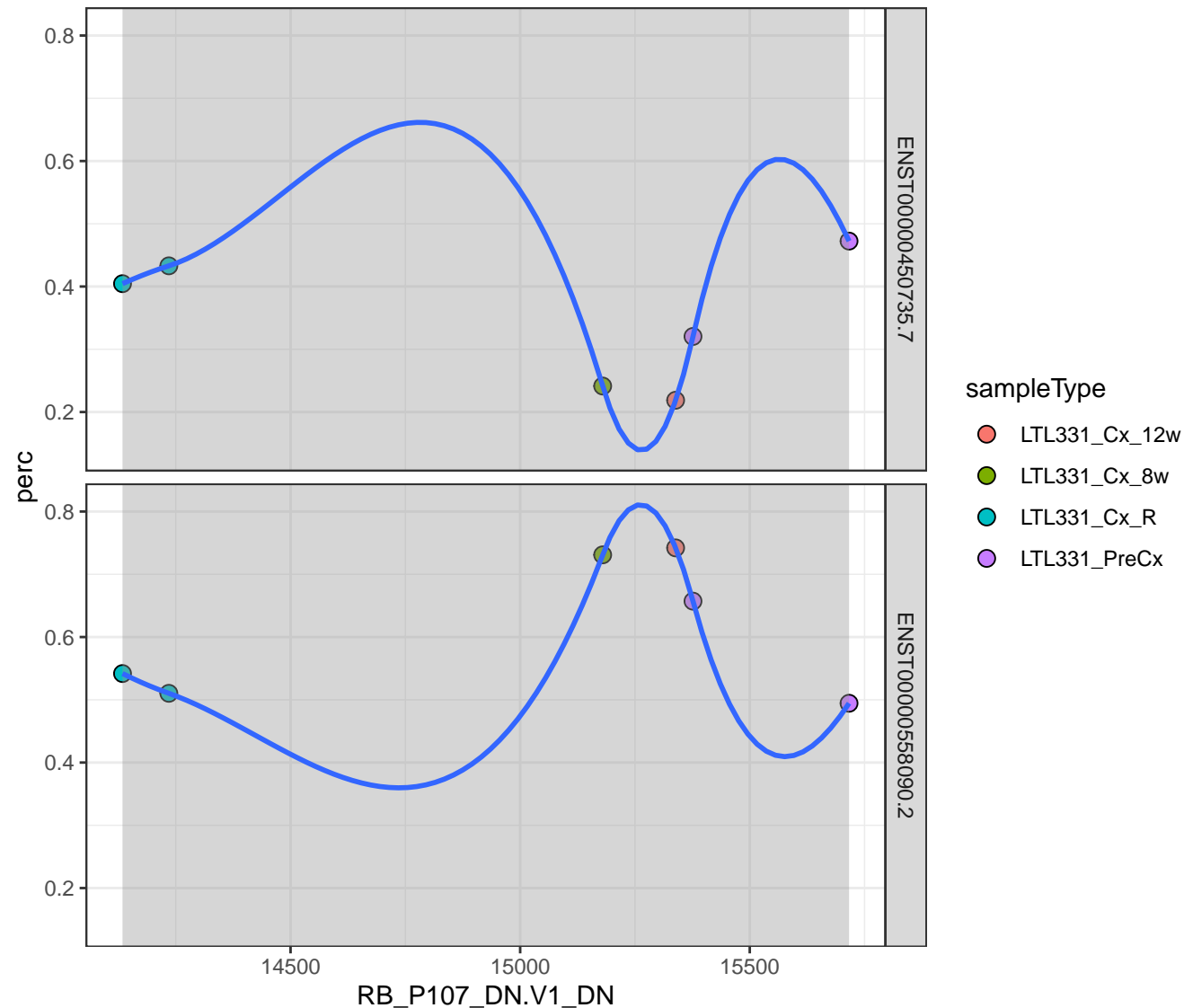
Target = RB\_P107\_DN.V1\_DN

ENST00000450735.7 (up) = 0.399506137676467

ENST00000558090.2 (down) = -0.341896034092223



LTL\_longitudinal  
 Gene = HOMER2  
 Target = RB\_P107\_DN.V1\_DN  
 ENST00000450735.7 (up) =  $-0.287153298124717$   
 ENST00000558090.2 (down) =  $0.375364031348331$





PDX\_longitudinal  
Gene = HOMER2  
Target = RB\_P107\_DN.V1\_DN  
ENST00000450735.7 (up) = 0.224003345761355  
ENST00000558090.2 (down) = -0.533313242801069

