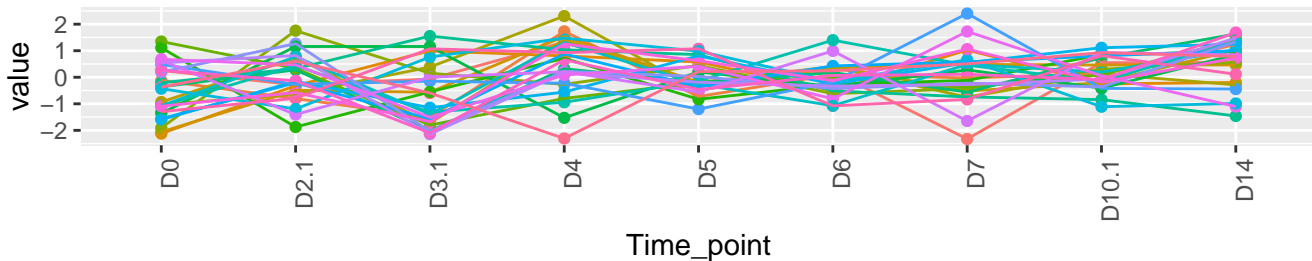
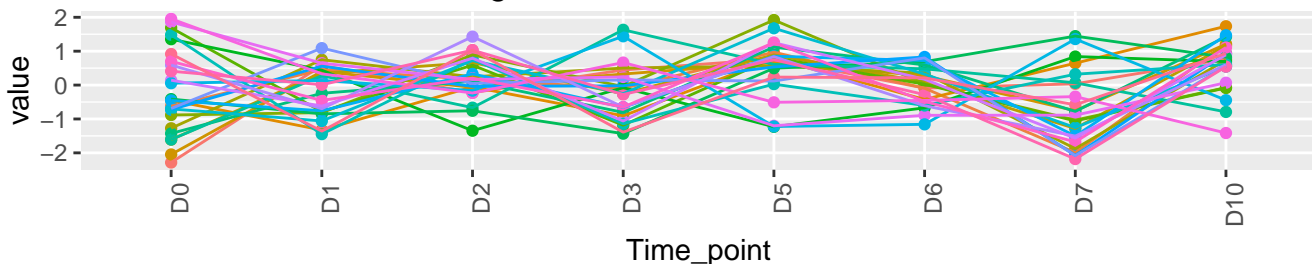


Regulation of actin cytoskeleton.F2r-1;49

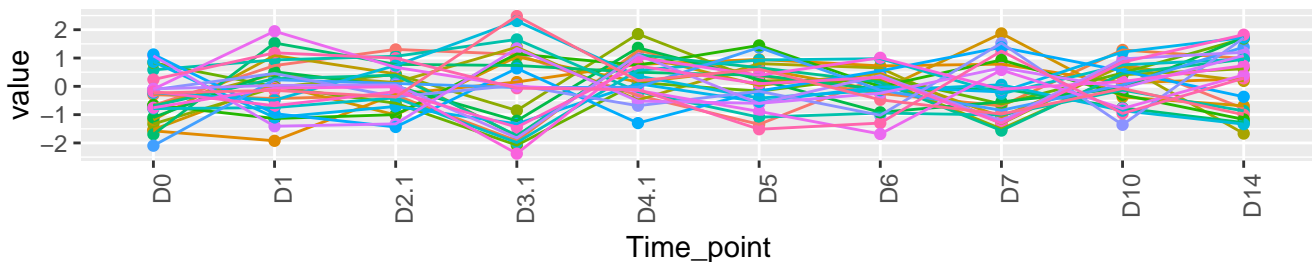
26 genes – EC_WT-standardized



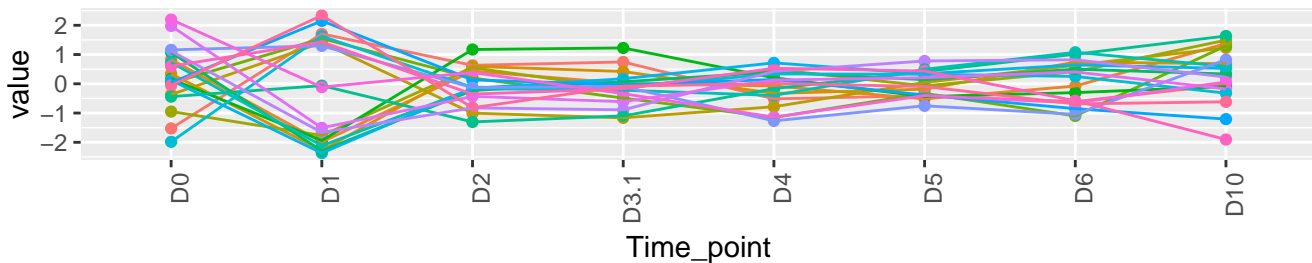
25 genes – EC_KO-standardized



26 genes – FAP_WT-standardized

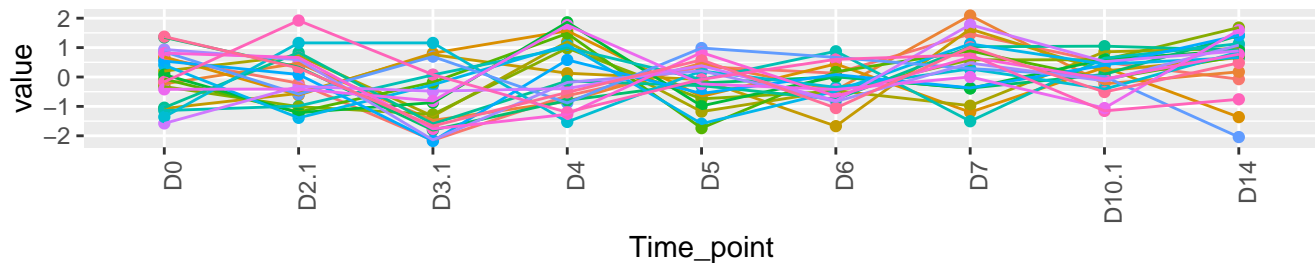


19 genes – FAP_KO-standardized

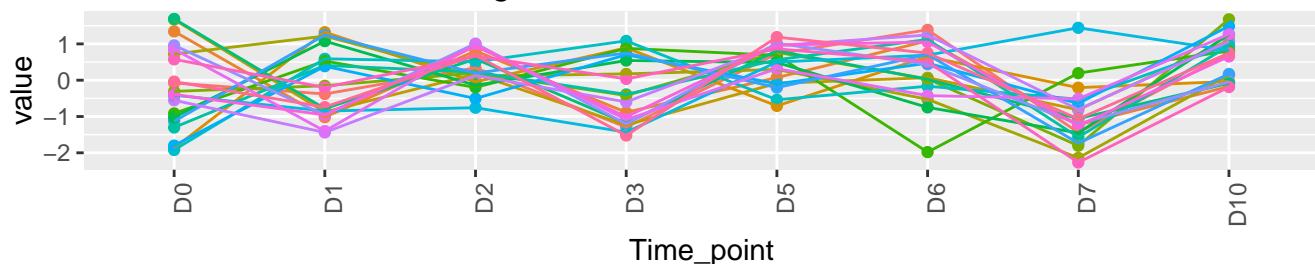


Long-term potentiation

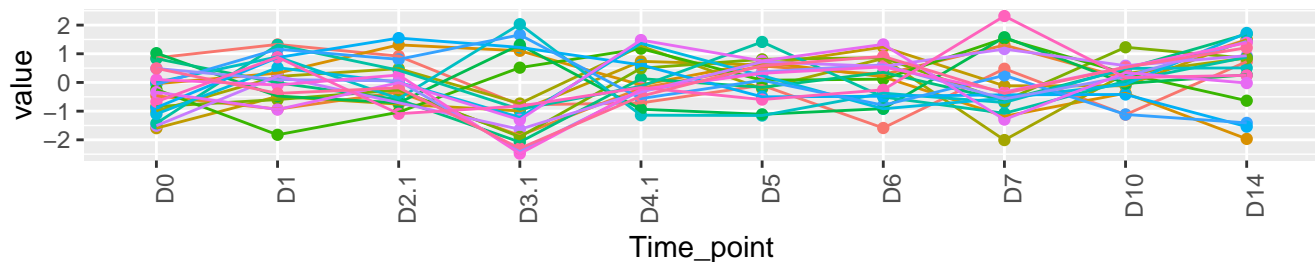
21 genes – EC_WT-standardized



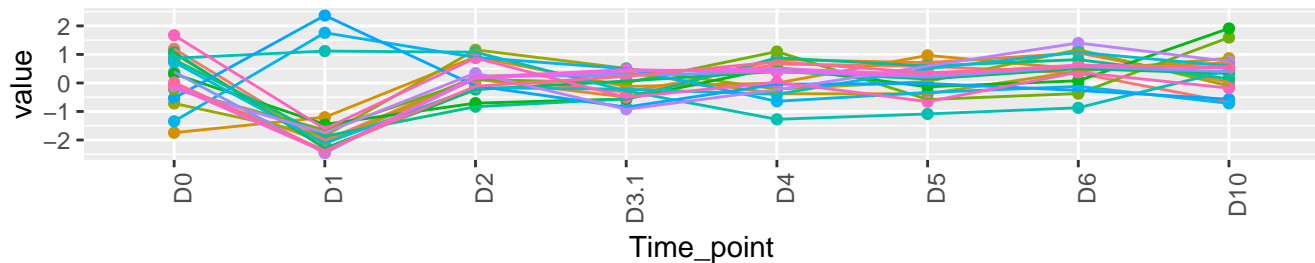
20 genes – EC_KO-standardized



20 genes – FAP_WT-standardized

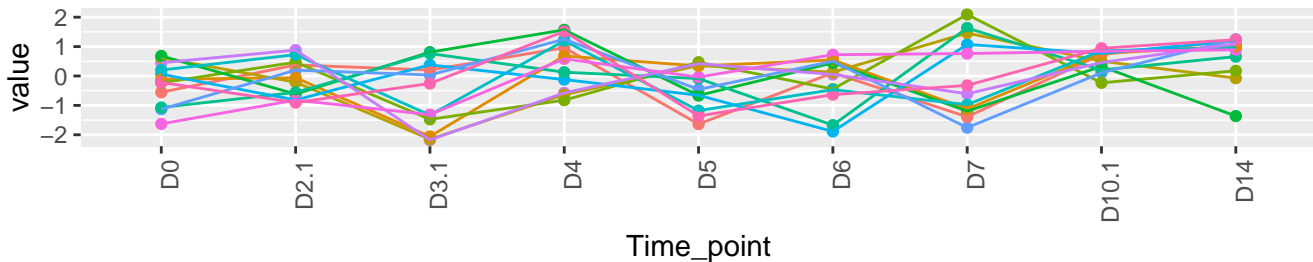


19 genes – FAP_KO-standardized

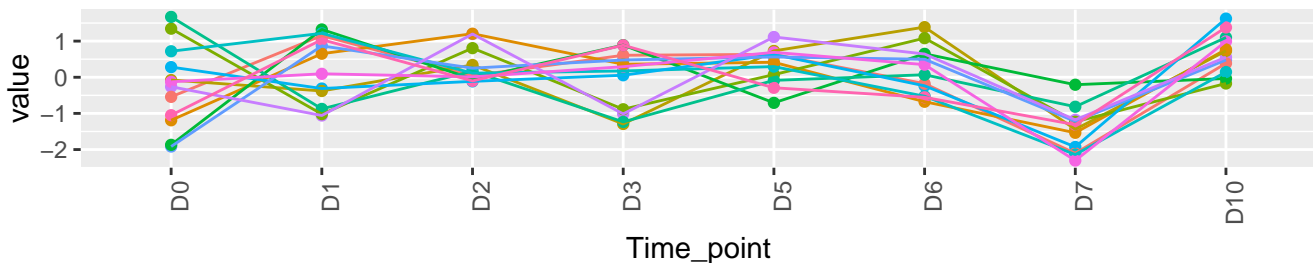


cAMP signaling pathway

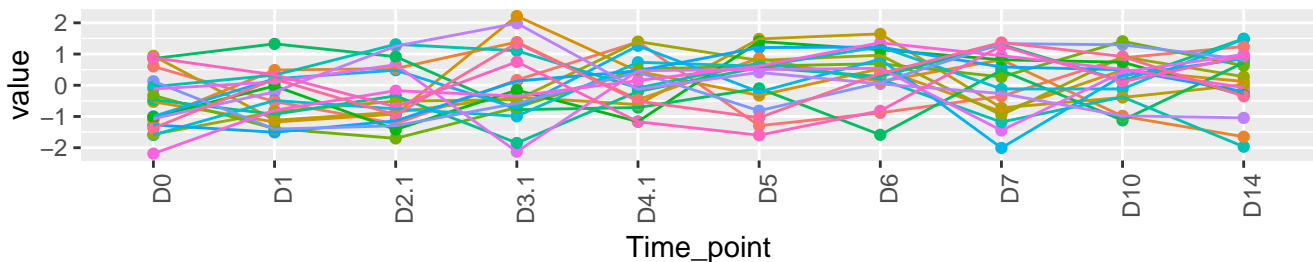
12 genes – EC_WT-standardized



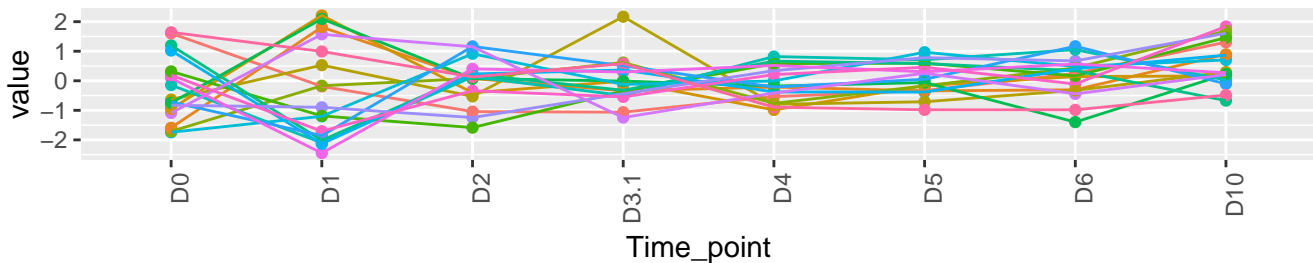
12 genes – EC_KO-standardized



19 genes – FAP_WT-standardized

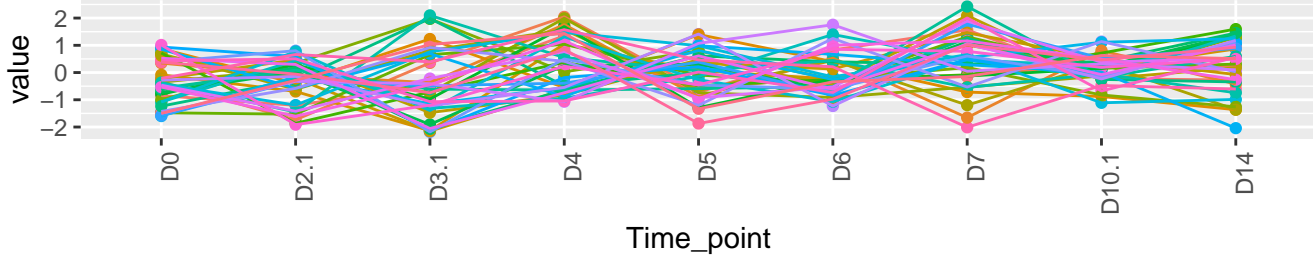


17 genes – FAP_KO-standardized

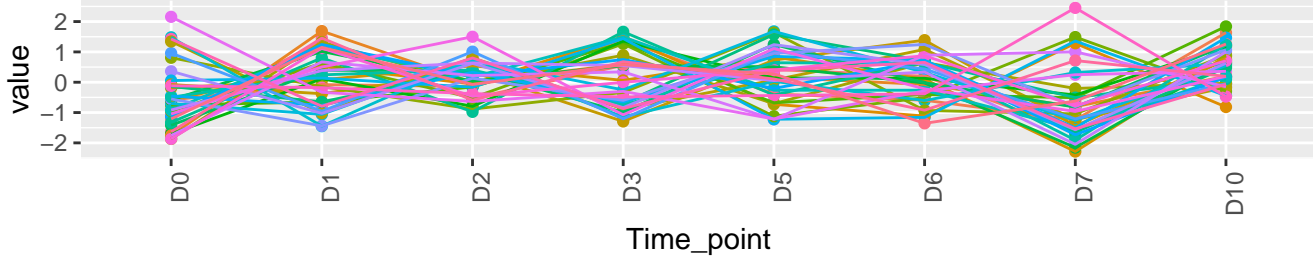


Insulin signaling pathway.Prkab2-1;17

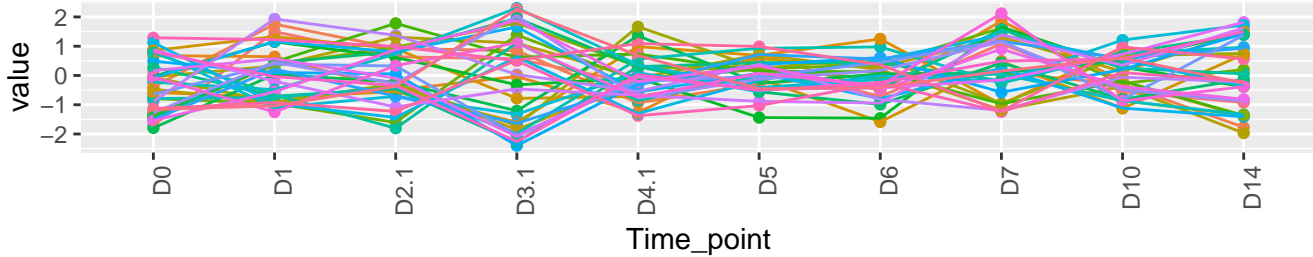
37 genes – EC_WT-standardized



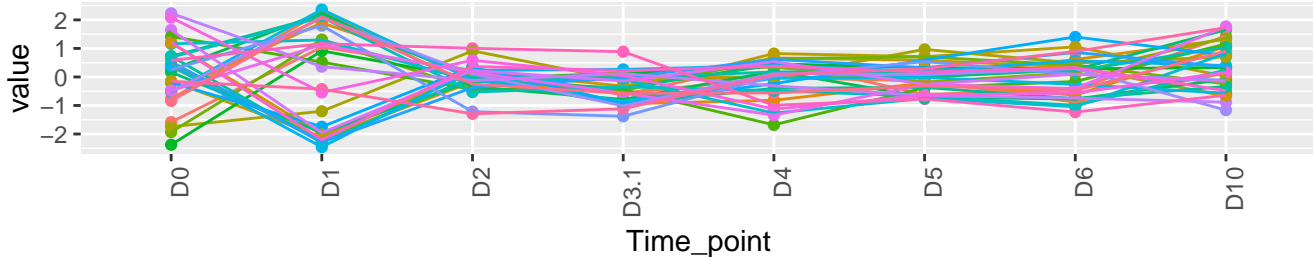
35 genes – EC_KO-standardized



34 genes – FAP_WT-standardized

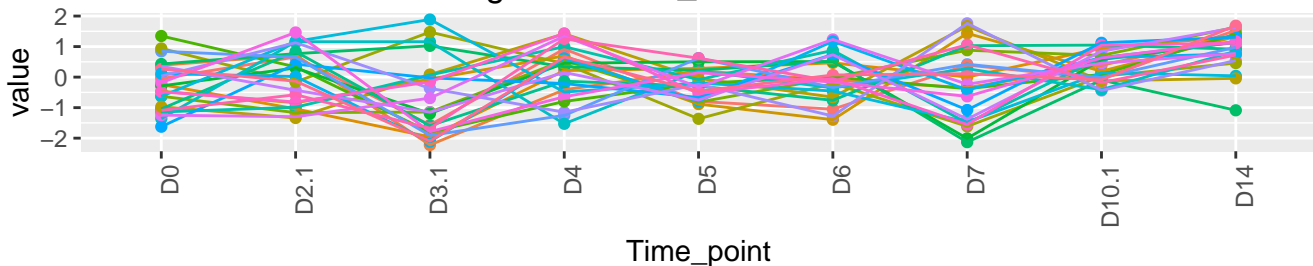


31 genes – FAP_KO-standardized

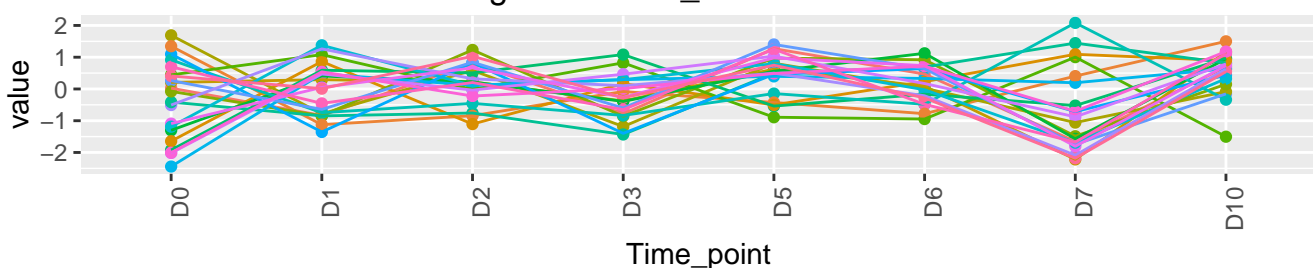


Neurotrophin signaling pathway

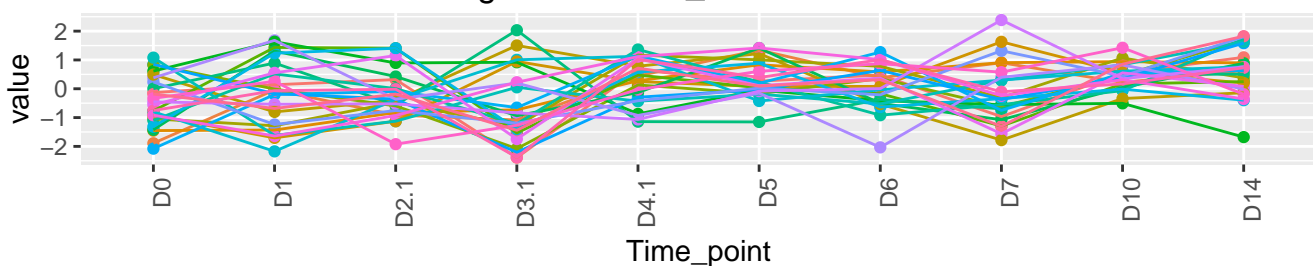
24 genes – EC_WT-standardized



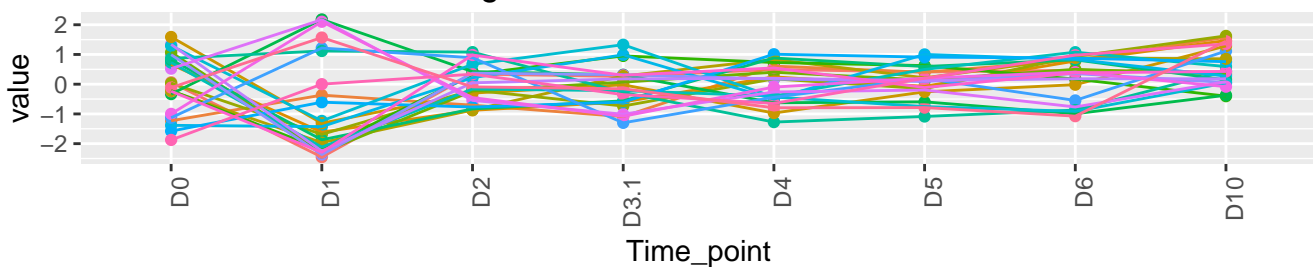
21 genes – EC_KO-standardized



25 genes – FAP_WT-standardized

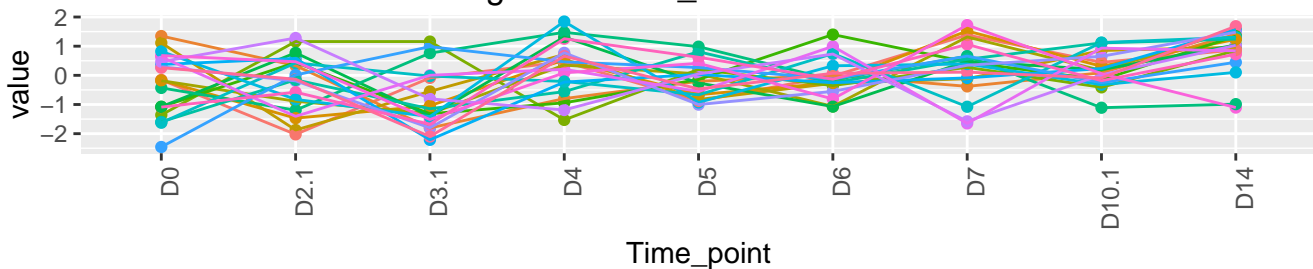


23 genes – FAP_KO-standardized

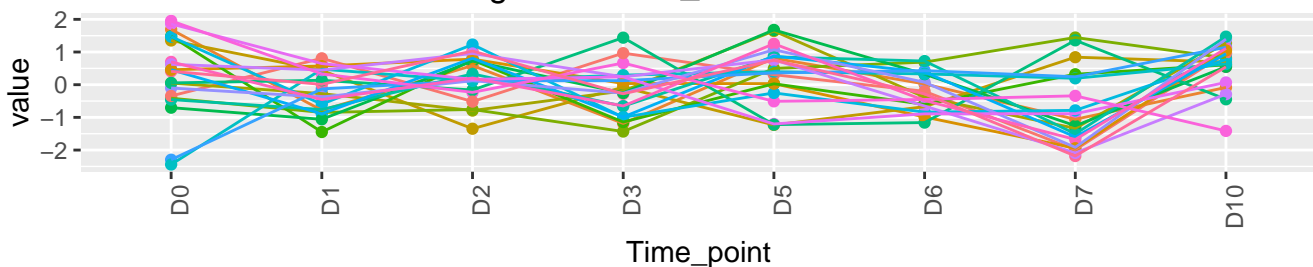


Ras signaling pathway.Rasa1-1;12

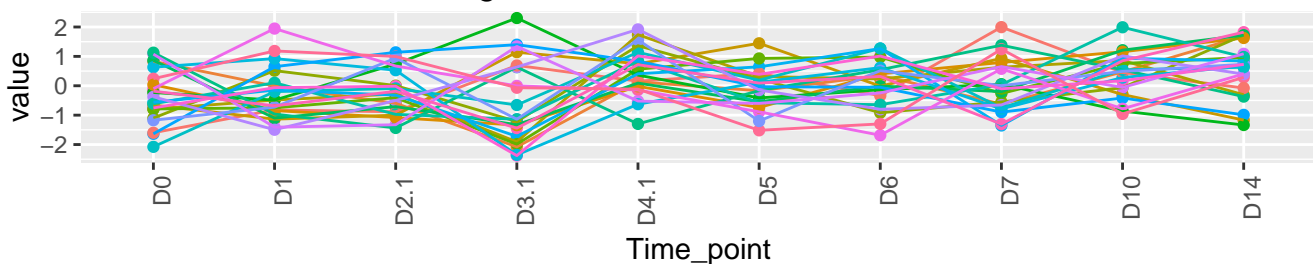
20 genes – EC_WT-standardized



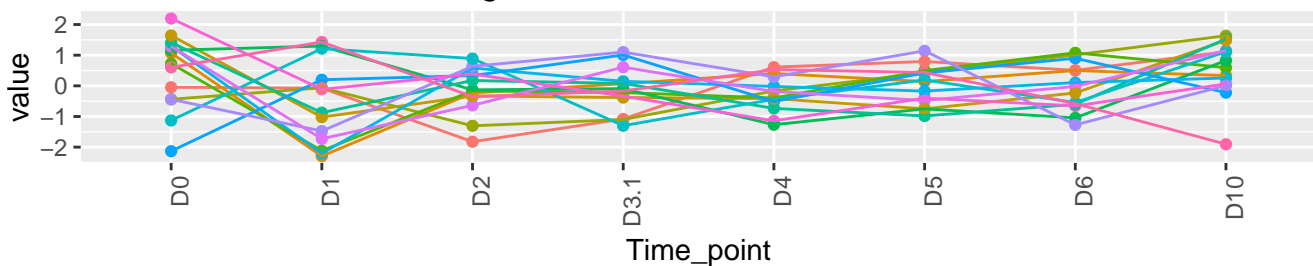
20 genes – EC_KO-standardized



22 genes – FAP_WT-standardized

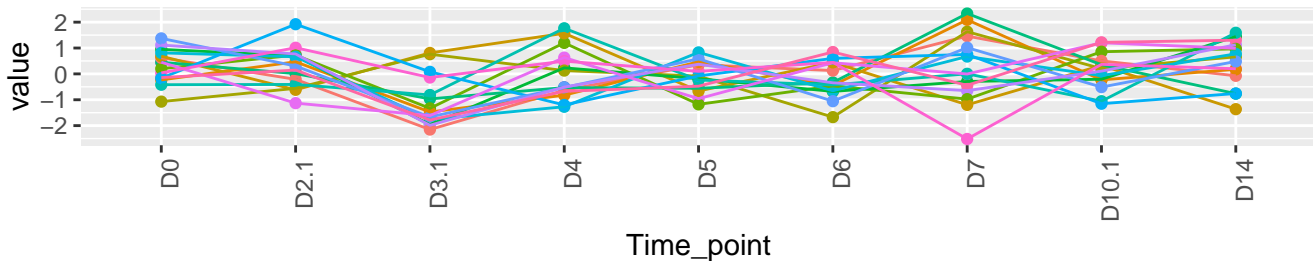


14 genes – FAP_KO-standardized

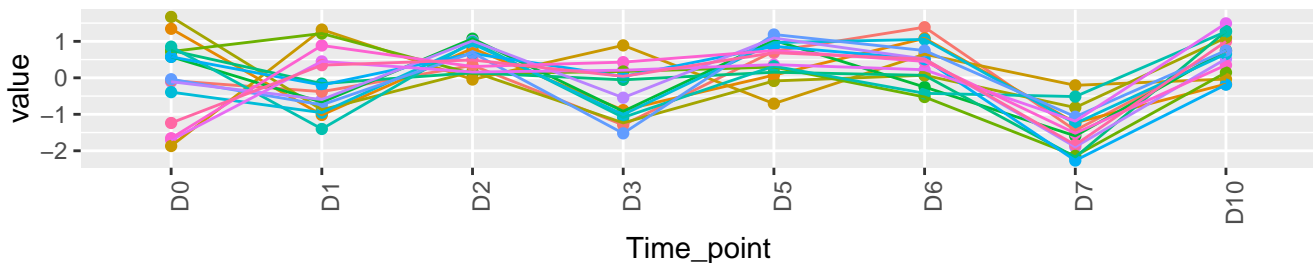


Tuberculosis.II10rb-26;33

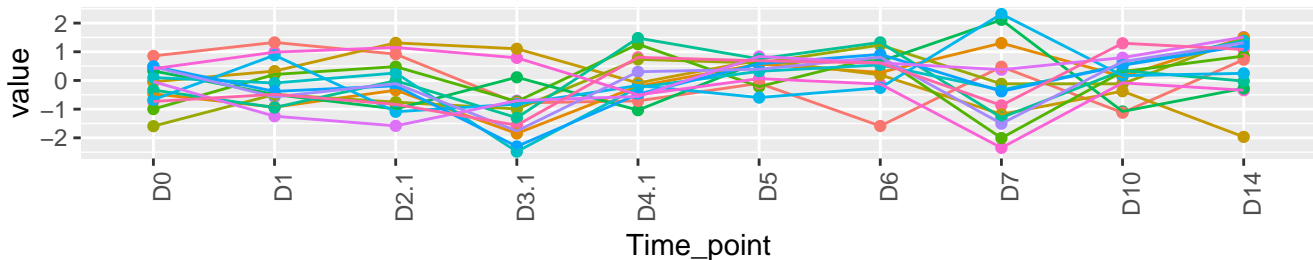
15 genes – EC_WT-standardized



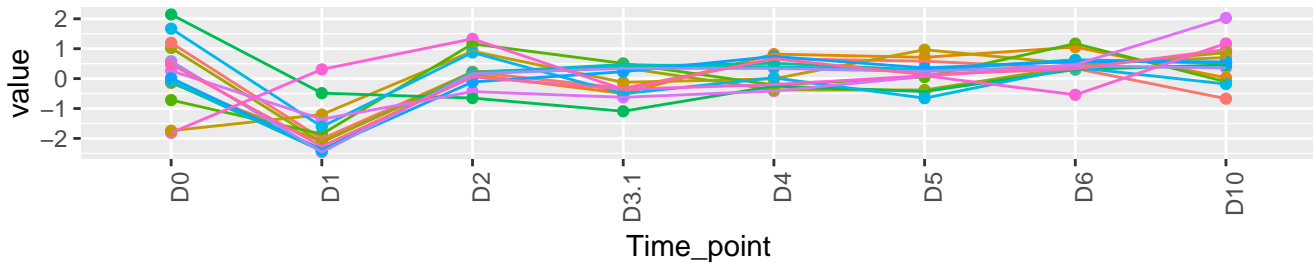
15 genes – EC_KO-standardized



14 genes – FAP_WT-standardized

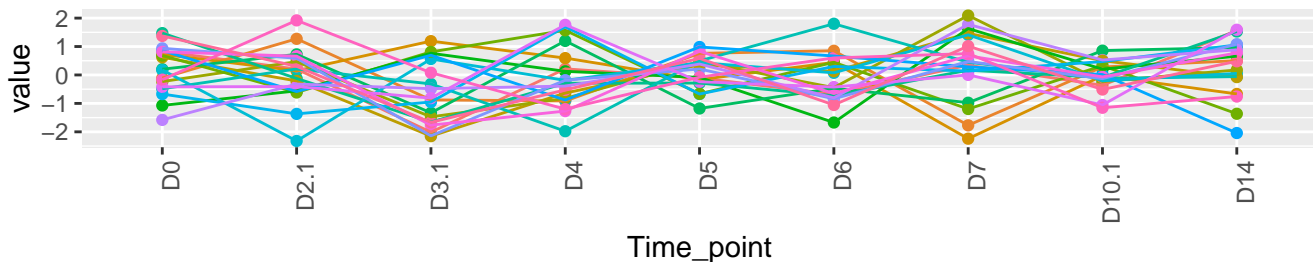


14 genes – FAP_KO-standardized

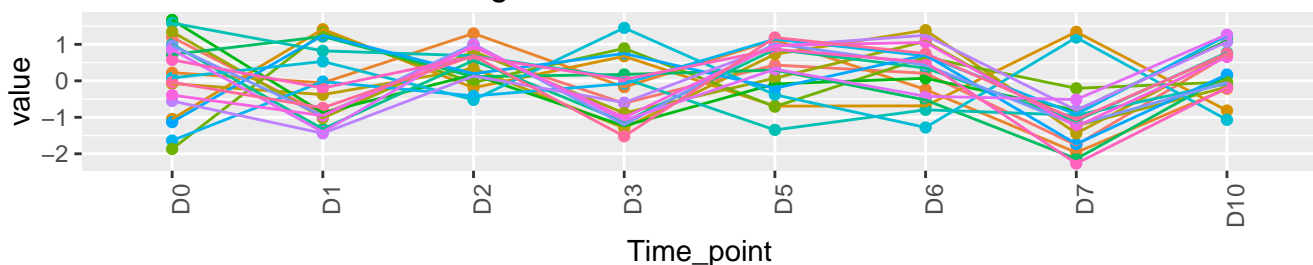


Amphetamine addiction

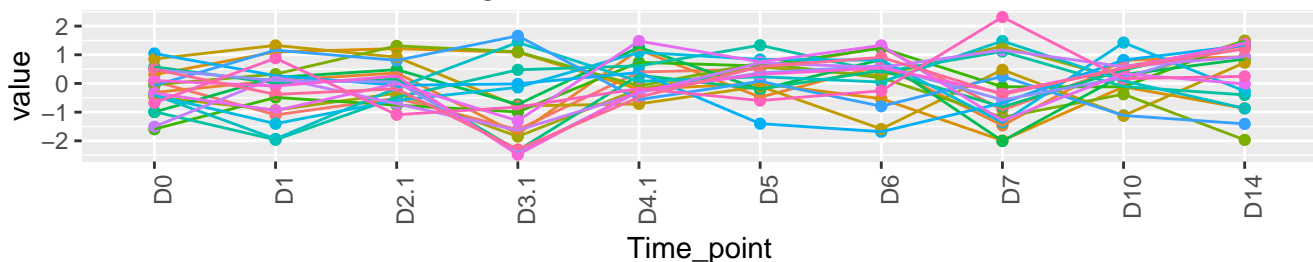
19 genes – EC_WT-standardized



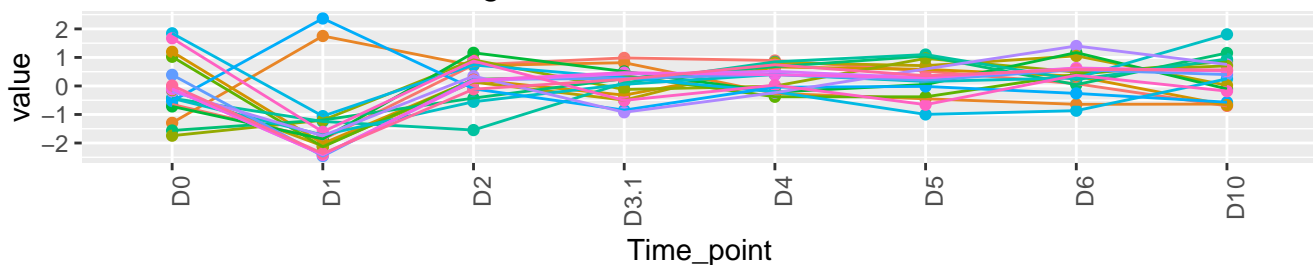
19 genes – EC_KO-standardized



20 genes – FAP_WT-standardized

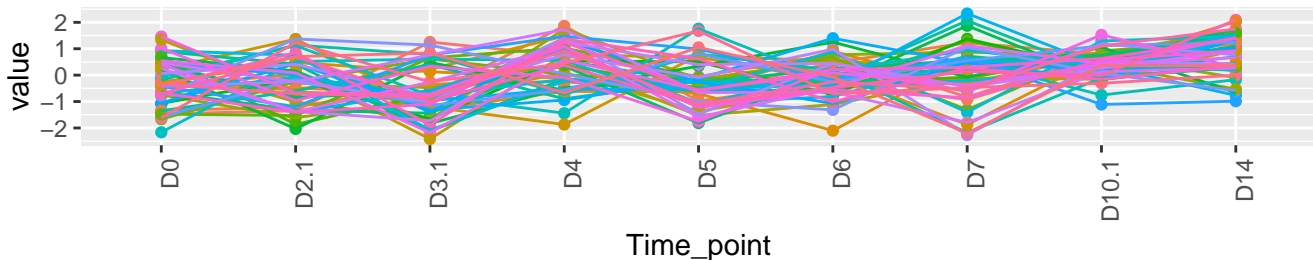


18 genes – FAP_KO-standardized

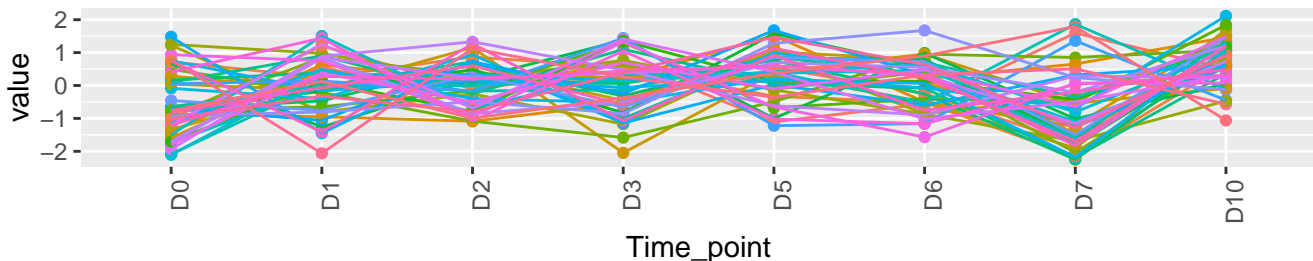


Phosphatidylinositol signaling system

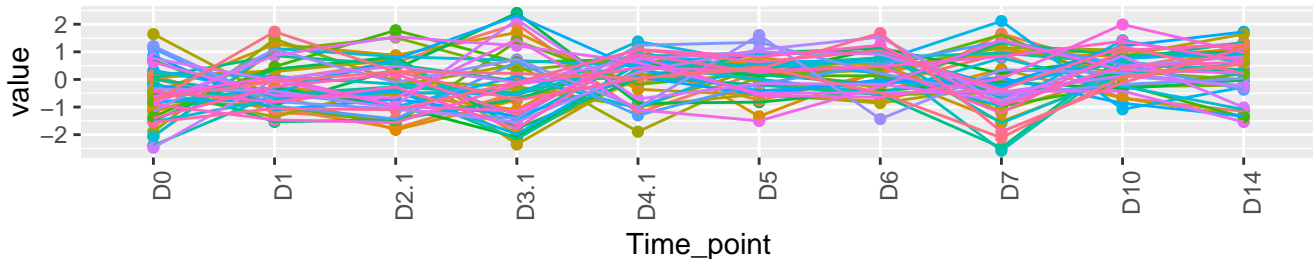
48 genes – EC_WT-standardized



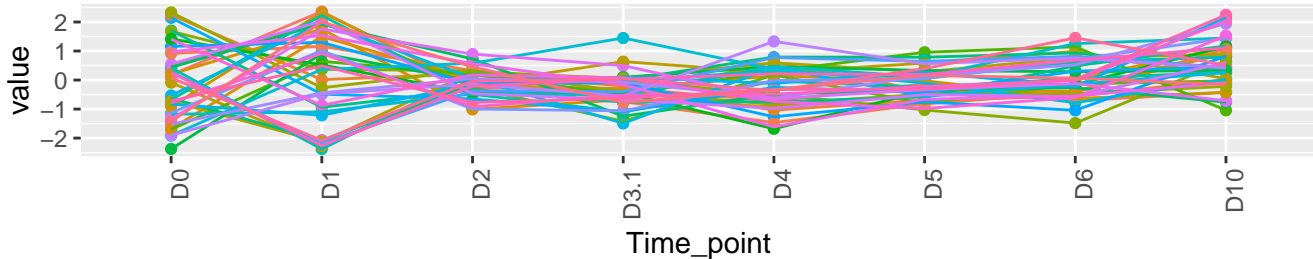
46 genes – EC_KO-standardized



44 genes – FAP_WT-standardized

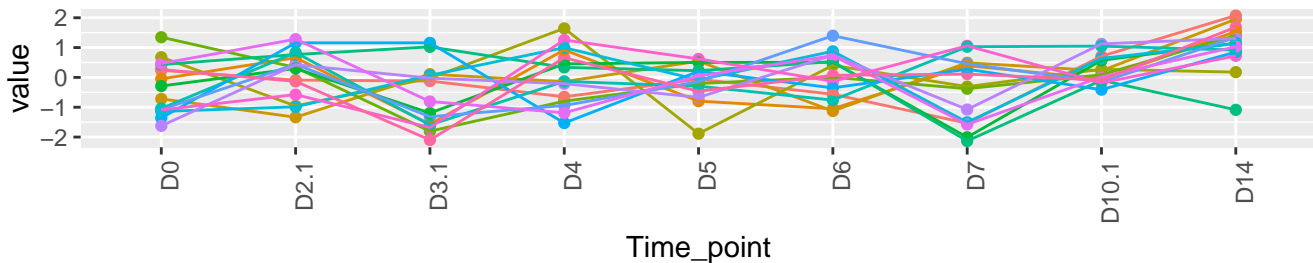


38 genes – FAP_KO-standardized

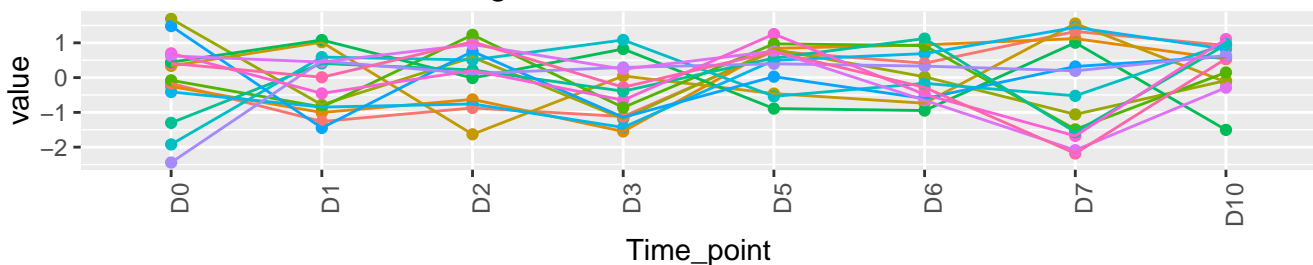


Non-small cell lung cancer.ErbB2-1;18

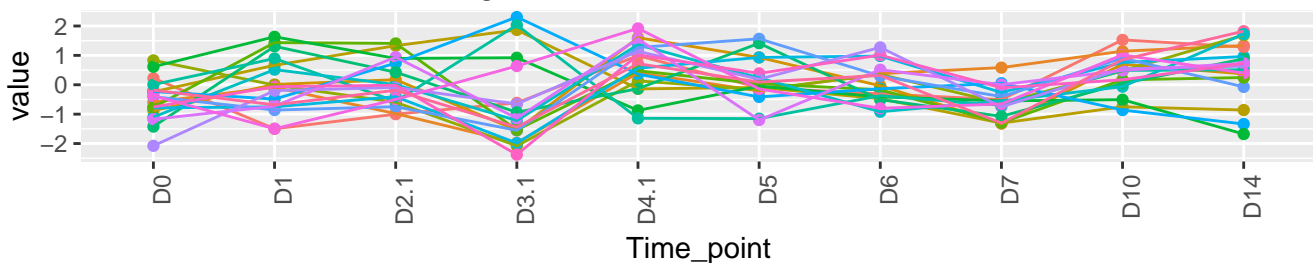
15 genes – EC_WT-standardized



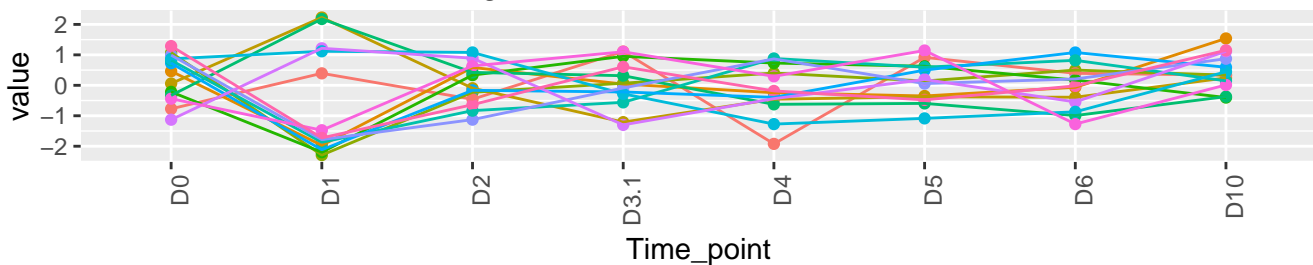
14 genes – EC_KO-standardized



18 genes – FAP_WT-standardized

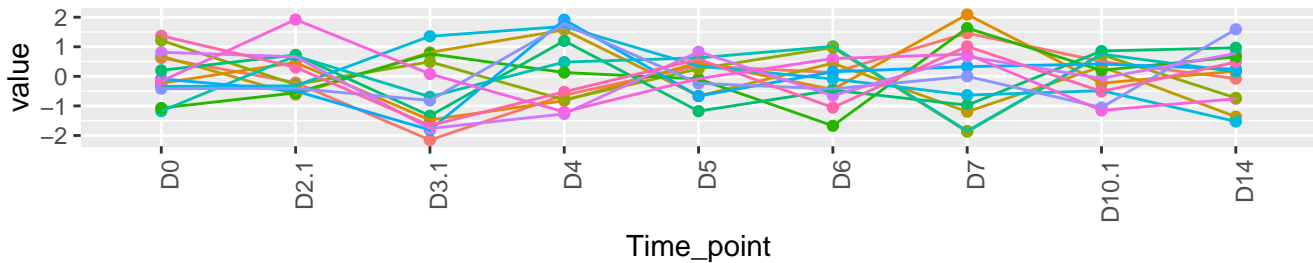


13 genes – FAP_KO-standardized

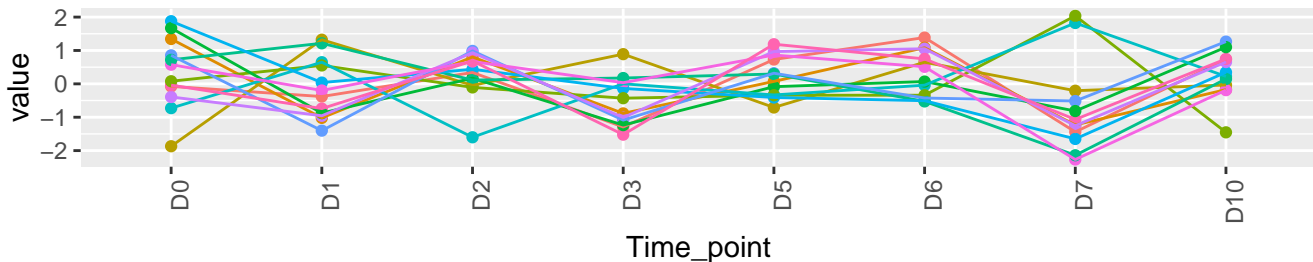


Oxytocin signaling pathway.Calm1-1;22

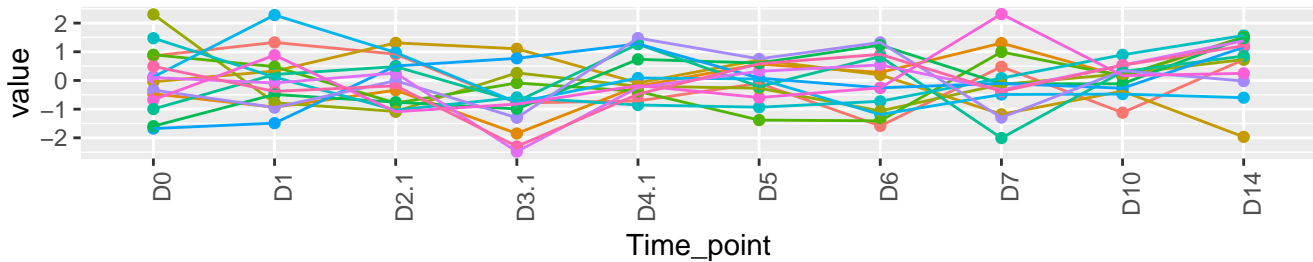
13 genes – EC_WT-standardized



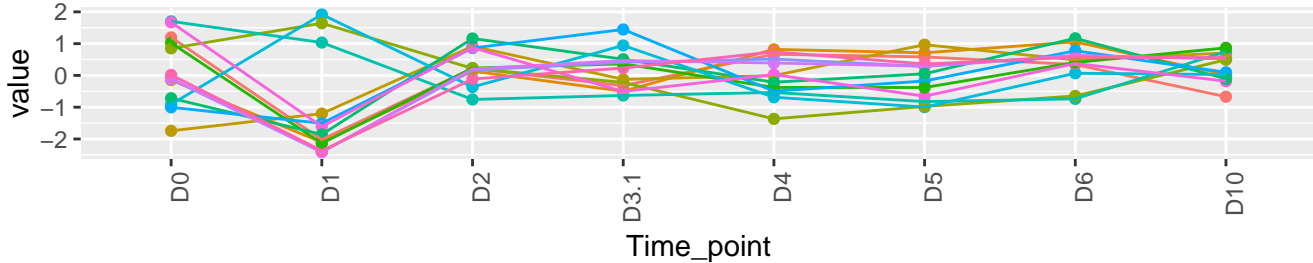
12 genes – EC_KO-standardized



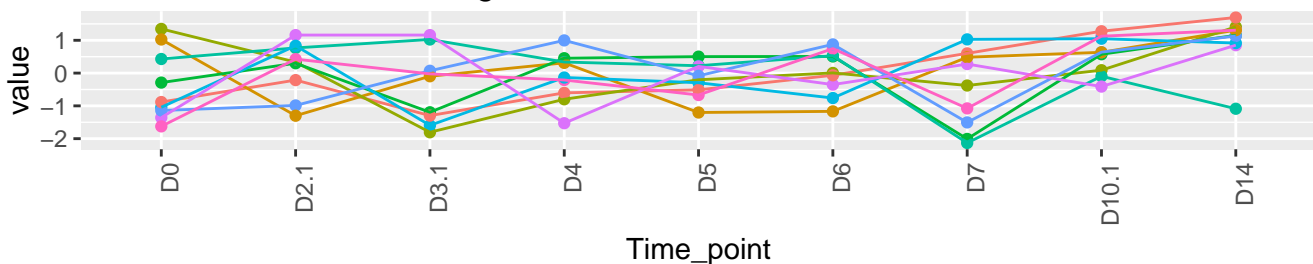
14 genes – FAP_WT-standardized



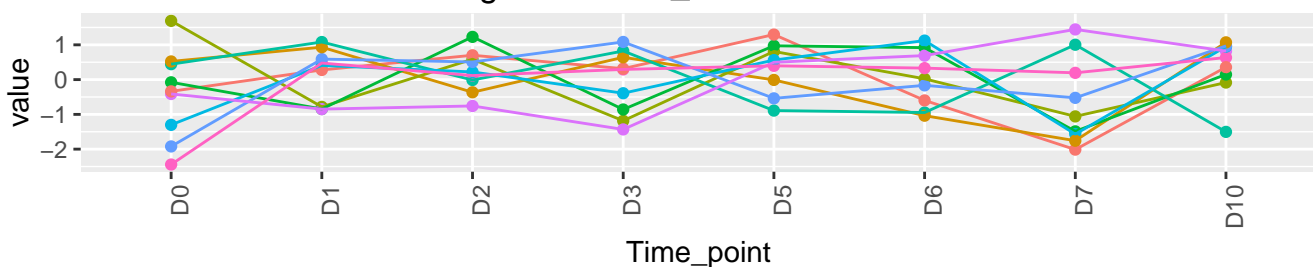
13 genes – FAP_KO-standardized



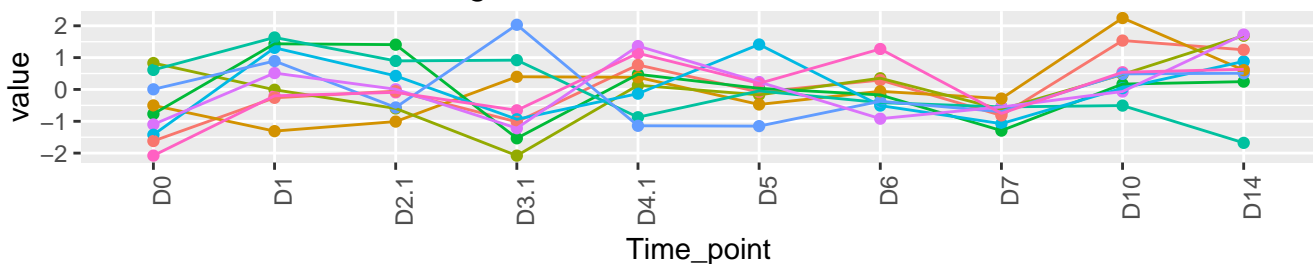
9 genes – EC_WT-standardized



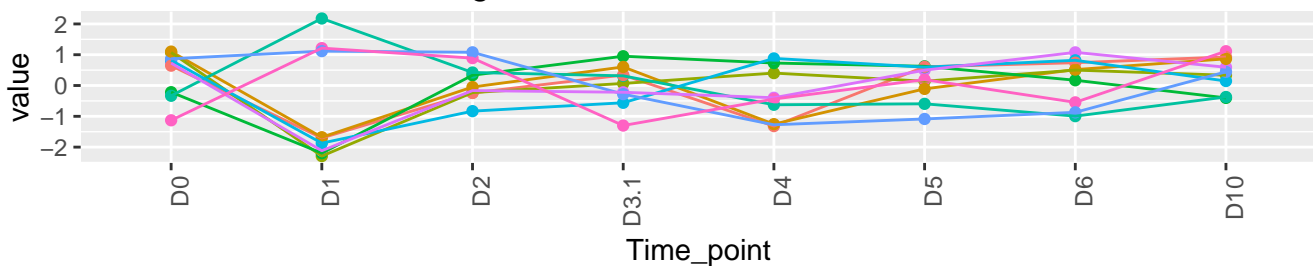
9 genes – EC_KO-standardized



9 genes – FAP_WT-standardized

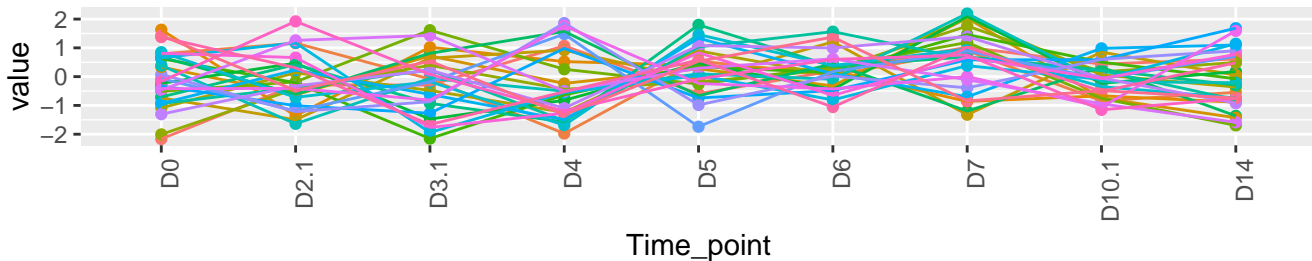


9 genes – FAP_KO-standardized

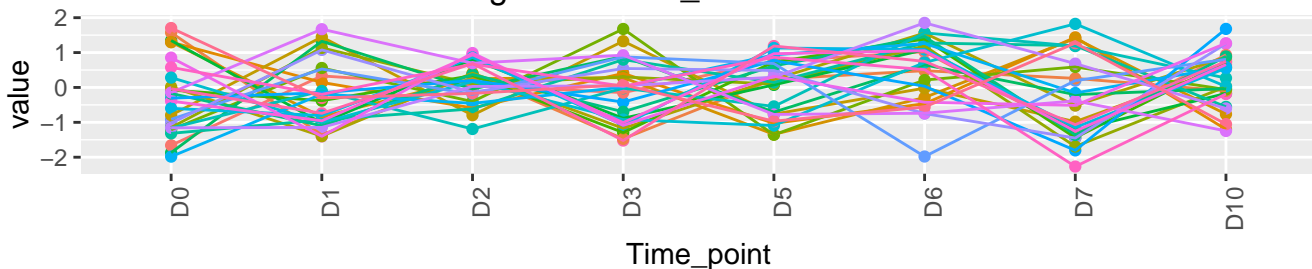


Oocyte meiosis

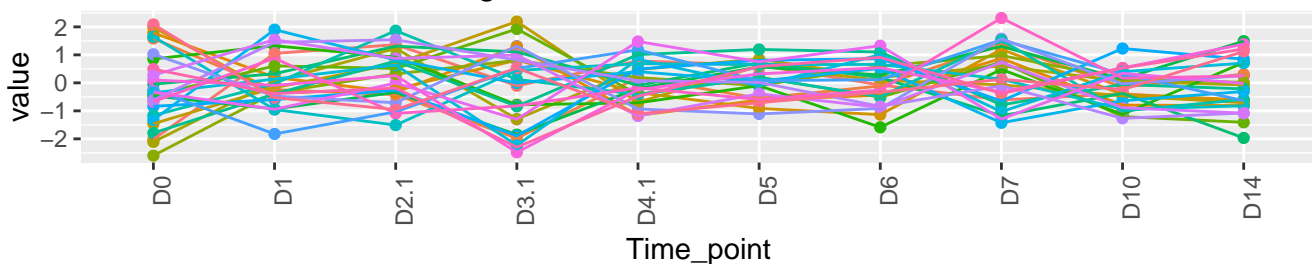
27 genes – EC_WT-standardized



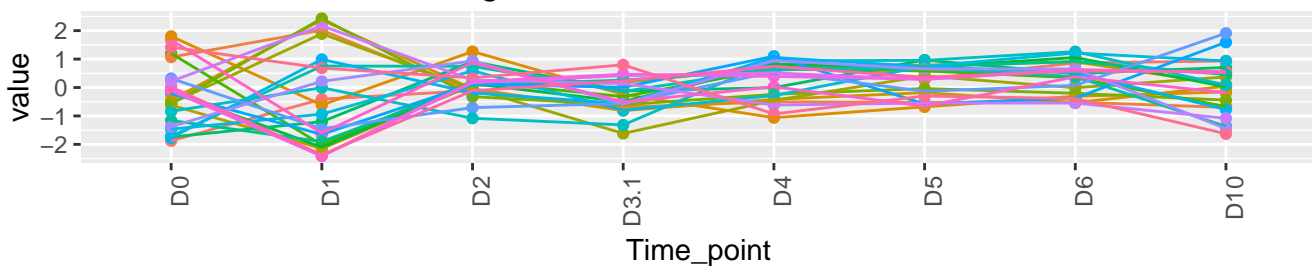
27 genes – EC_KO-standardized



26 genes – FAP_WT-standardized

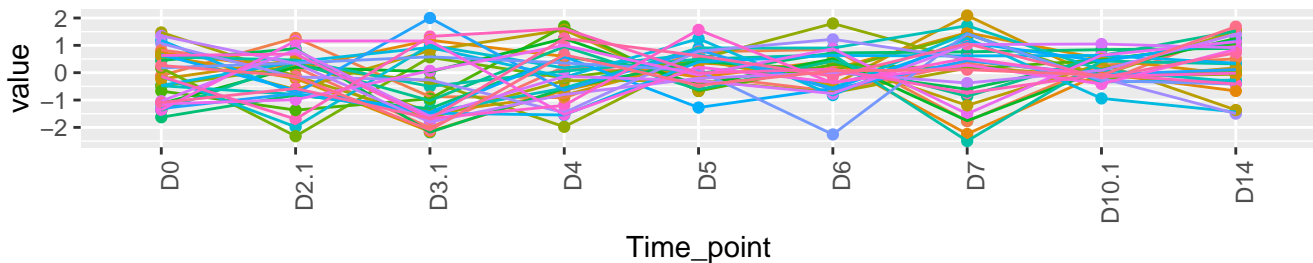


24 genes – FAP_KO-standardized

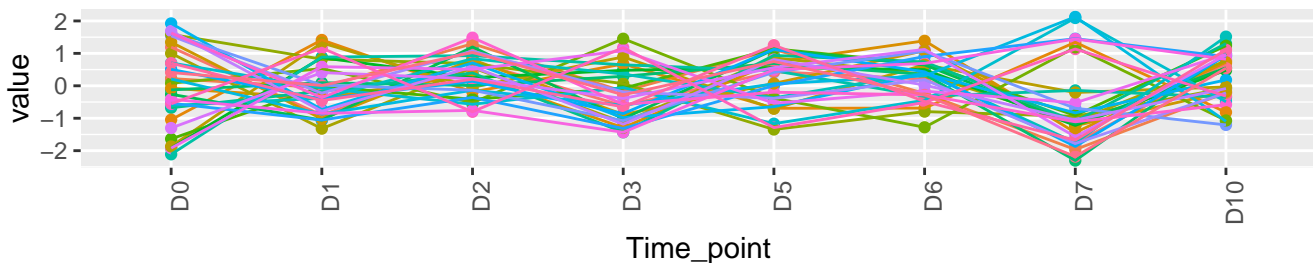


Alcoholism

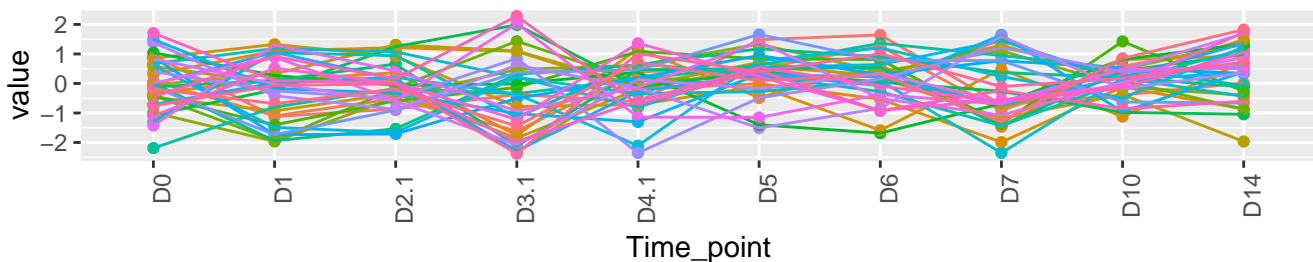
31 genes – EC_WT-standardized



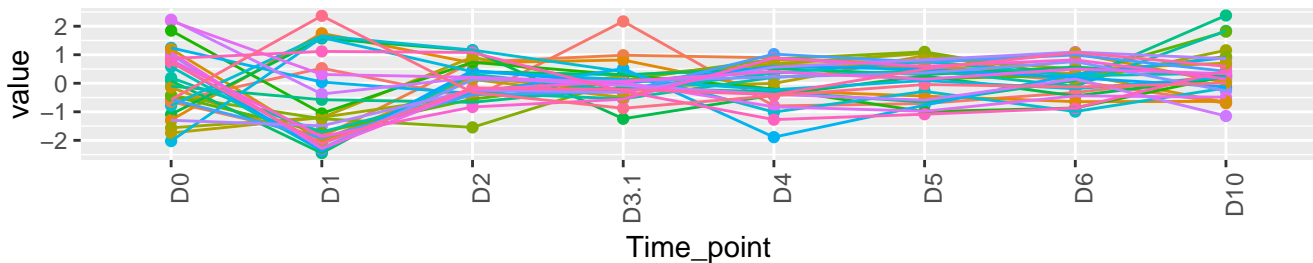
31 genes – EC_KO-standardized



34 genes – FAP_WT-standardized

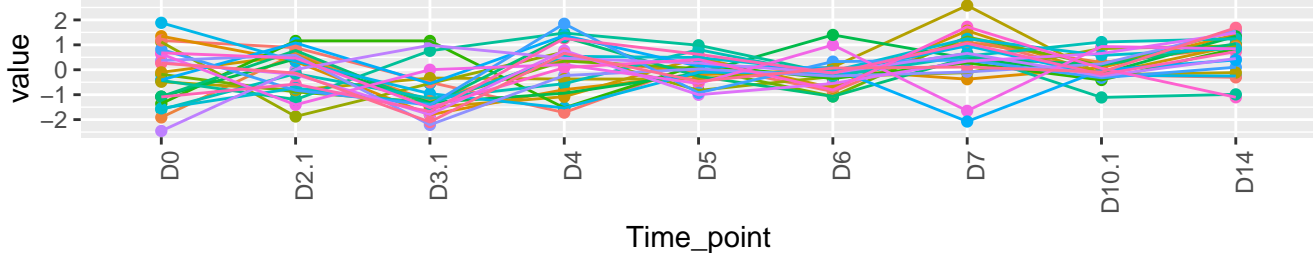


29 genes – FAP_KO-standardized

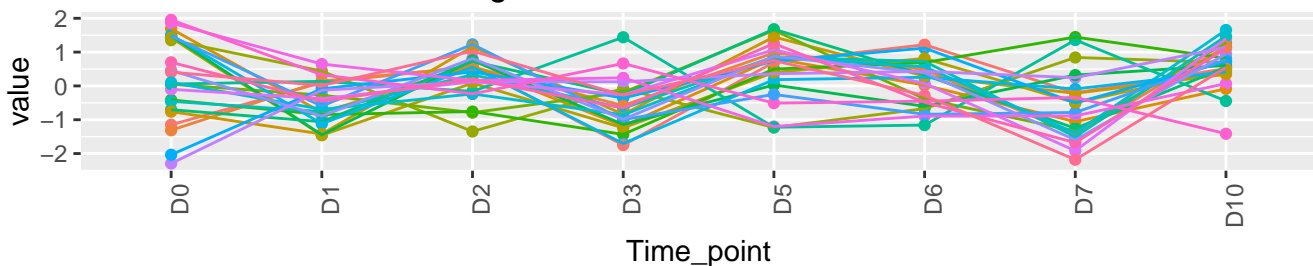


Ras signaling pathway.Rasa1-1;24

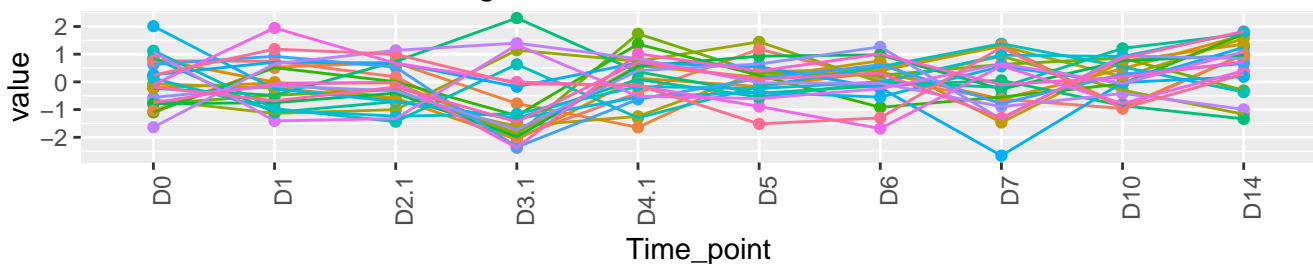
23 genes – EC_WT-standardized



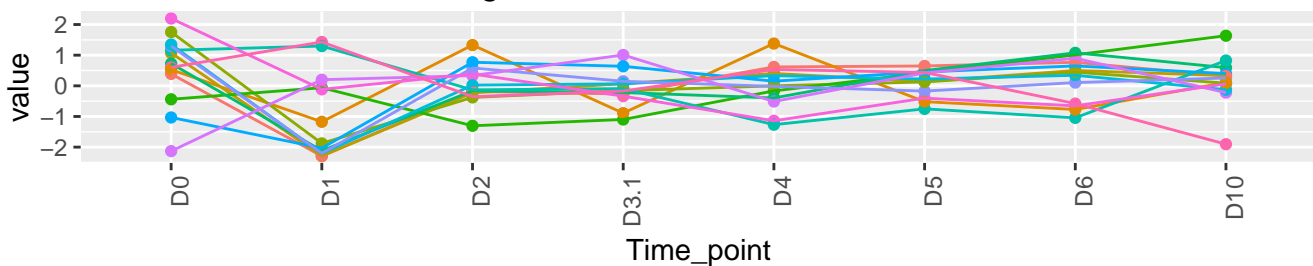
23 genes – EC_KO-standardized



23 genes – FAP_WT-standardized

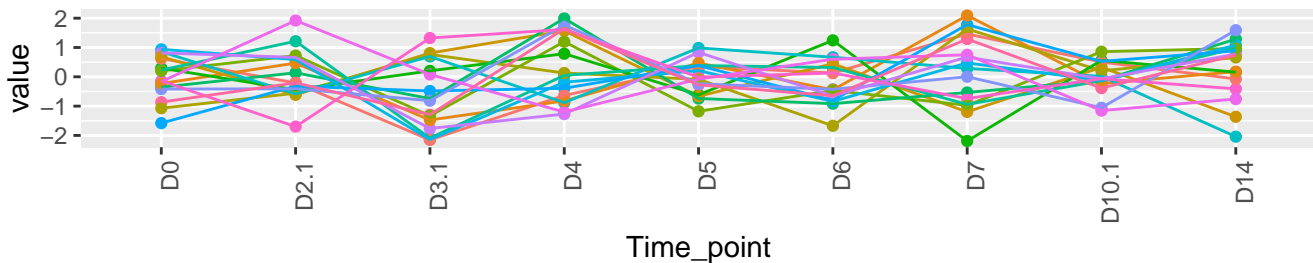


13 genes – FAP_KO-standardized

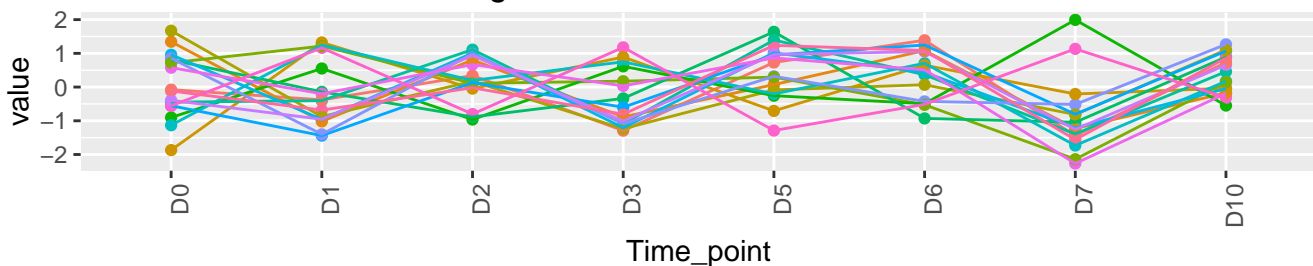


Dopaminergic synapse

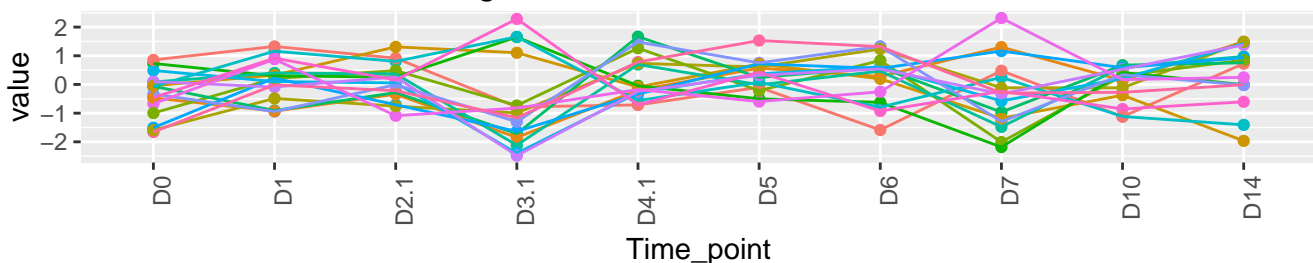
16 genes – EC_WT-standardized



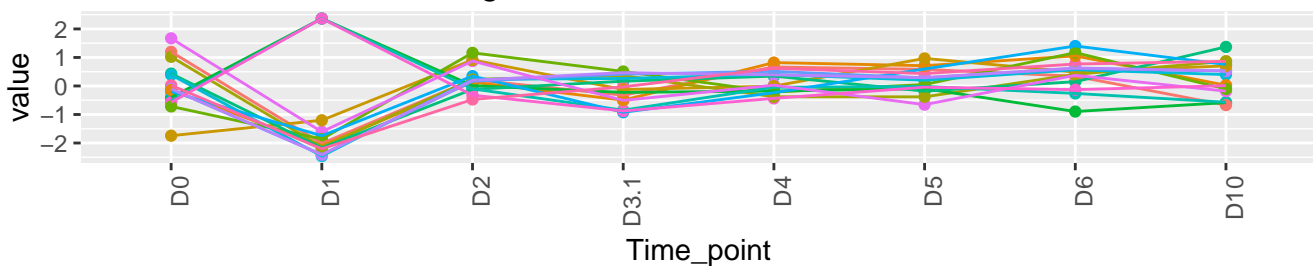
16 genes – EC_KO-standardized



16 genes – FAP_WT-standardized

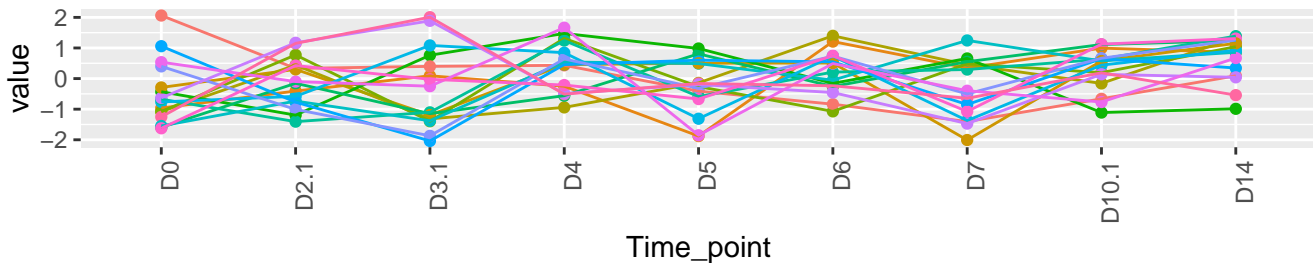


15 genes – FAP_KO-standardized

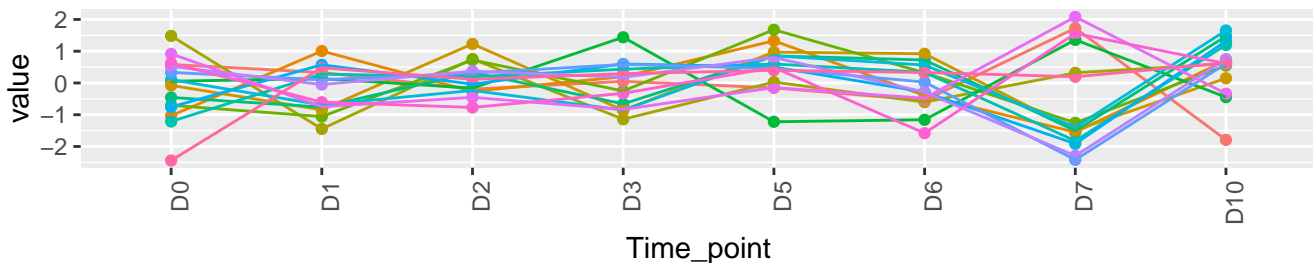


Fc gamma R-mediated phagocytosis

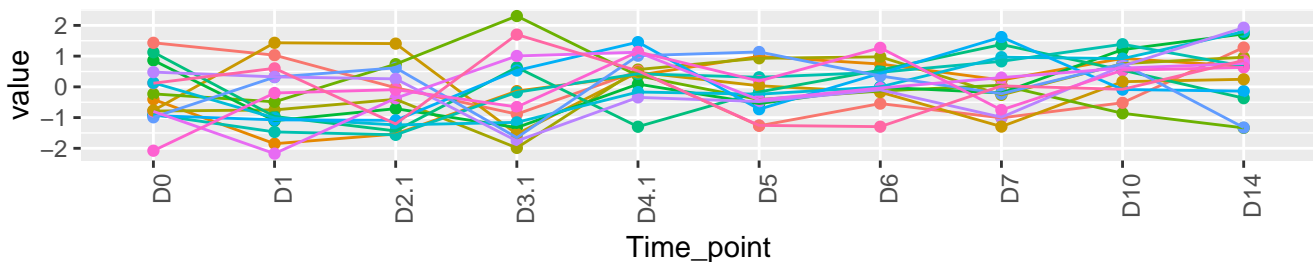
16 genes – EC_WT-standardized



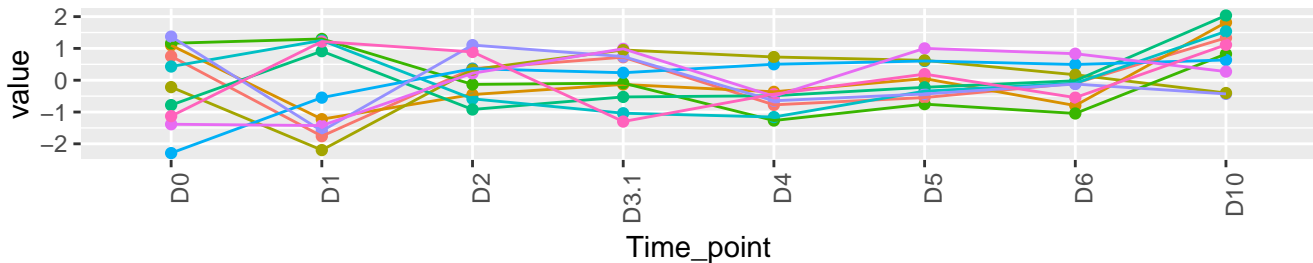
15 genes – EC_KO-standardized



15 genes – FAP_WT-standardized

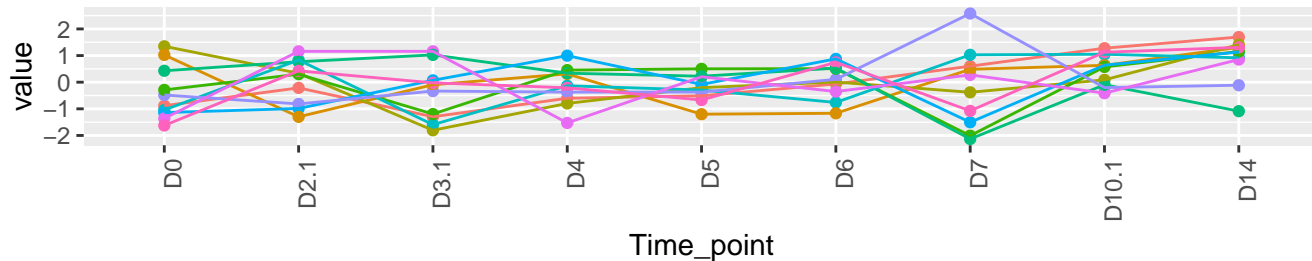


10 genes – FAP_KO-standardized

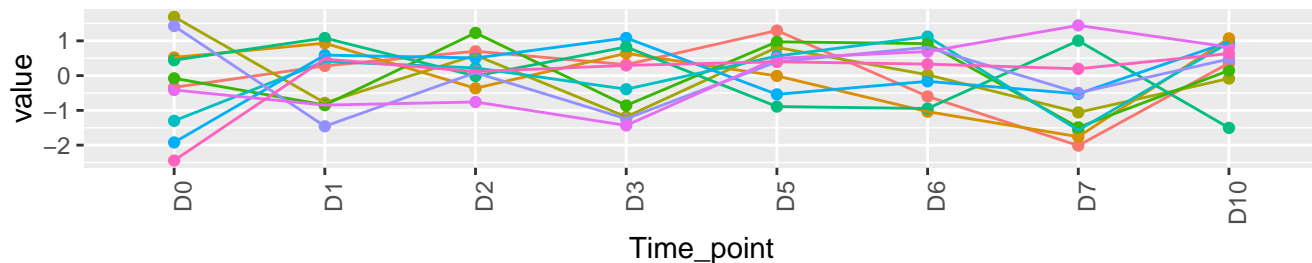


T cell receptor signaling pathway.Nras-1;4

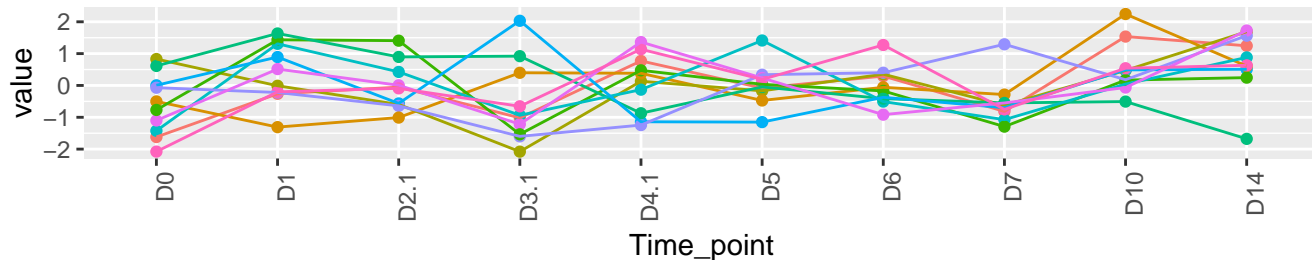
10 genes – EC_WT-standardized



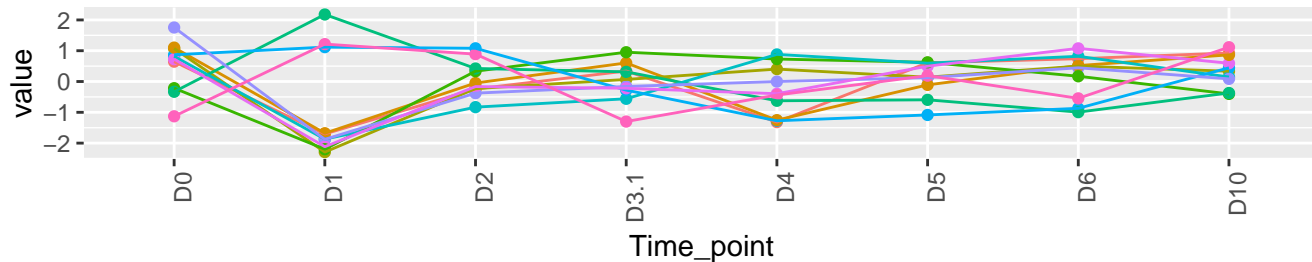
10 genes – EC_KO-standardized



10 genes – FAP_WT-standardized

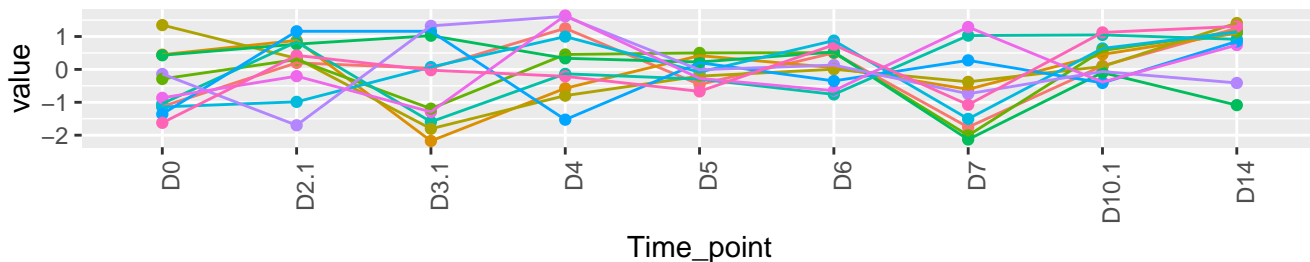


10 genes – FAP_KO-standardized

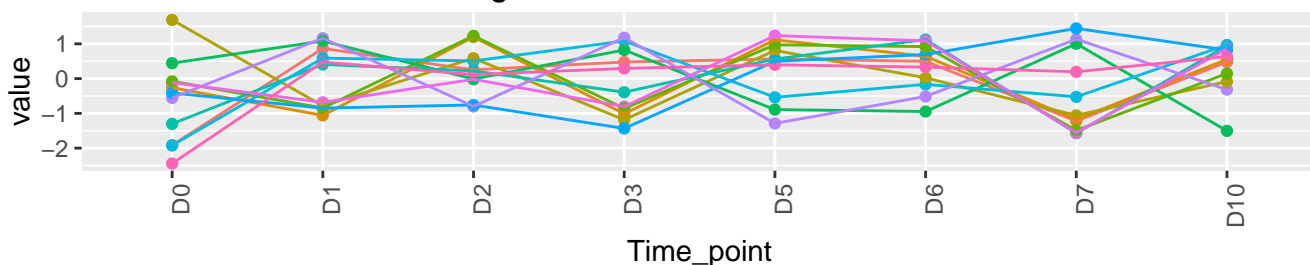


Gap junction.Csnk1d-1;8

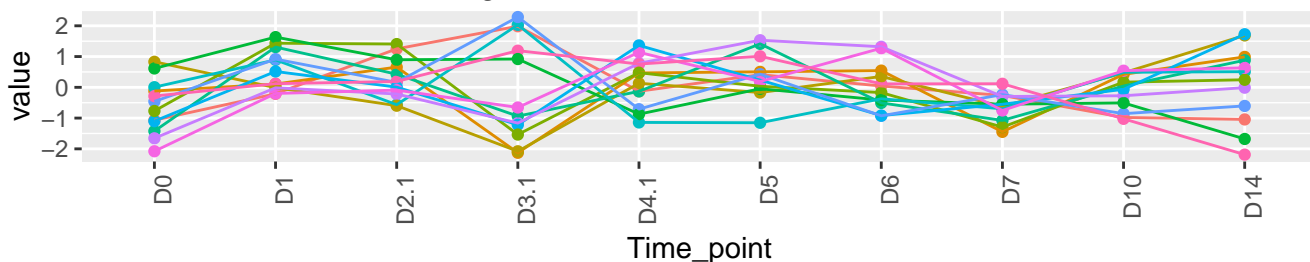
11 genes – EC_WT-standardized



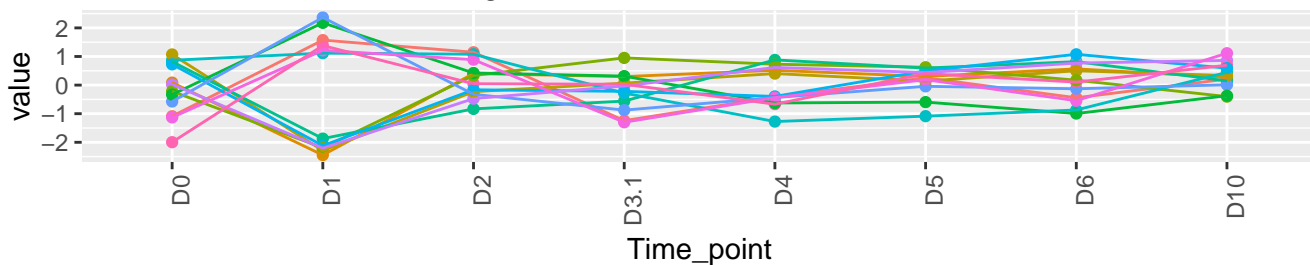
11 genes – EC_KO-standardized



12 genes – FAP_WT-standardized

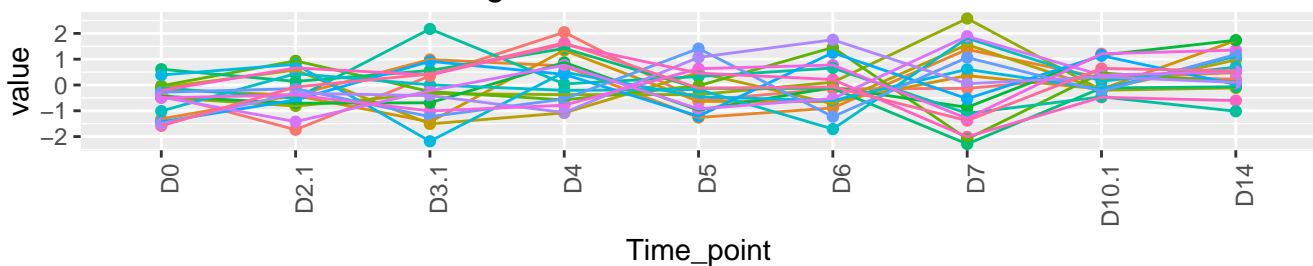


12 genes – FAP_KO-standardized

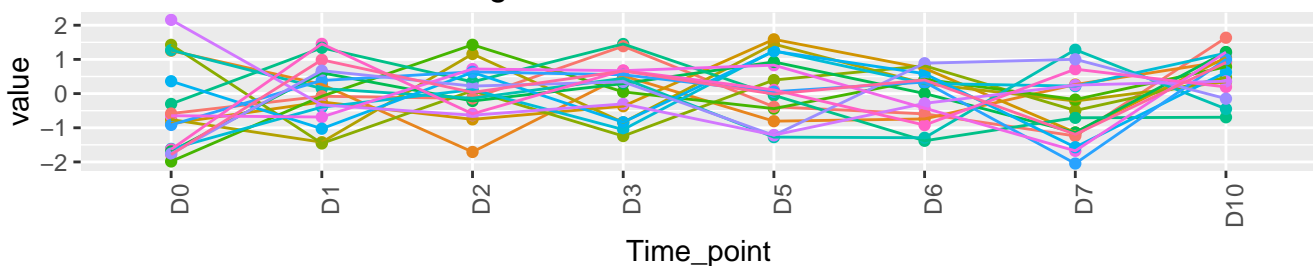


Insulin resistance.Tnfrsf1a-1;20

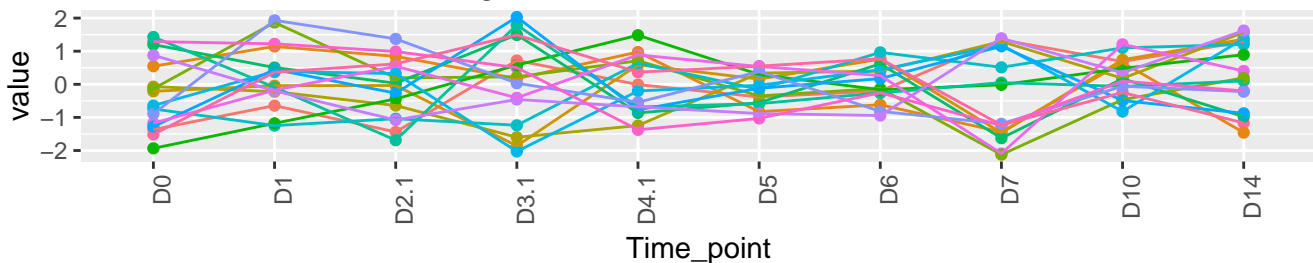
18 genes – EC_WT-standardized



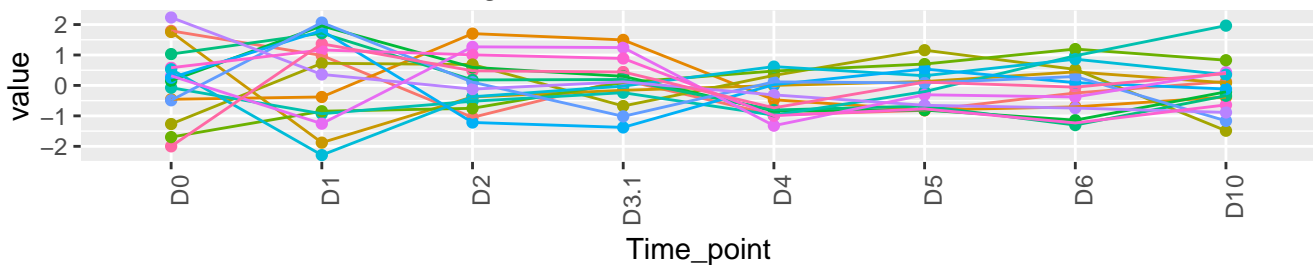
17 genes – EC_KO-standardized



16 genes – FAP_WT-standardized

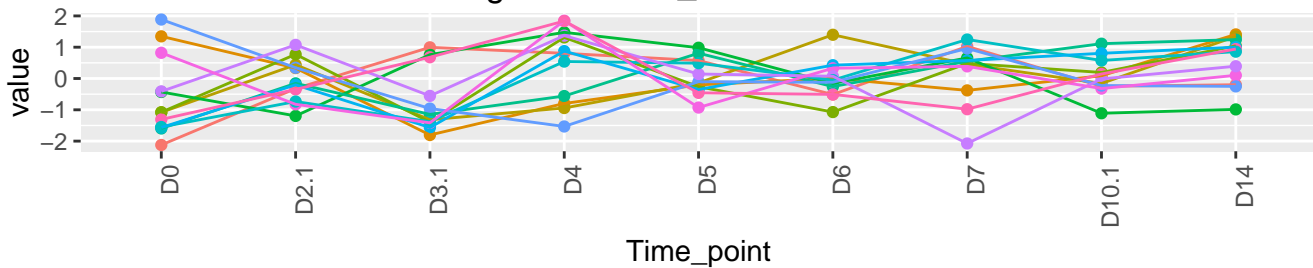


15 genes – FAP_KO-standardized

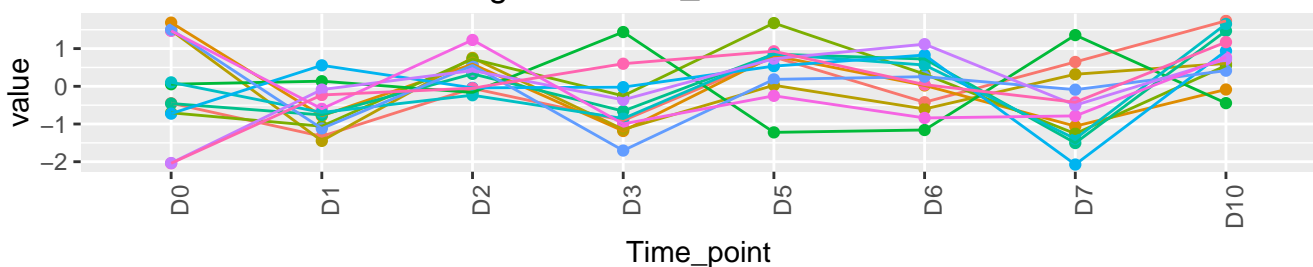


Pancreatic cancer.Kras-1;14

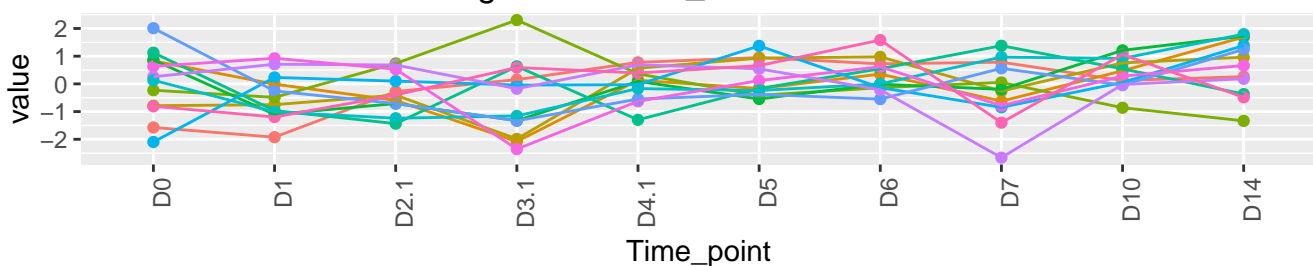
12 genes – EC_WT-standardized



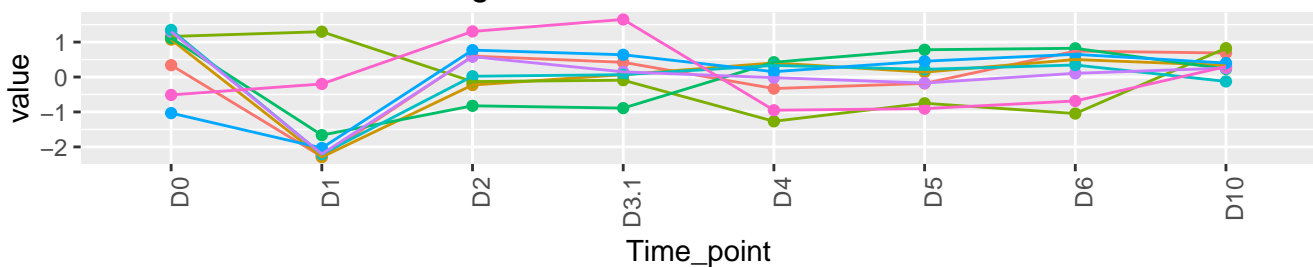
12 genes – EC_KO-standardized



12 genes – FAP_WT-standardized

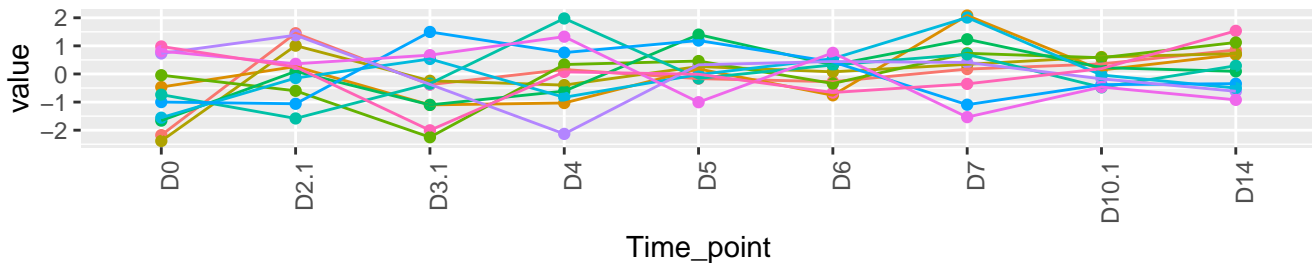


8 genes – FAP_KO-standardized

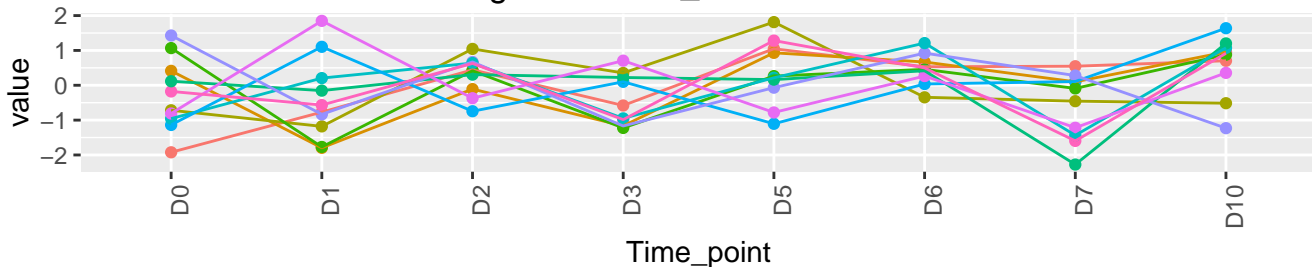


Apoptosis

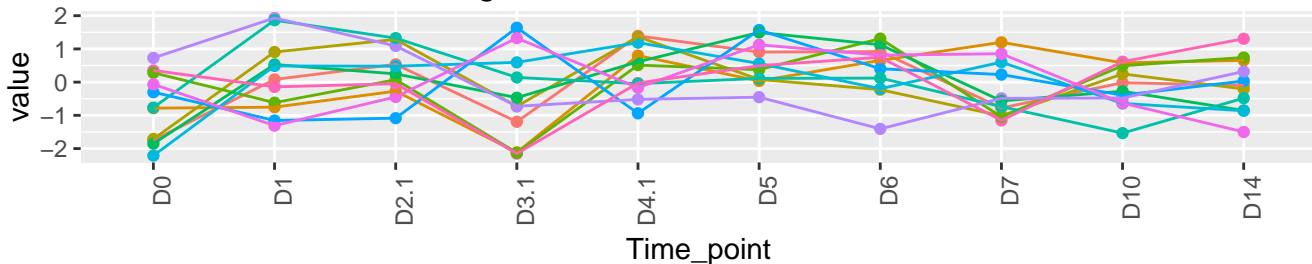
11 genes – EC_WT-standardized



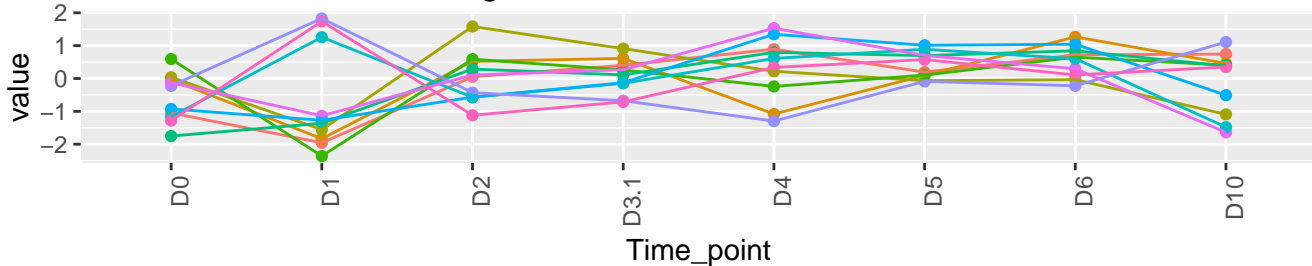
10 genes – EC_KO-standardized



11 genes – FAP_WT-standardized

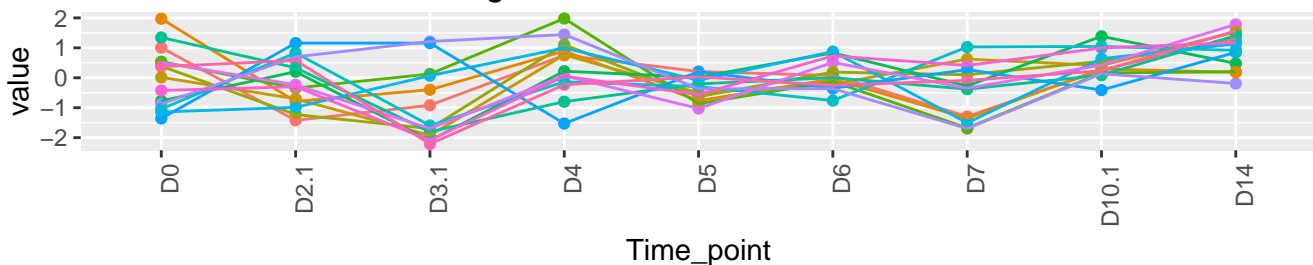


10 genes – FAP_KO-standardized

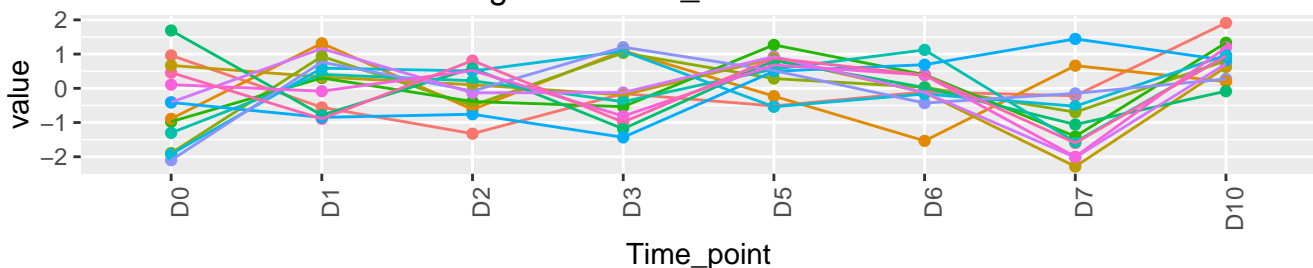


Axon guidance.Fes-1;16

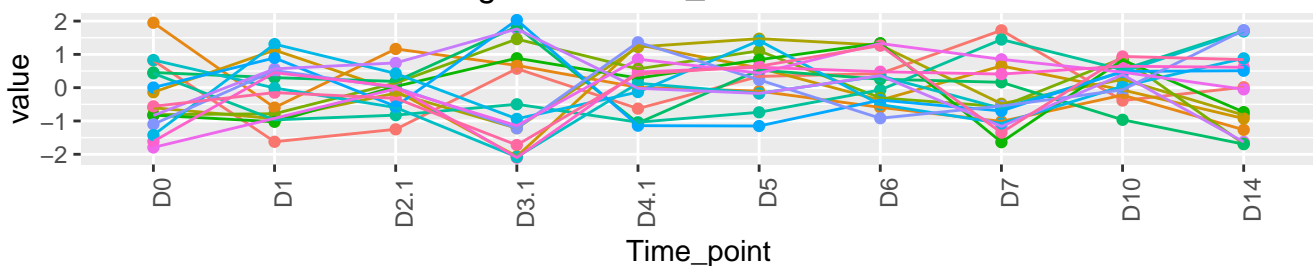
14 genes – EC_WT-standardized



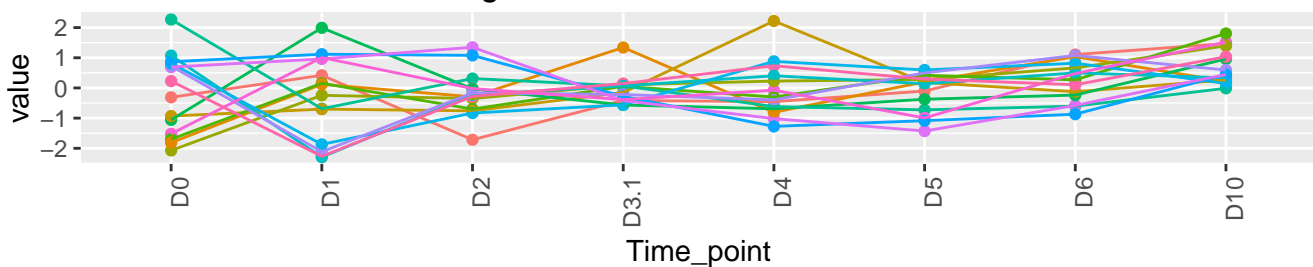
13 genes – EC_KO-standardized



16 genes – FAP_WT-standardized

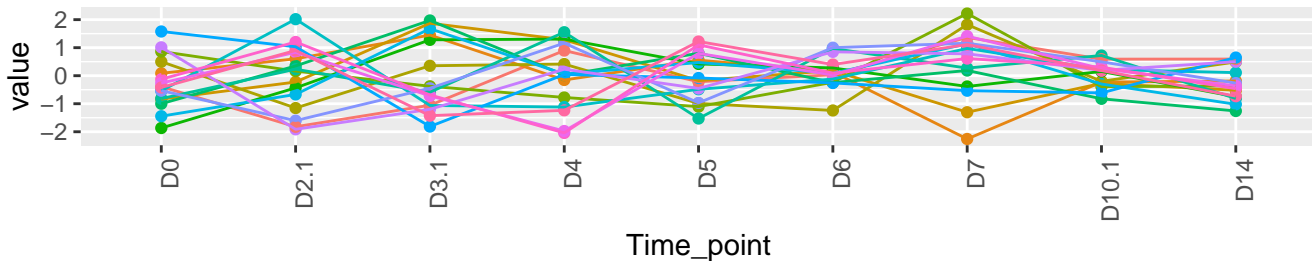


14 genes – FAP_KO-standardized

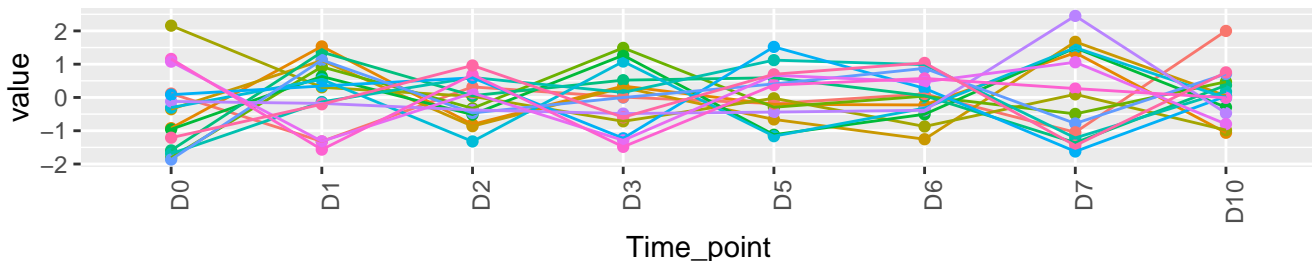


Starch and sucrose metabolism

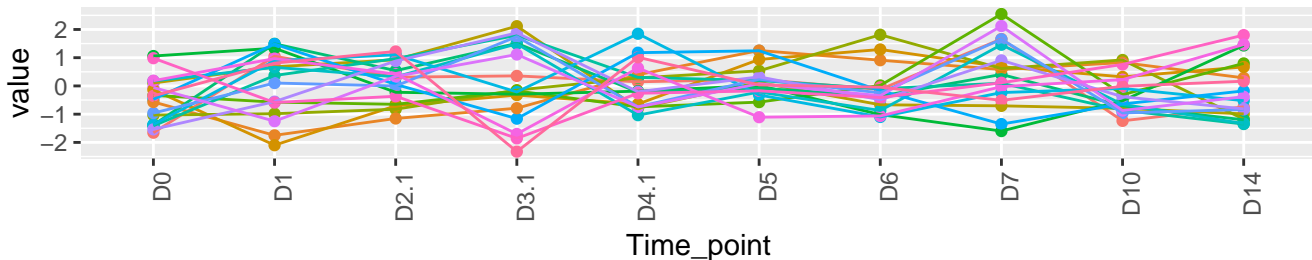
16 genes – EC_WT-standardized



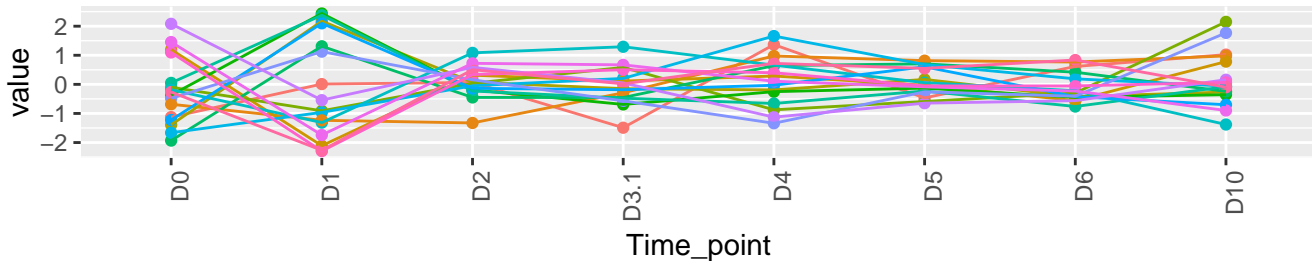
15 genes – EC_KO-standardized



18 genes – FAP_WT-standardized

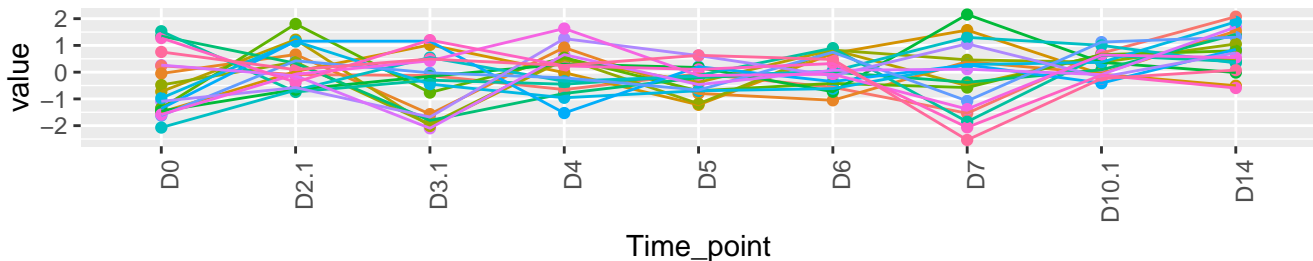


16 genes – FAP_KO-standardized

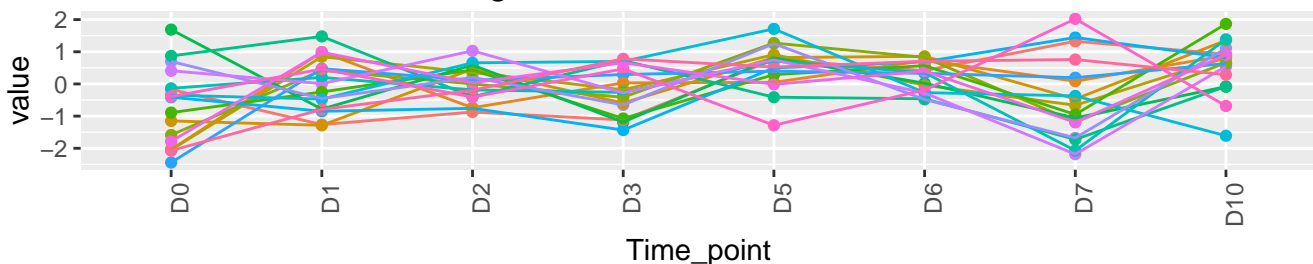


Hepatitis C.lfit1-2;14

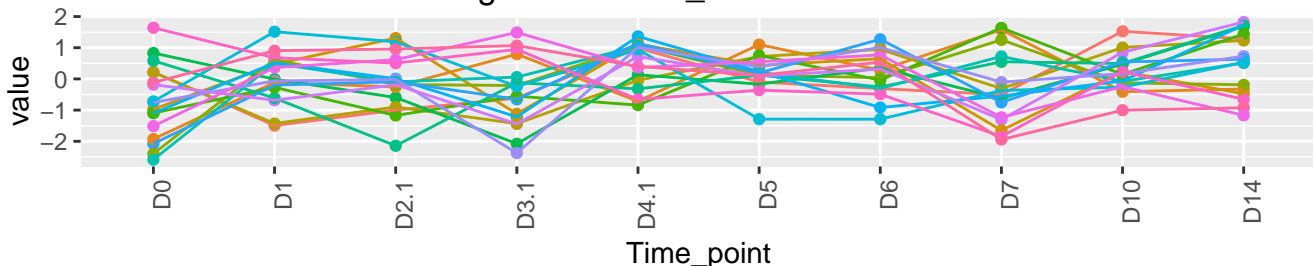
18 genes – EC_WT-standardized



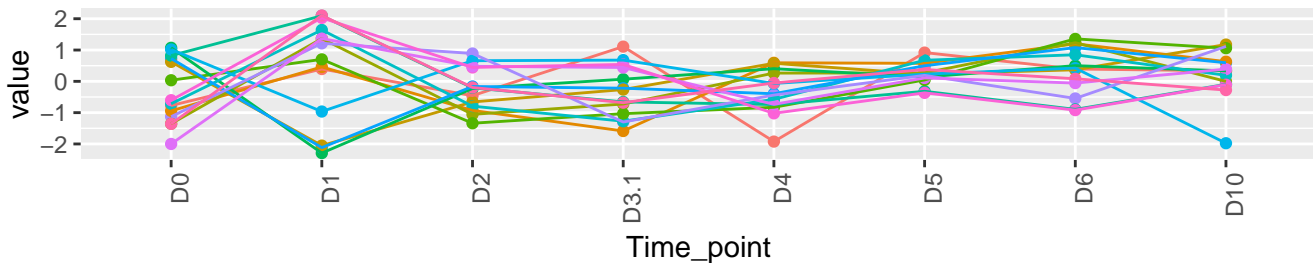
17 genes – EC_KO-standardized



17 genes – FAP_WT-standardized

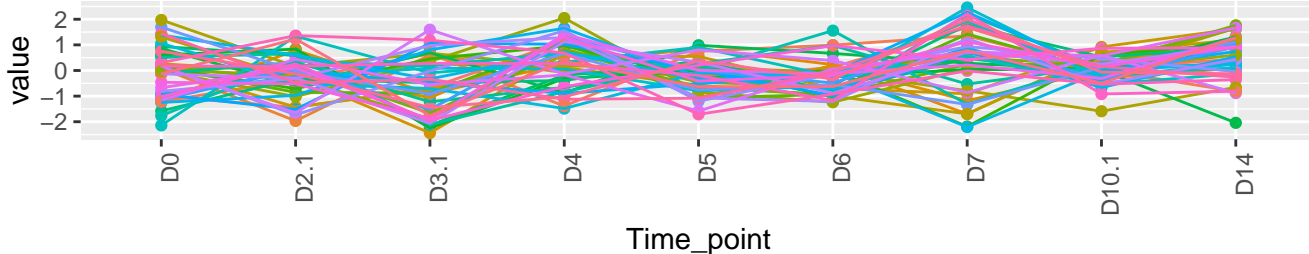


14 genes – FAP_KO-standardized

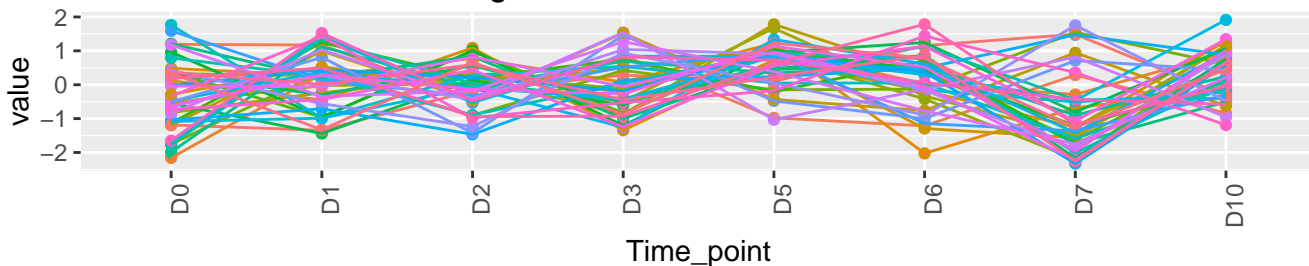


Hippo signaling pathway

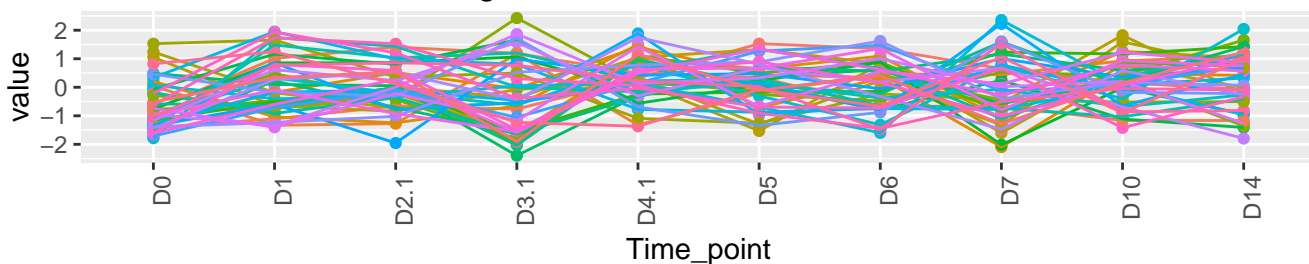
43 genes – EC_WT-standardized



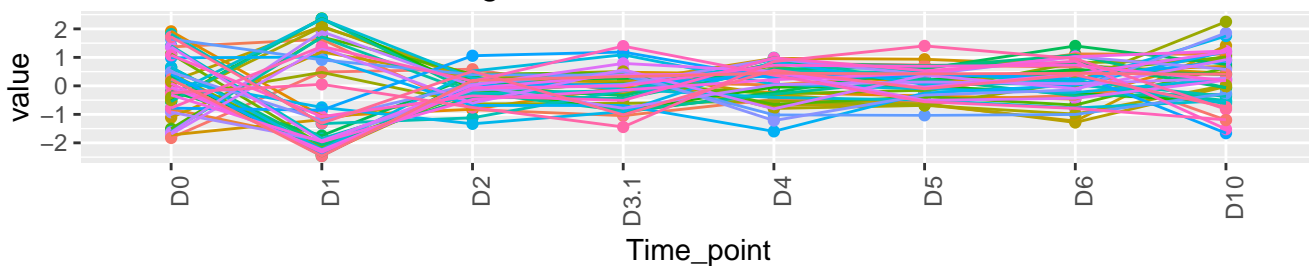
40 genes – EC_KO-standardized



43 genes – FAP_WT-standardized

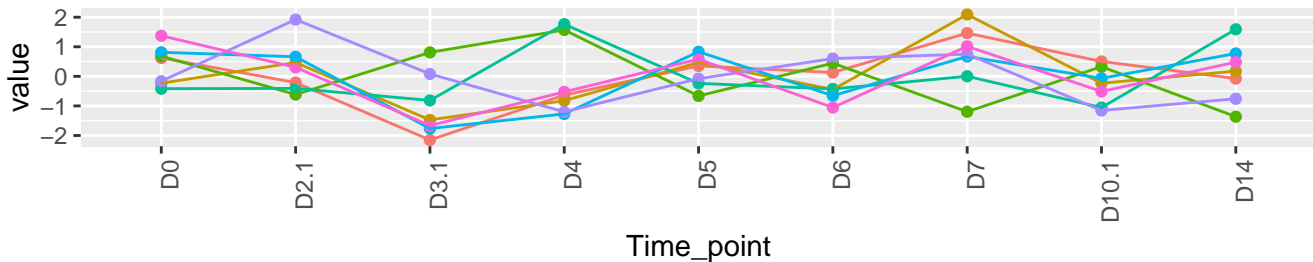


42 genes – FAP_KO-standardized

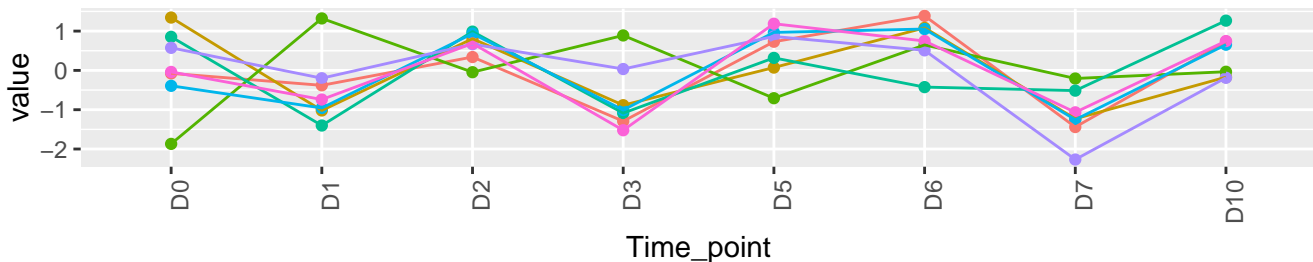


Renin secretion.Gnai2-9;12

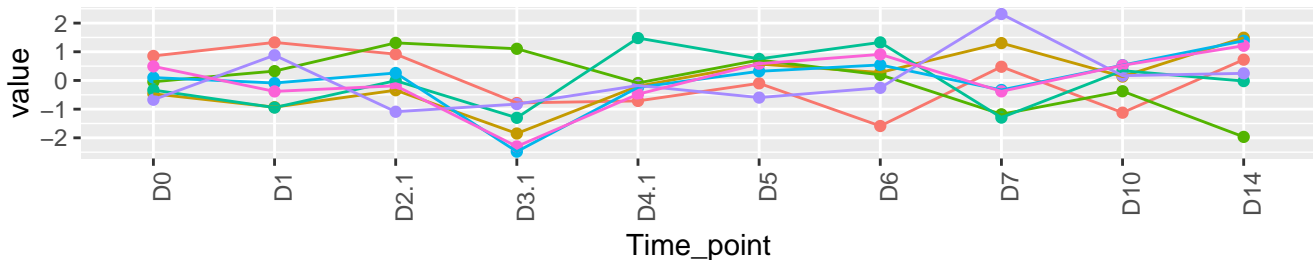
7 genes – EC_WT-standardized



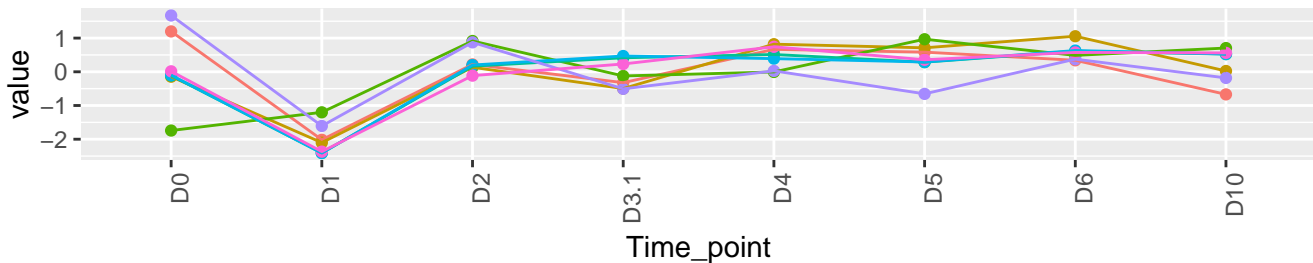
7 genes – EC_KO-standardized



7 genes – FAP_WT-standardized

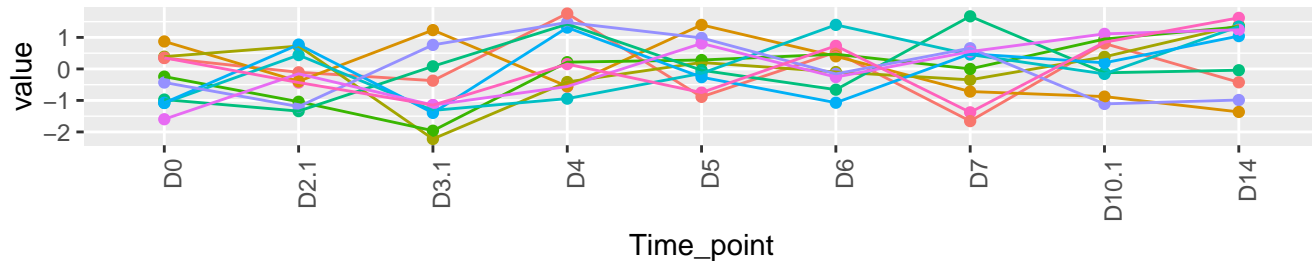


7 genes – FAP_KO-standardized

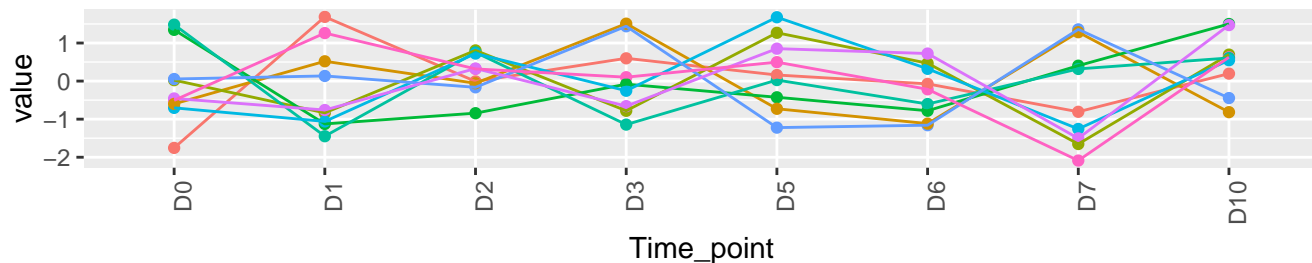


Renal cell carcinoma.Egln1-7;12

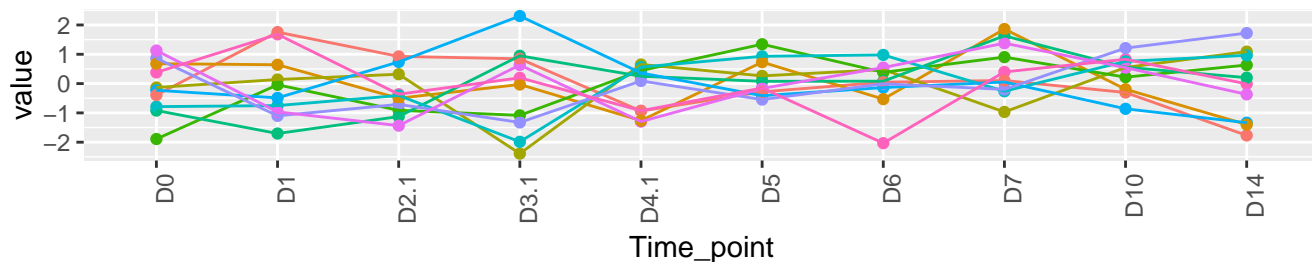
10 genes – EC_WT-standardized



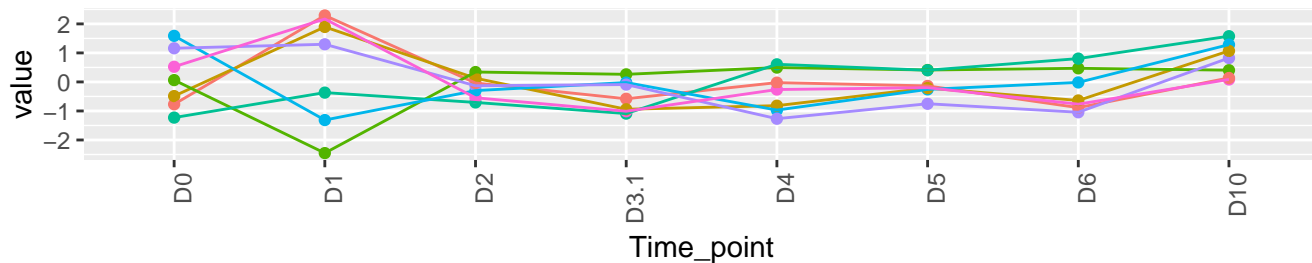
9 genes – EC_KO-standardized



10 genes – FAP_WT-standardized

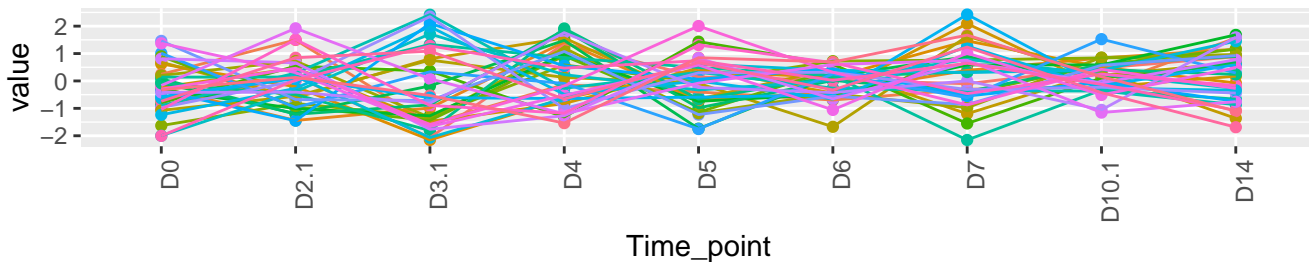


7 genes – FAP_KO-standardized

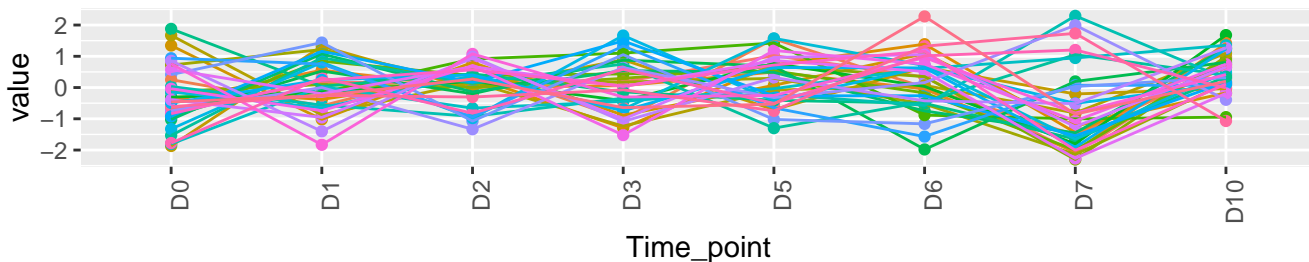


Calcium signaling pathway.Plce1-1;10

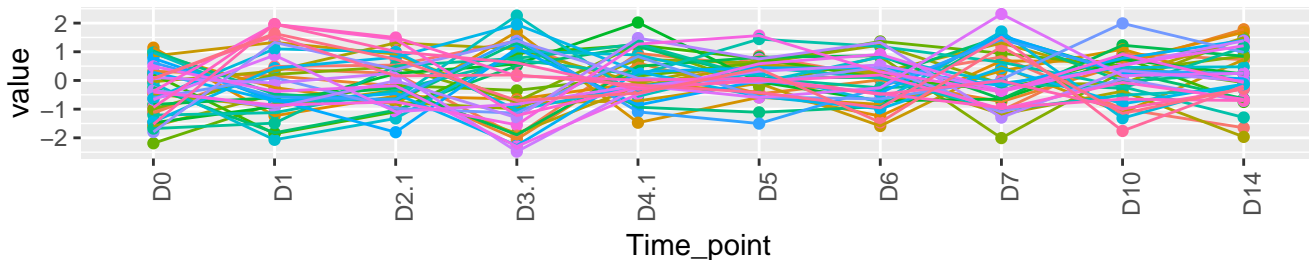
34 genes – EC_WT-standardized



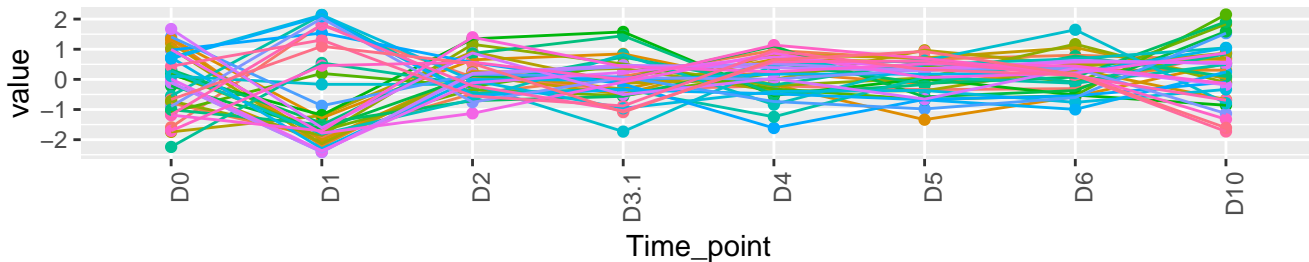
34 genes – EC_KO-standardized



37 genes – FAP_WT-standardized

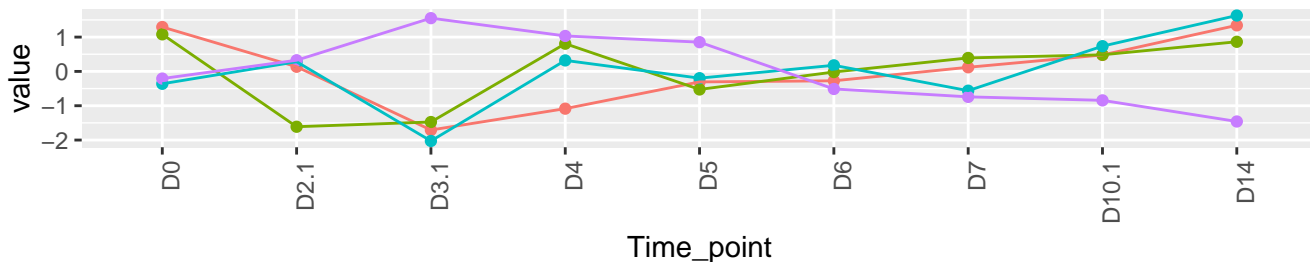


35 genes – FAP_KO-standardized

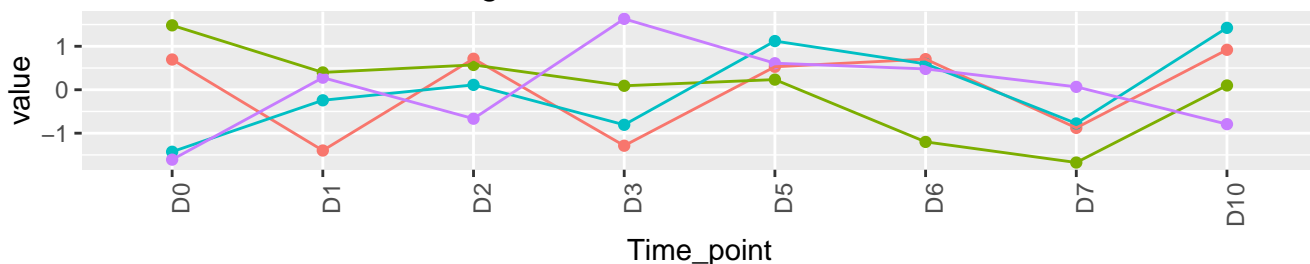


T cell receptor signaling pathway.Nras-25;27

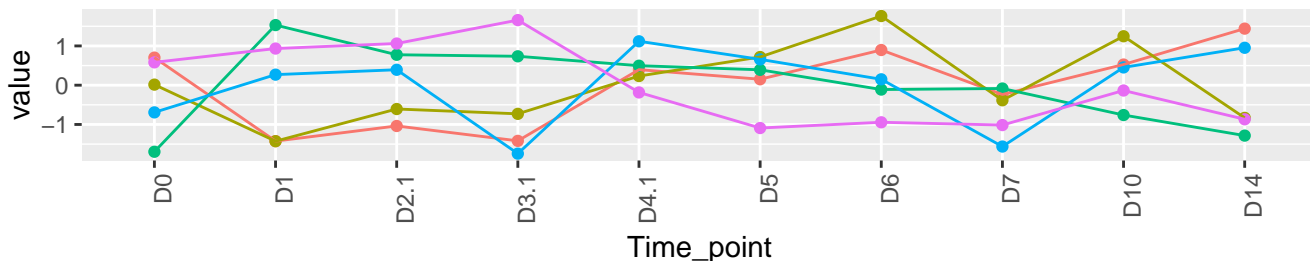
4 genes – EC_WT-standardized



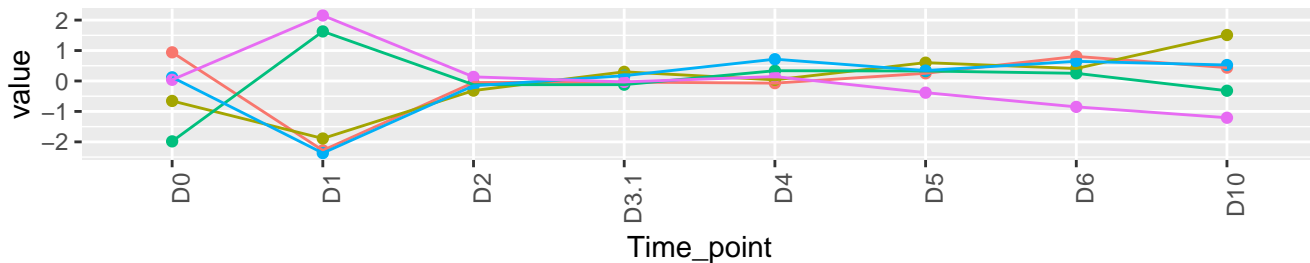
4 genes – EC_KO-standardized



5 genes – FAP_WT-standardized

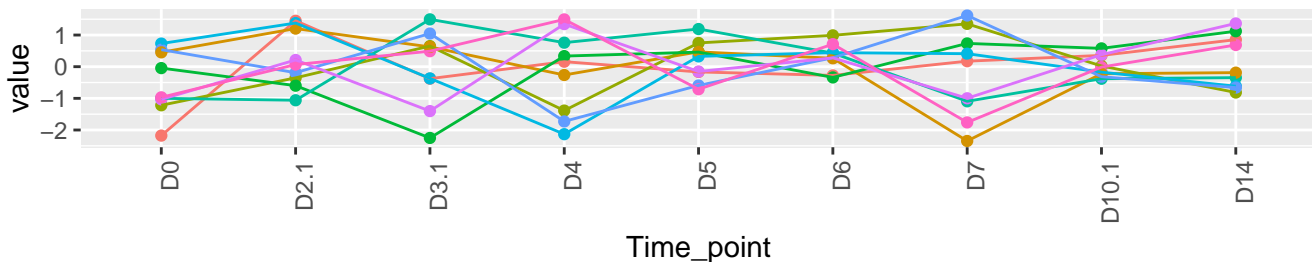


5 genes – FAP_KO-standardized

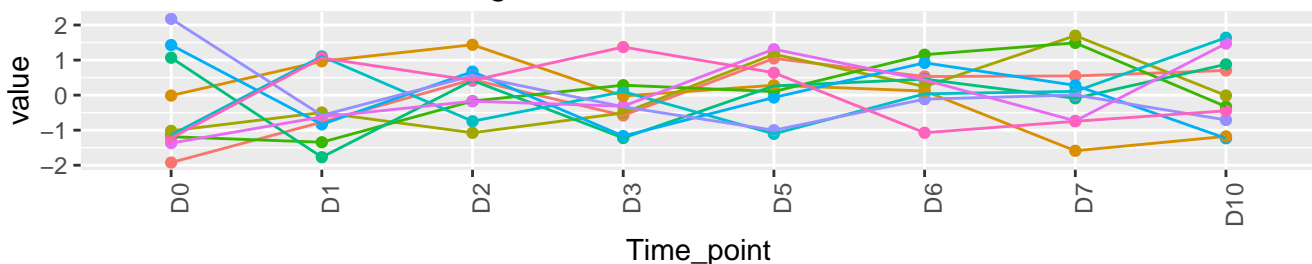


Hepatitis B.Apaf1-1;23

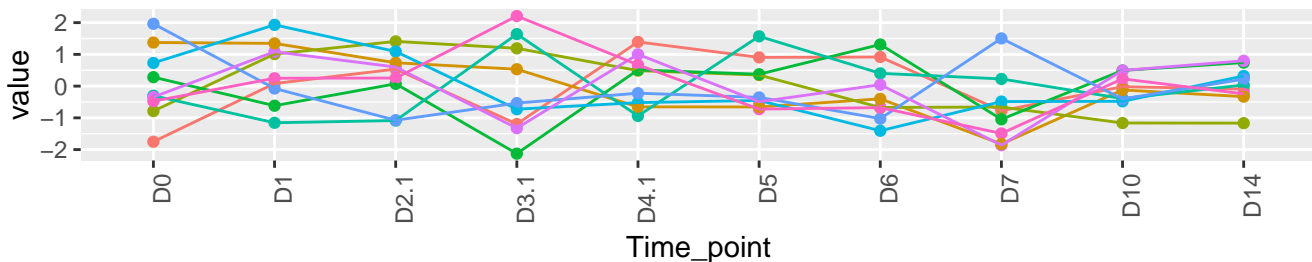
9 genes – EC_WT-standardized



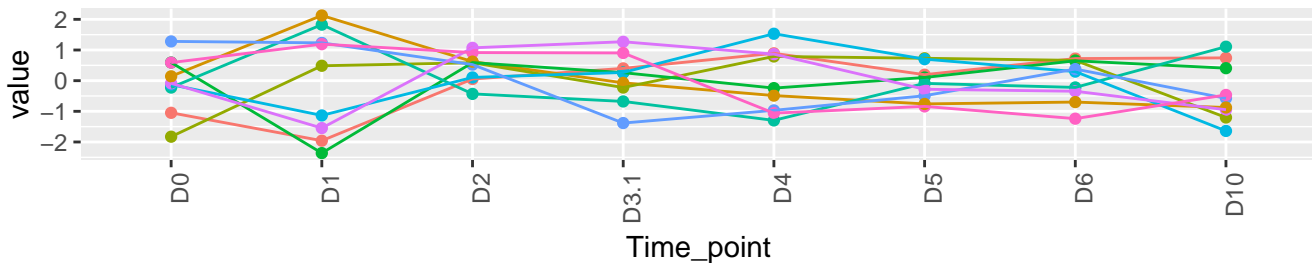
10 genes – EC_KO-standardized



9 genes – FAP_WT-standardized

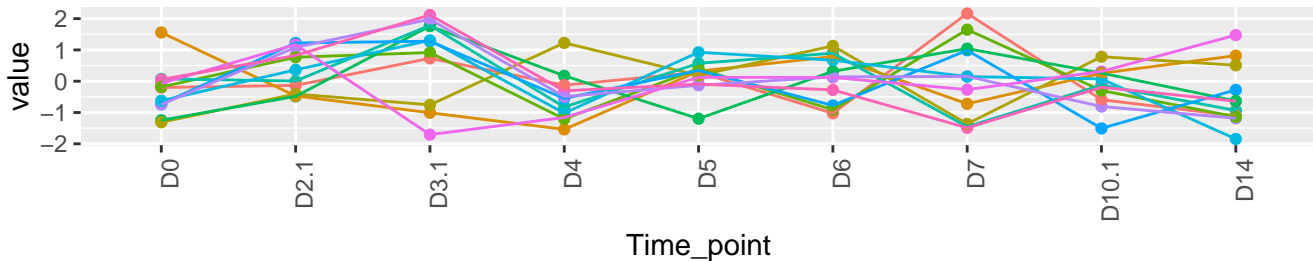


9 genes – FAP_KO-standardized

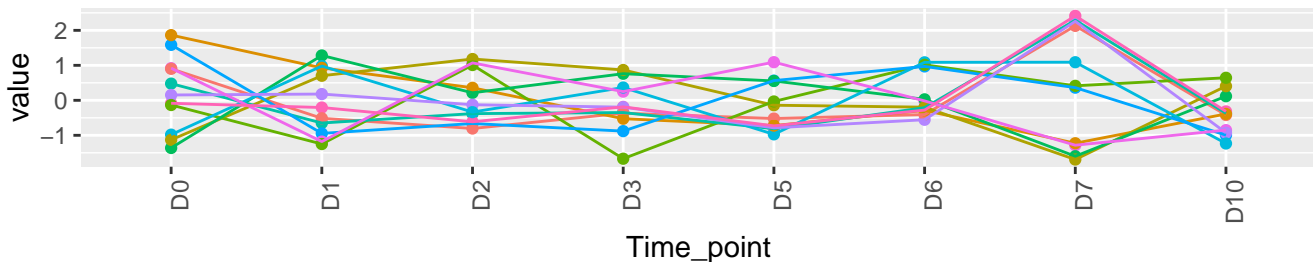


Amino sugar and nucleotide sugar metabolism.null-1;11

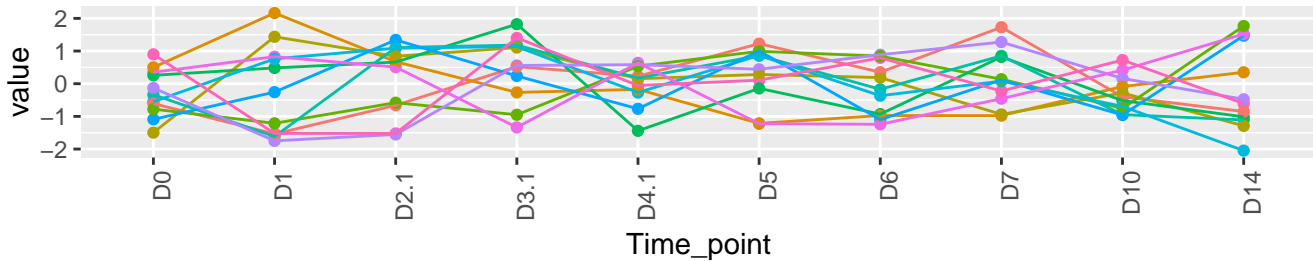
11 genes – EC_WT-standardized



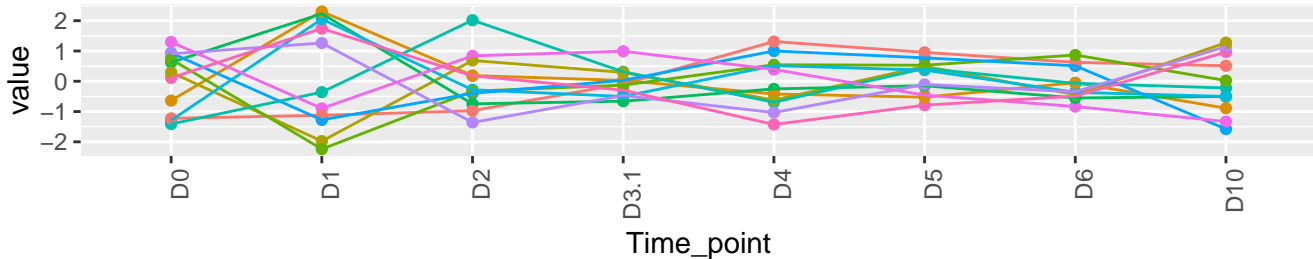
11 genes – EC_KO-standardized



11 genes – FAP_WT-standardized

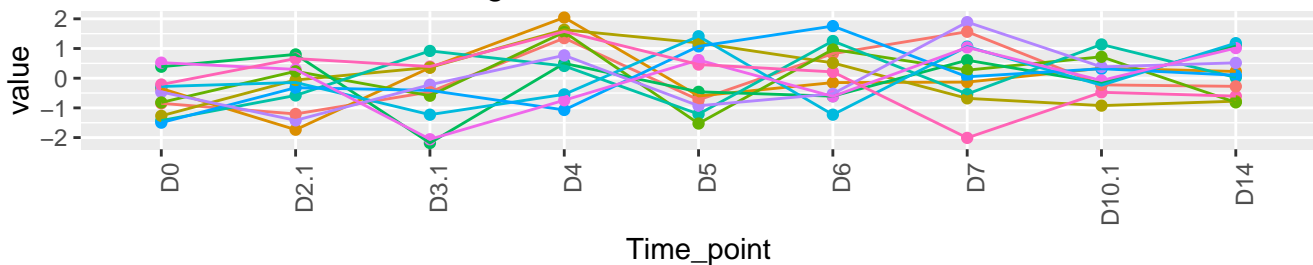


11 genes – FAP_KO-standardized

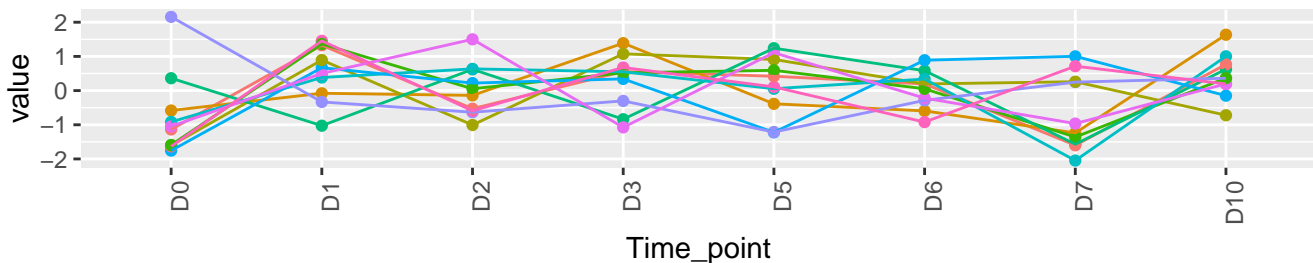


Insulin signaling pathway.Prkab2-1;41

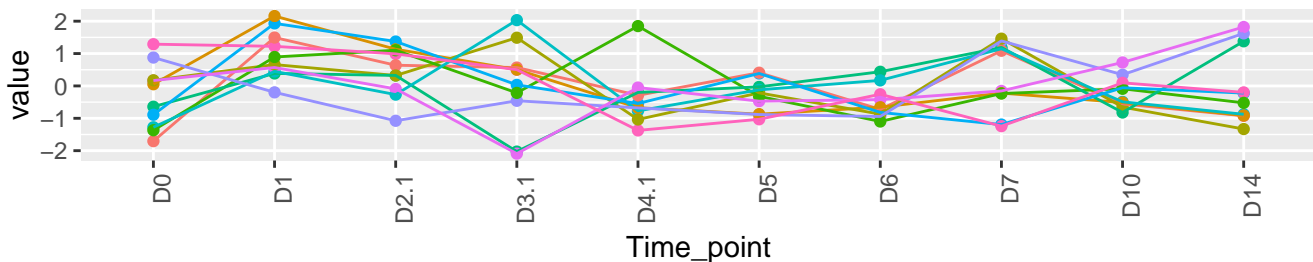
11 genes – EC_WT-standardized



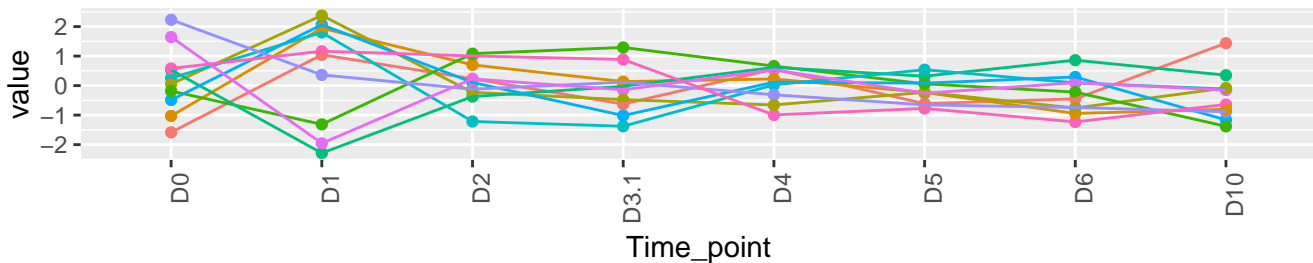
10 genes – EC_KO-standardized



10 genes – FAP_WT-standardized

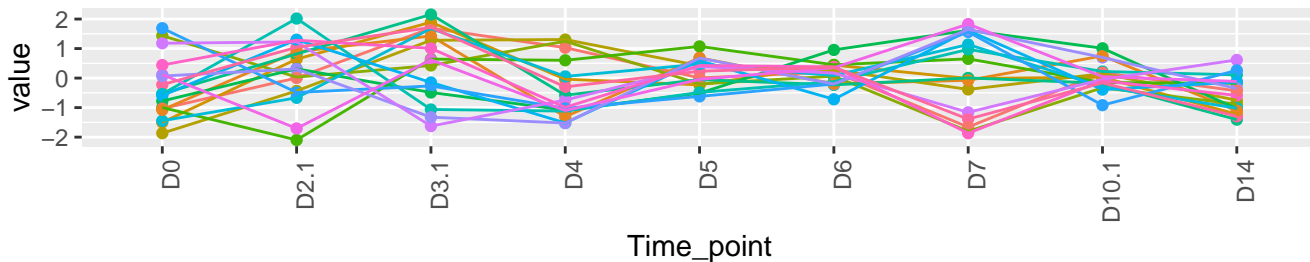


10 genes – FAP_KO-standardized

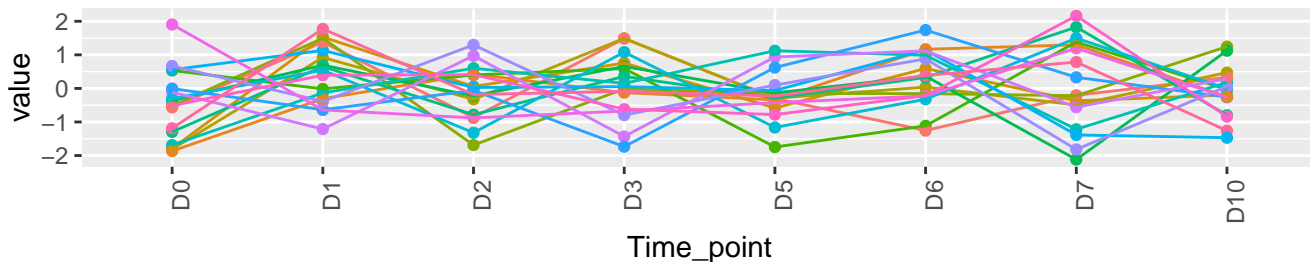


Pentose phosphate pathway

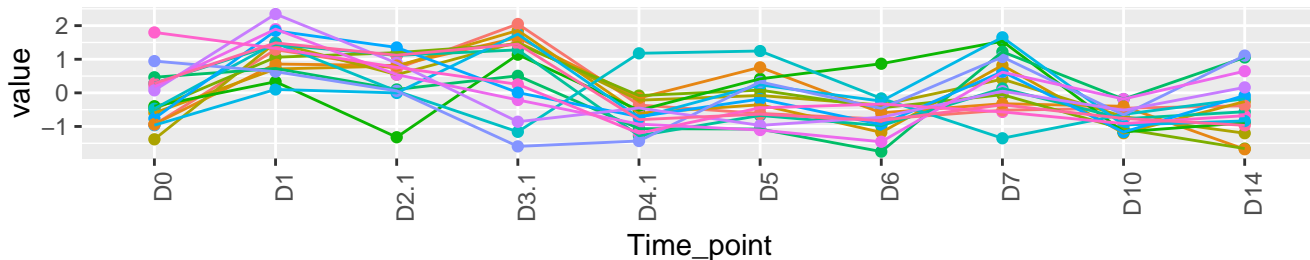
17 genes – EC_WT-standardized



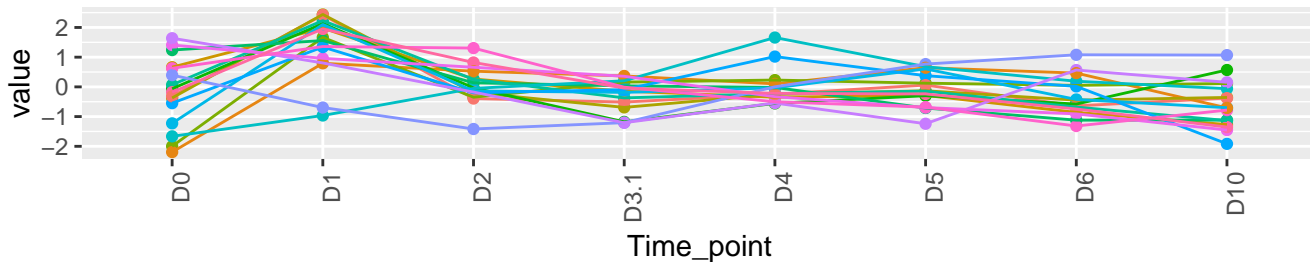
17 genes – EC_KO-standardized



16 genes – FAP_WT-standardized

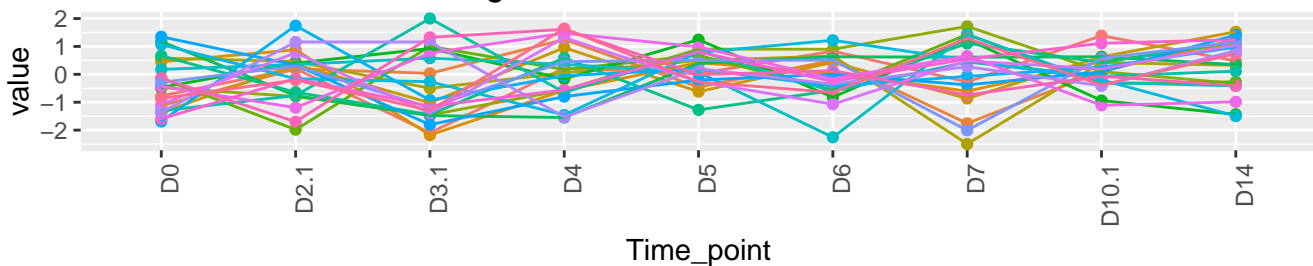


16 genes – FAP_KO-standardized

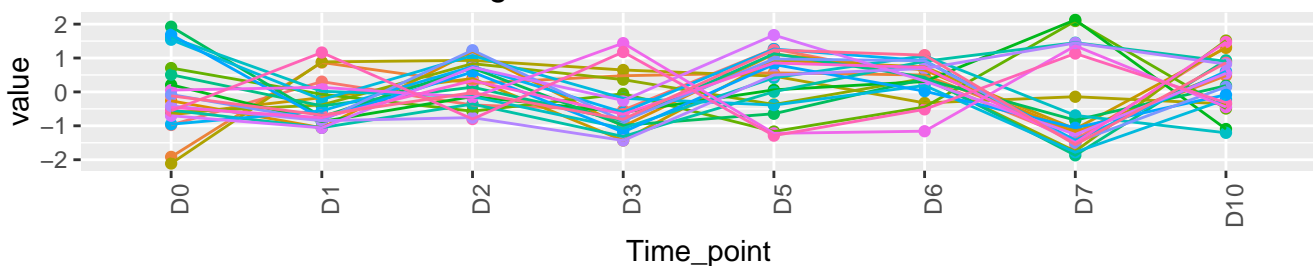


Cholinergic synapse

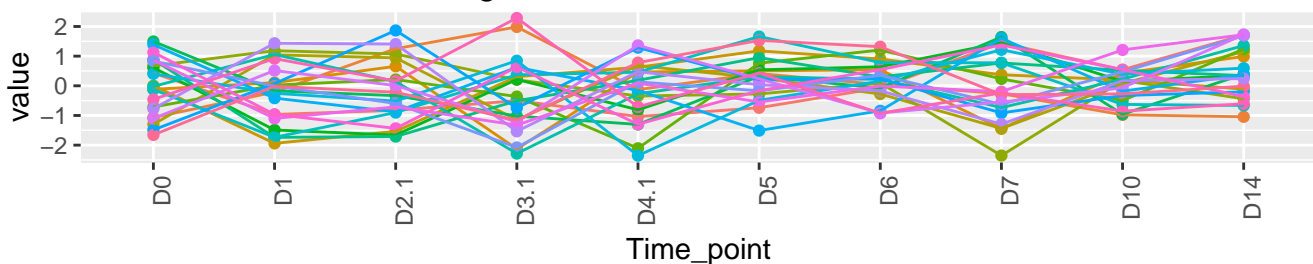
22 genes – EC_WT-standardized



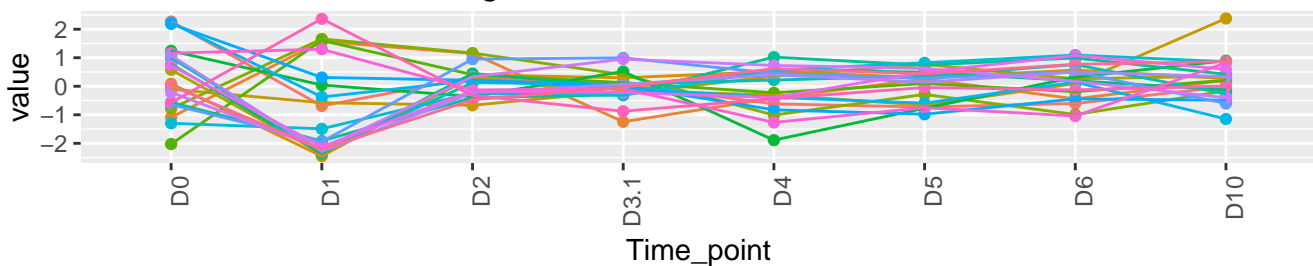
22 genes – EC_KO-standardized



22 genes – FAP_WT-standardized

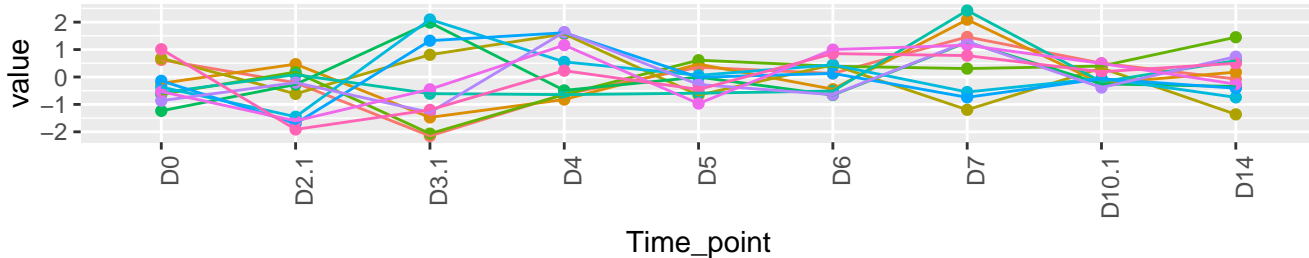


21 genes – FAP_KO-standardized

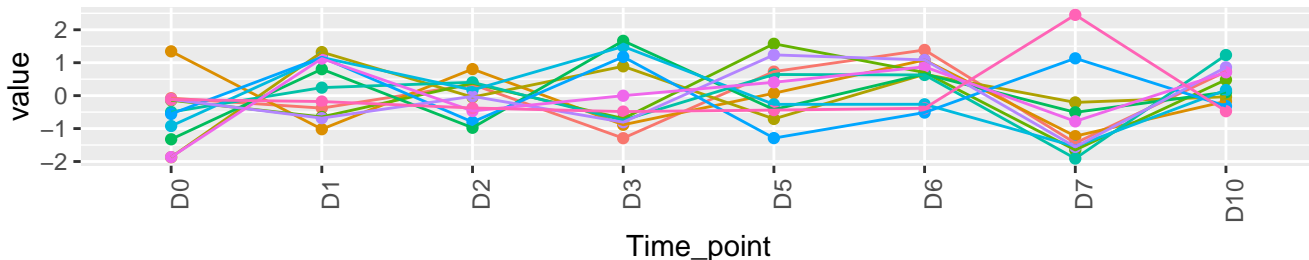


Glucagon signaling pathway.null-1;7

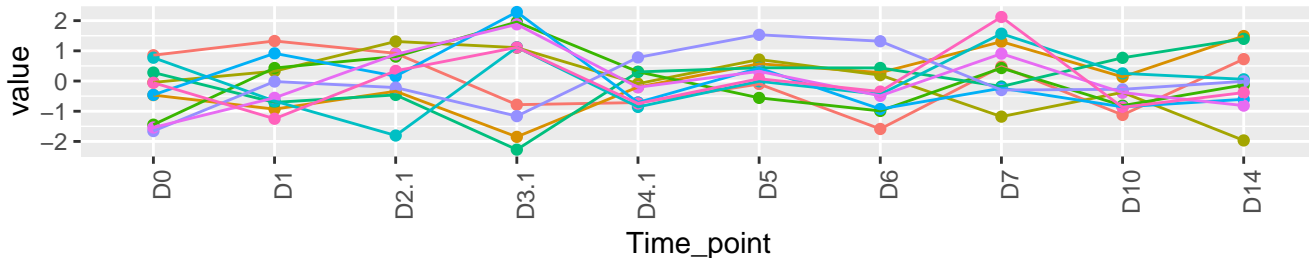
11 genes – EC_WT-standardized



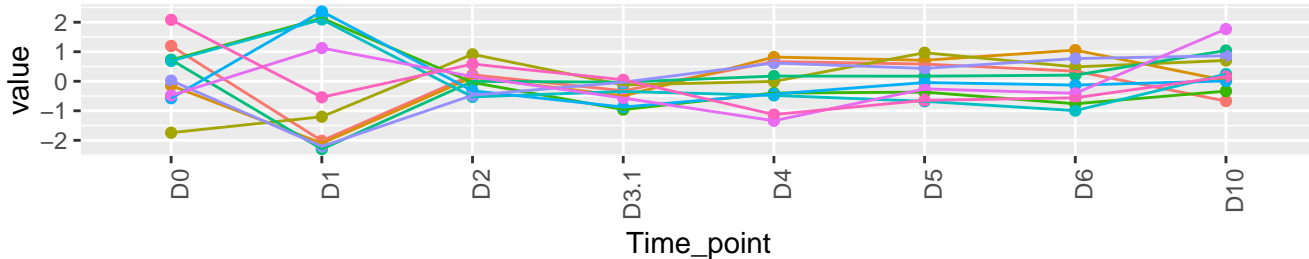
11 genes – EC_KO-standardized



10 genes – FAP_WT-standardized

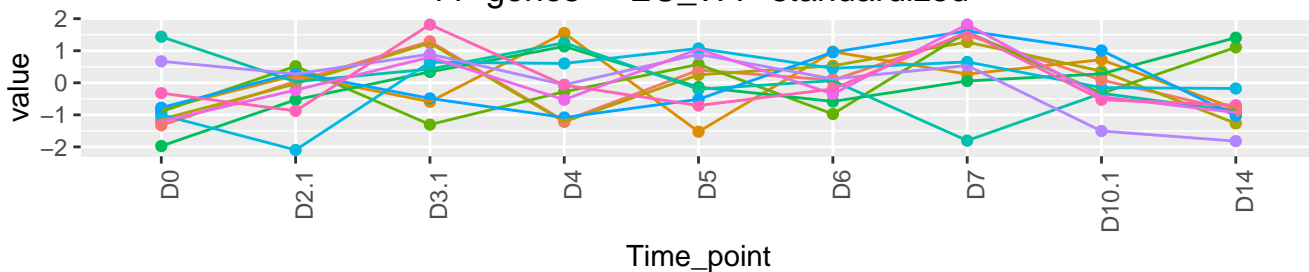


10 genes – FAP_KO-standardized

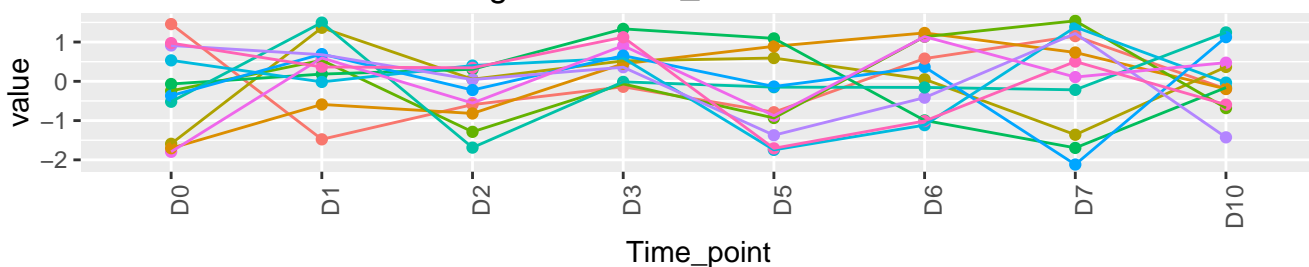


Fructose and mannose metabolism

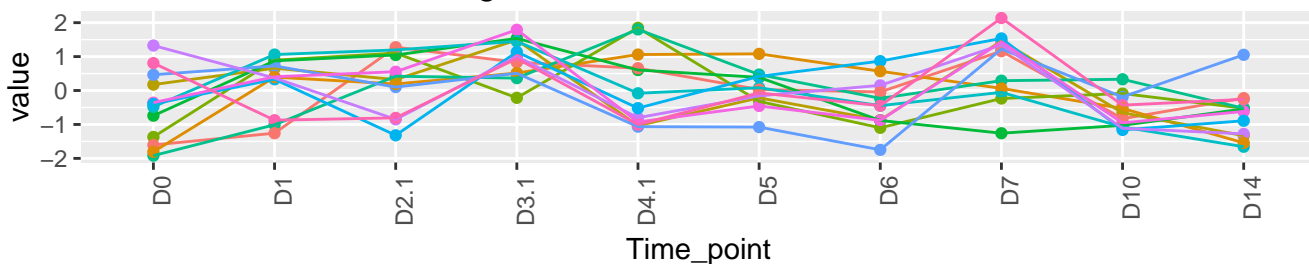
11 genes – EC_WT-standardized



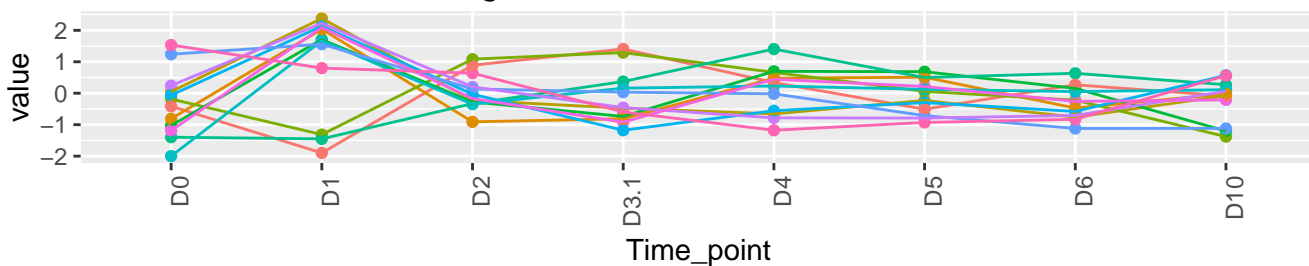
11 genes – EC_KO-standardized



12 genes – FAP_WT-standardized

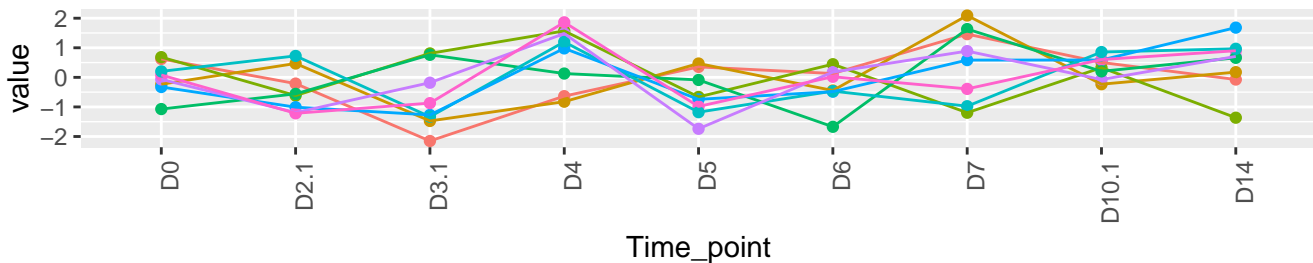


12 genes – FAP_KO-standardized

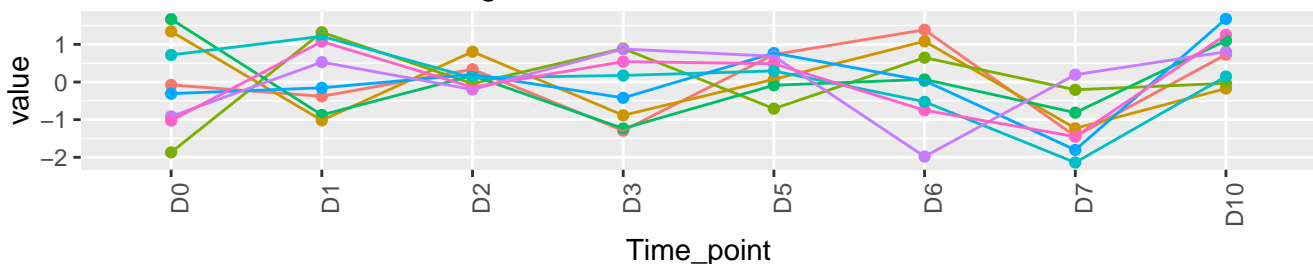


GnRH signaling pathway.Gnas-4;7

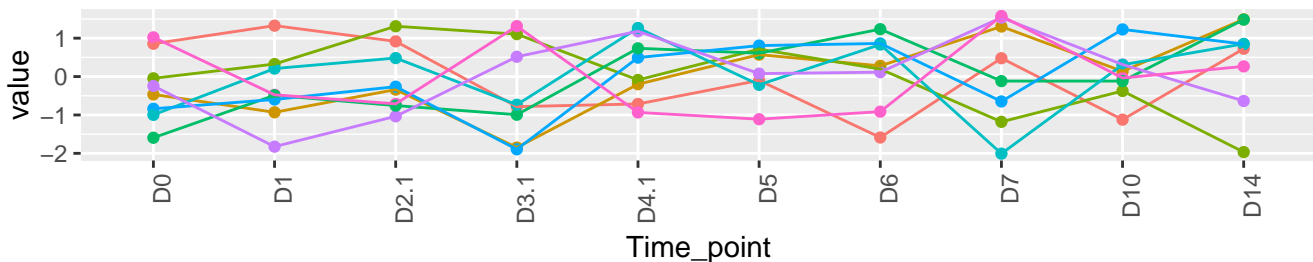
8 genes – EC_WT-standardized



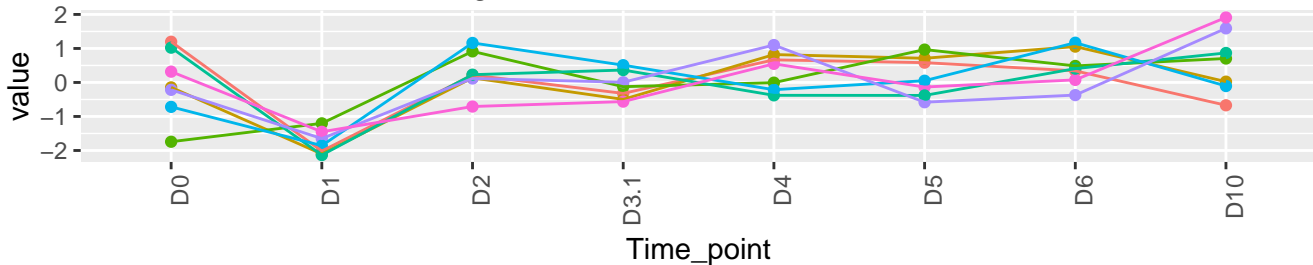
8 genes – EC_KO-standardized



8 genes – FAP_WT-standardized

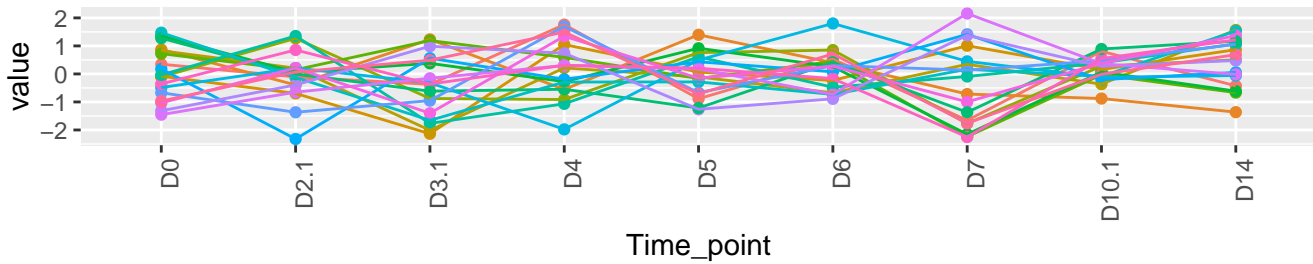


7 genes – FAP_KO-standardized

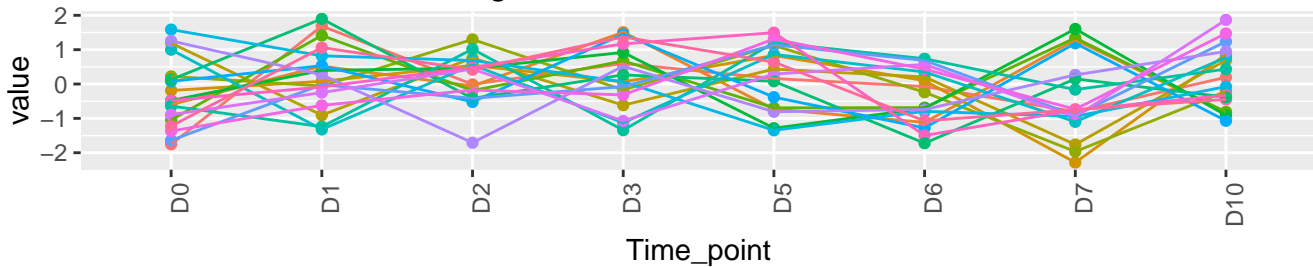


PI3K-Akt signaling pathway.Ywhab-1;23

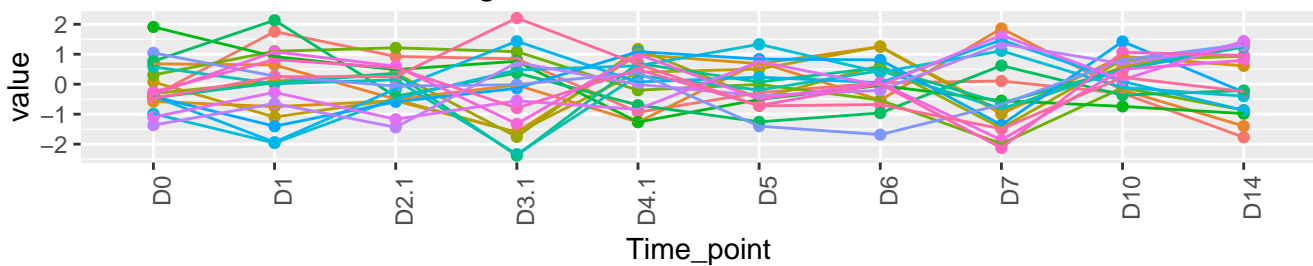
18 genes – EC_WT-standardized



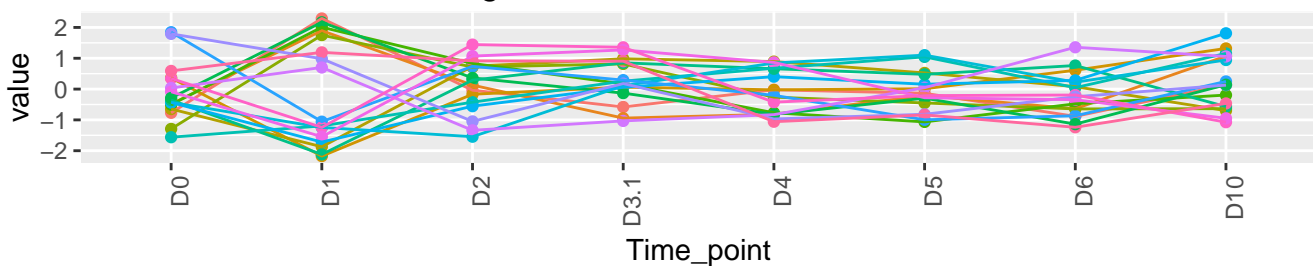
18 genes – EC_KO-standardized



19 genes – FAP_WT-standardized

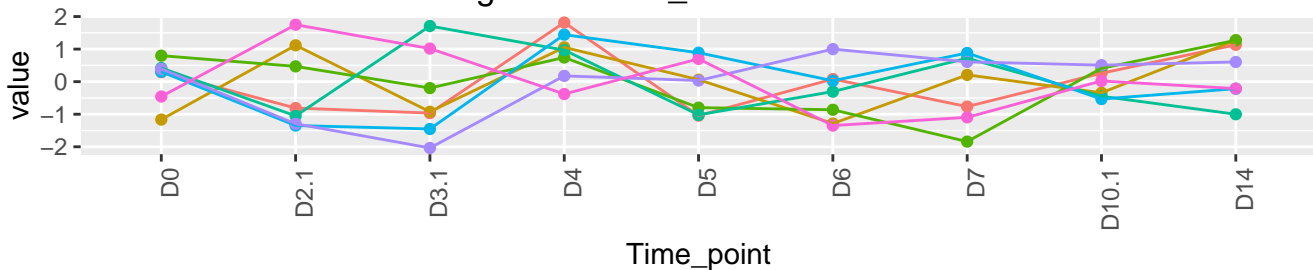


17 genes – FAP_KO-standardized

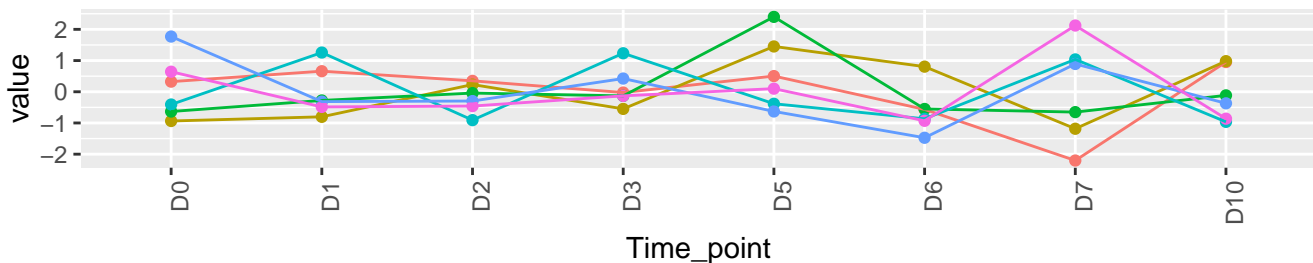


Renal cell carcinoma.Egln1-1;6

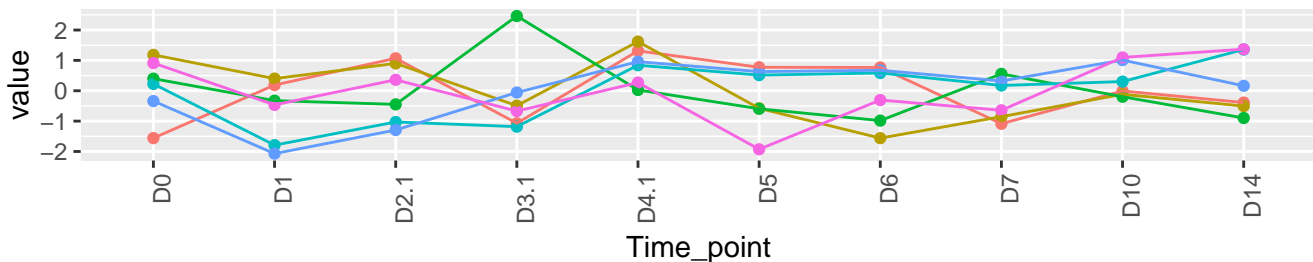
7 genes – EC_WT-standardized



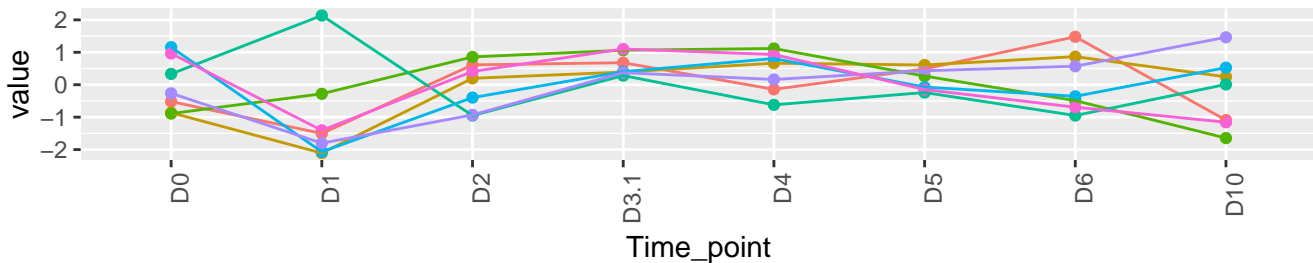
6 genes – EC_KO-standardized



6 genes – FAP_WT-standardized

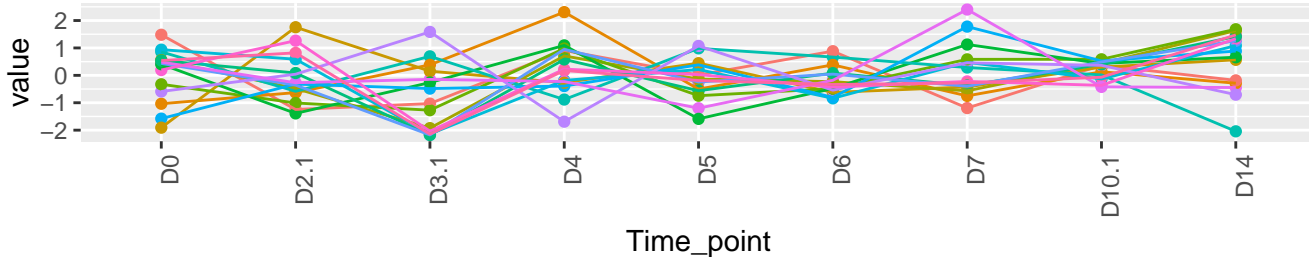


7 genes – FAP_KO-standardized

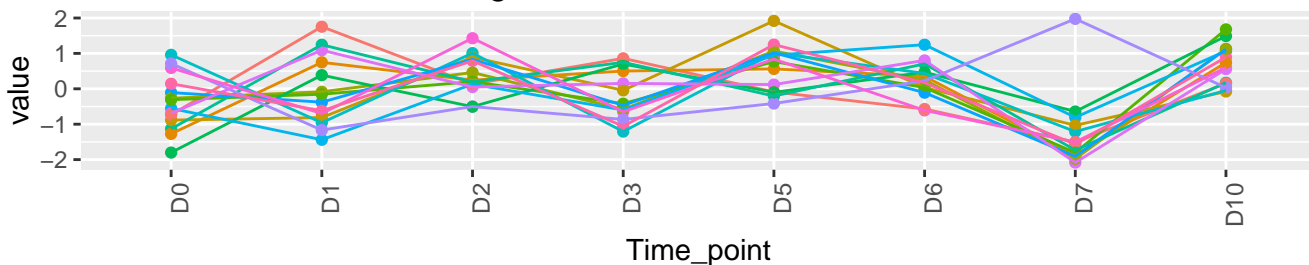


cGMP-PKG signaling pathway.Calm3-1;11

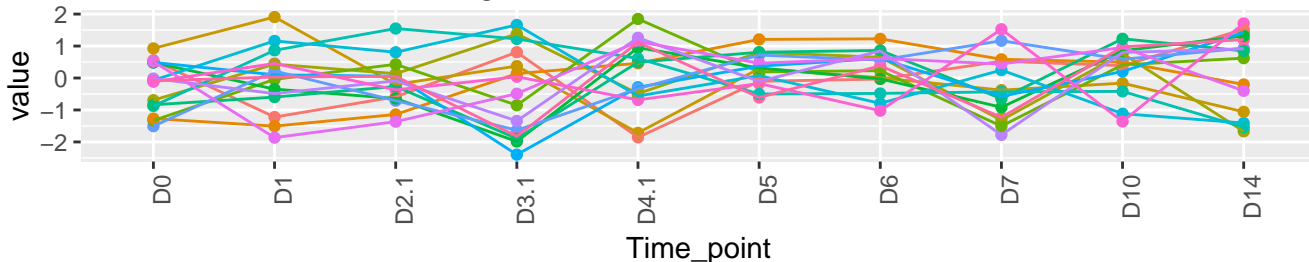
15 genes – EC_WT-standardized



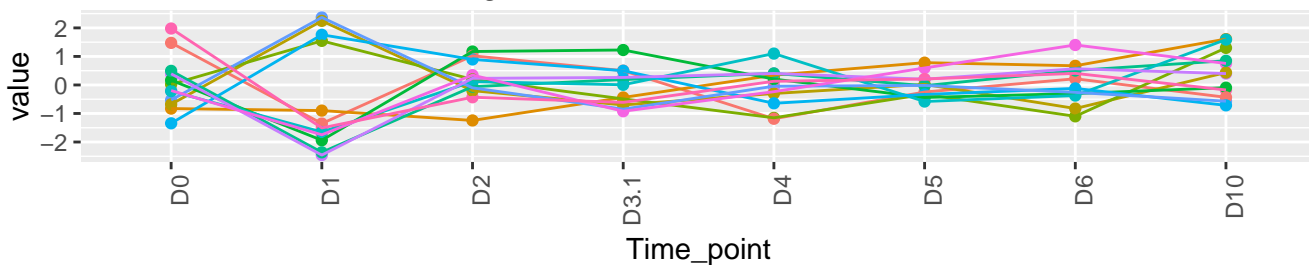
14 genes – EC_KO-standardized



15 genes – FAP_WT-standardized

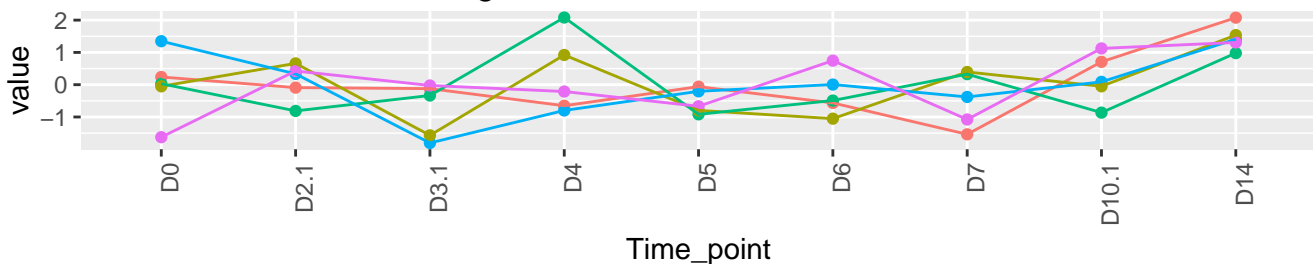


12 genes – FAP_KO-standardized

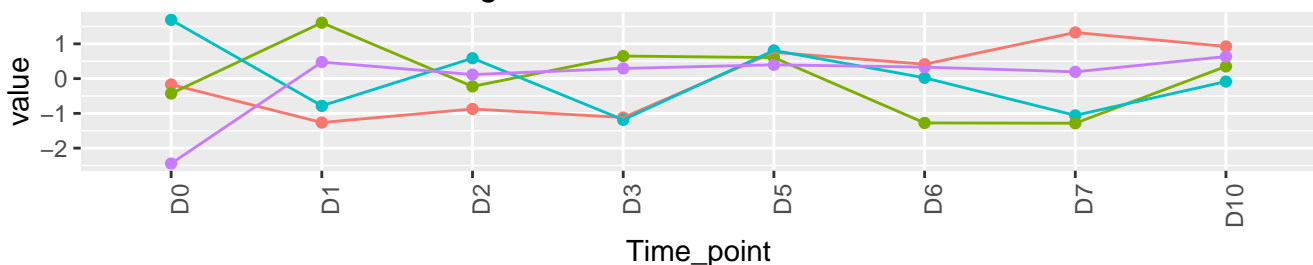


Progesterone-mediated oocyte maturation

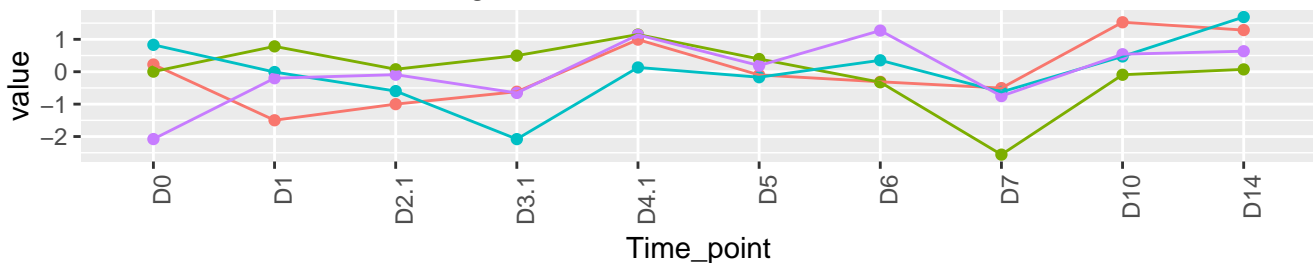
5 genes – EC_WT-standardized



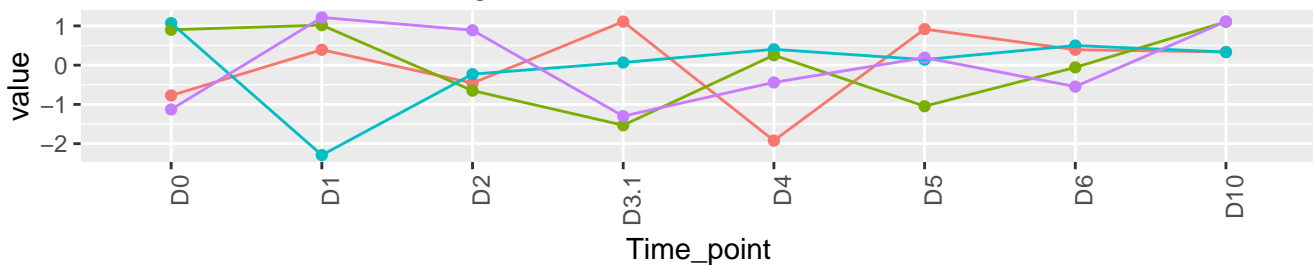
4 genes – EC_KO-standardized



4 genes – FAP_WT-standardized

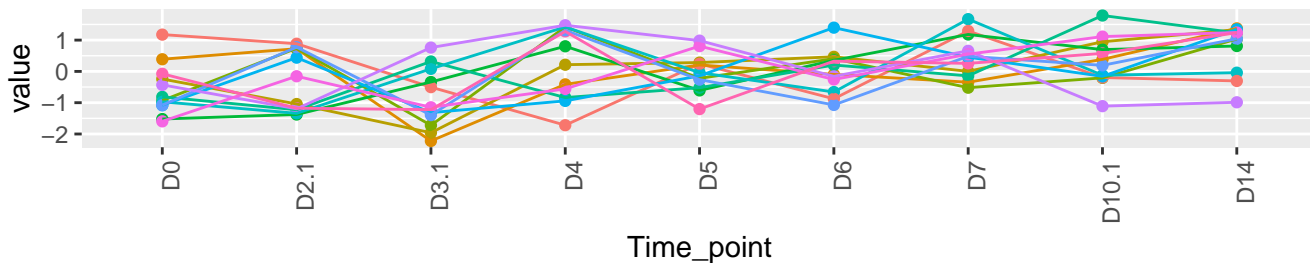


4 genes – FAP_KO-standardized

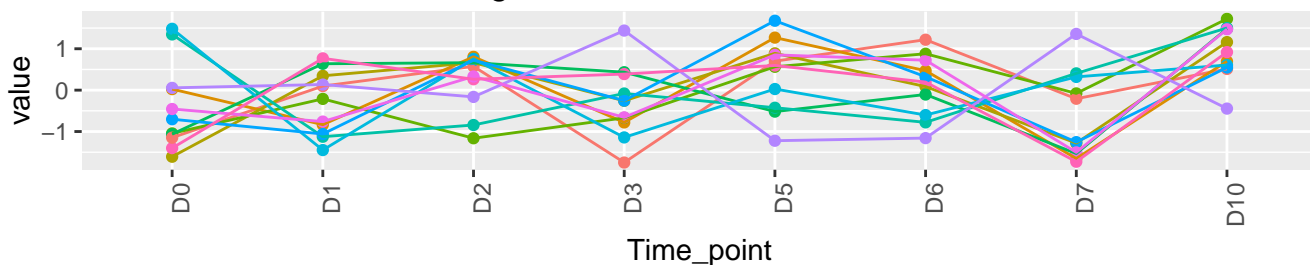


Bacterial invasion of epithelial cells.Rhog-1;10

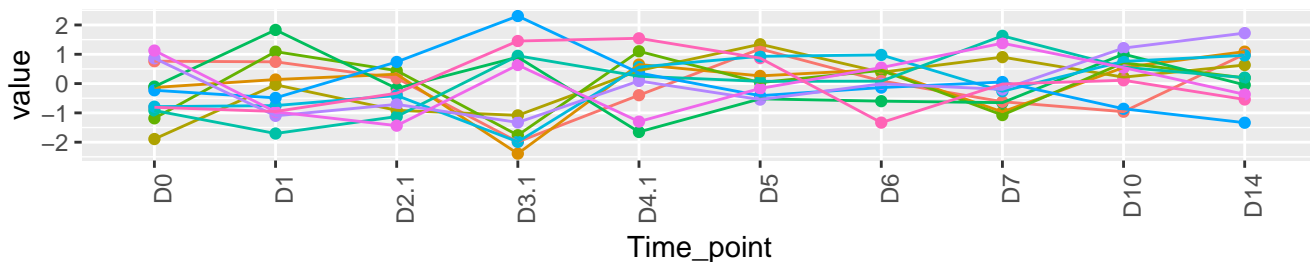
12 genes – EC_WT-standardized



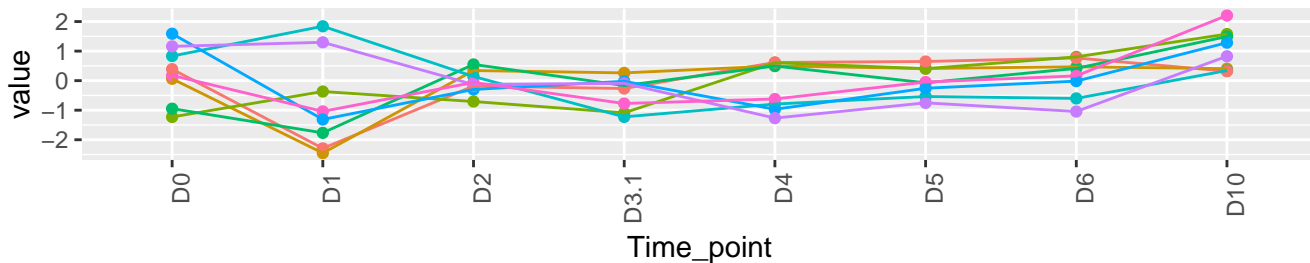
11 genes – EC_KO-standardized



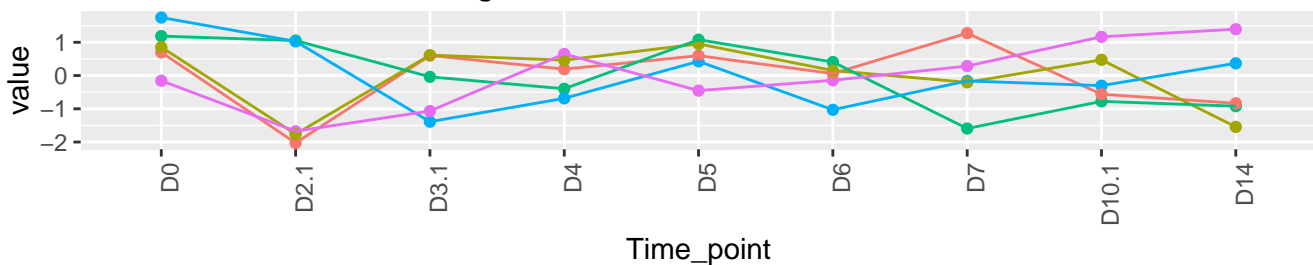
11 genes – FAP_WT-standardized



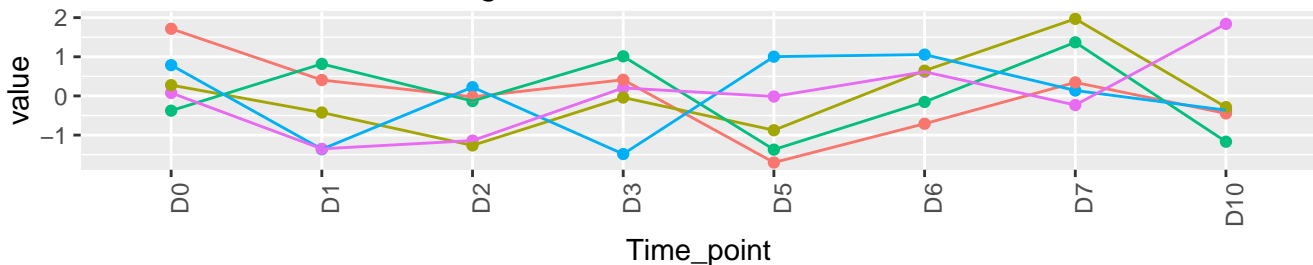
8 genes – FAP_KO-standardized



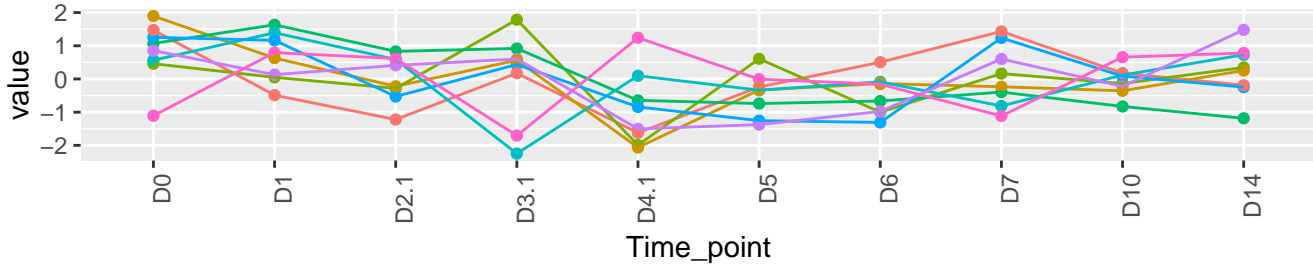
Arachidonic acid metabolism
5 genes – EC_WT-standardized



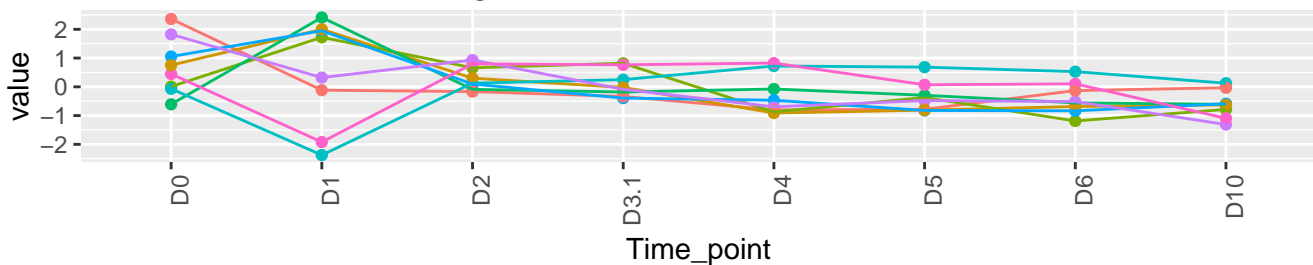
5 genes – EC_KO-standardized



8 genes – FAP_WT-standardized

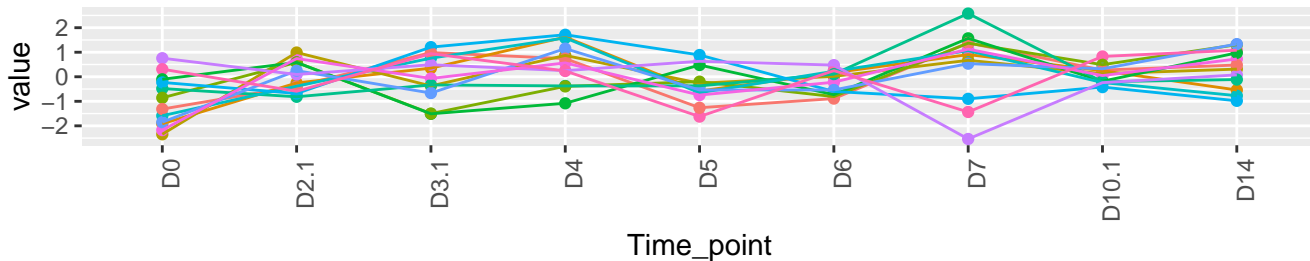


8 genes – FAP_KO-standardized

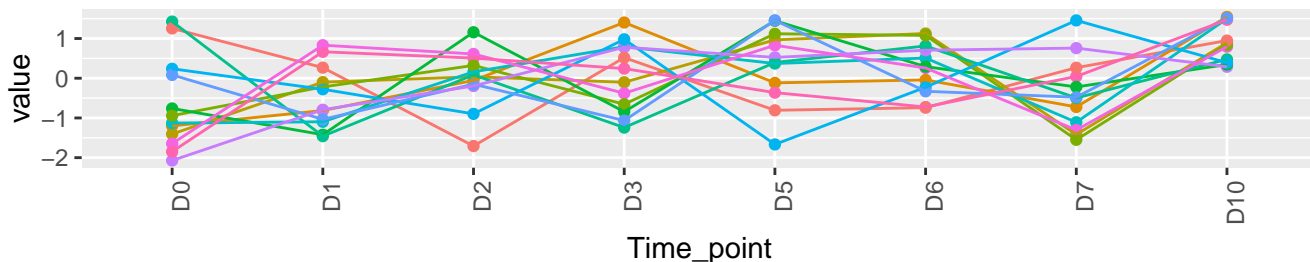


Osteoclast differentiation

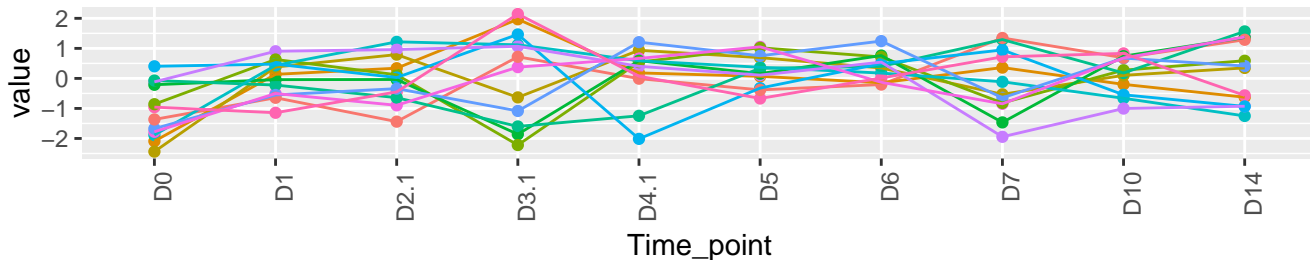
12 genes – EC_WT-standardized



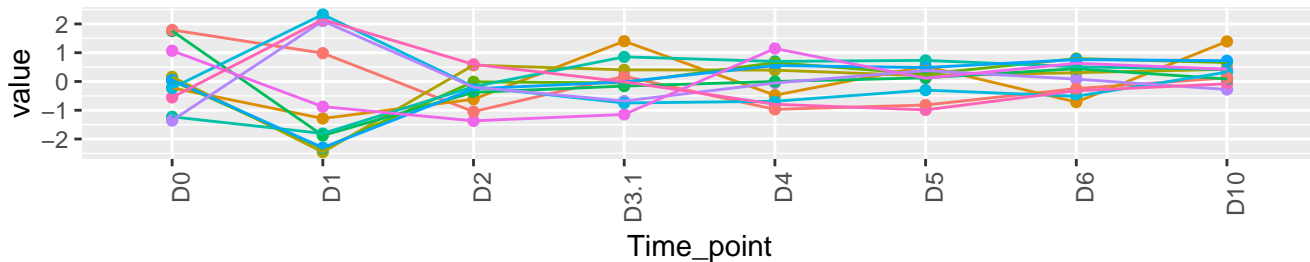
12 genes – EC_KO-standardized



12 genes – FAP_WT-standardized

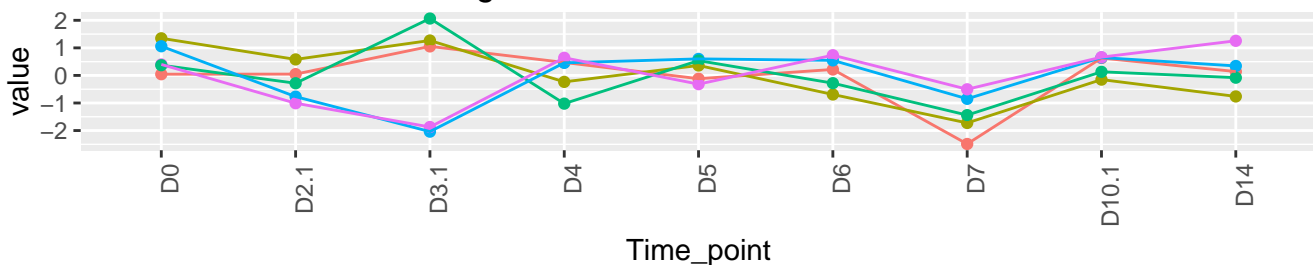


11 genes – FAP_KO-standardized

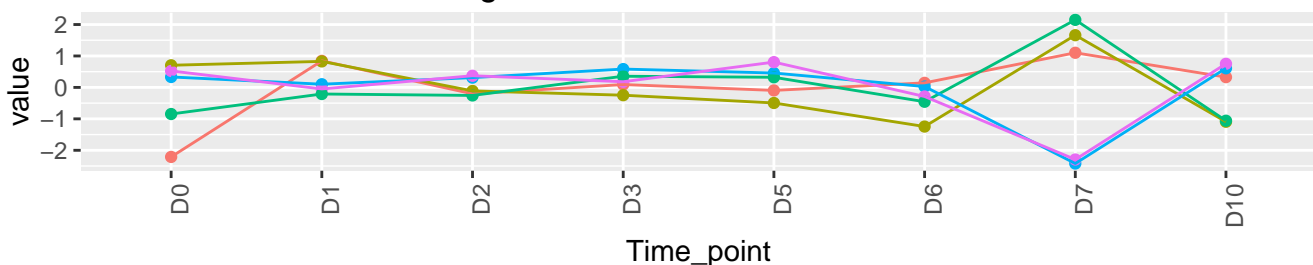


Fat digestion and absorption

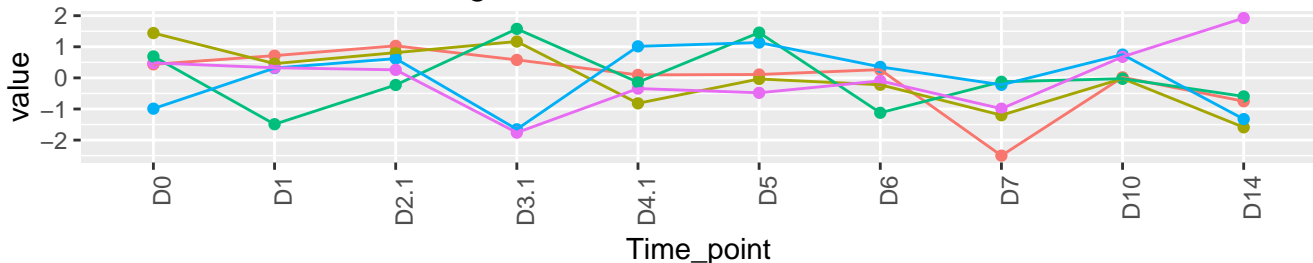
5 genes – EC_WT-standardized



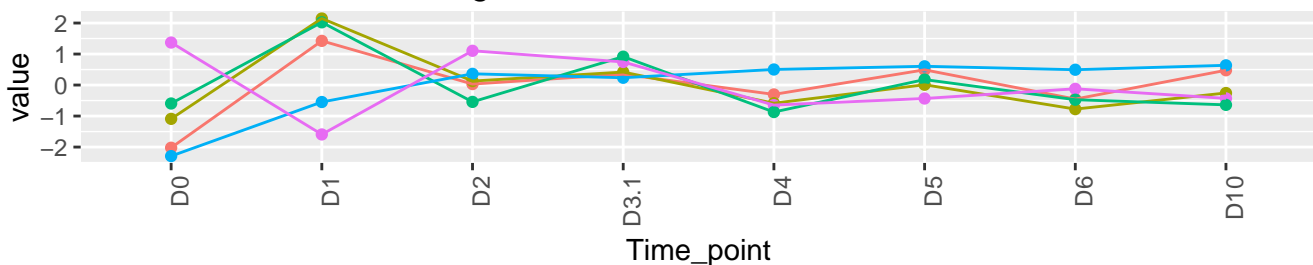
5 genes – EC_KO-standardized



5 genes – FAP_WT-standardized

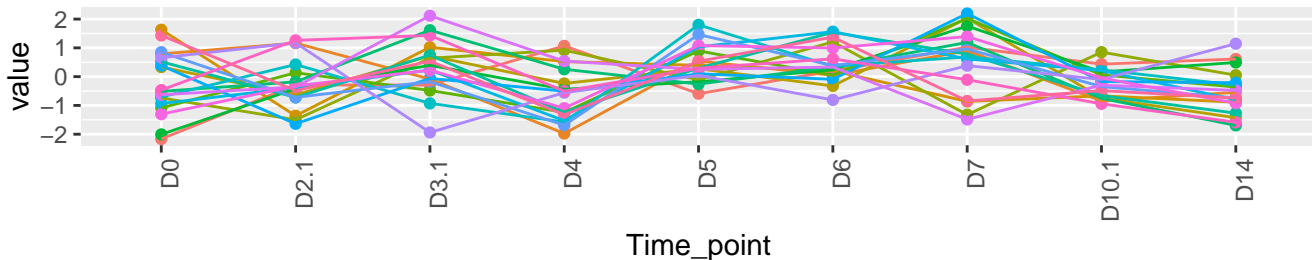


5 genes – FAP_KO-standardized

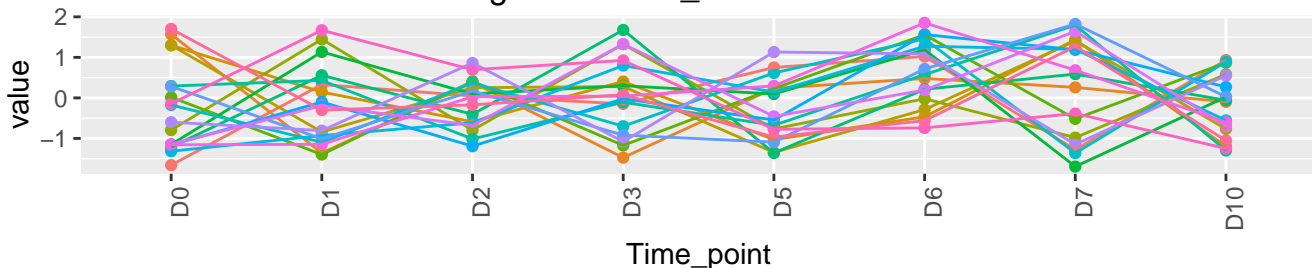


Cell cycle

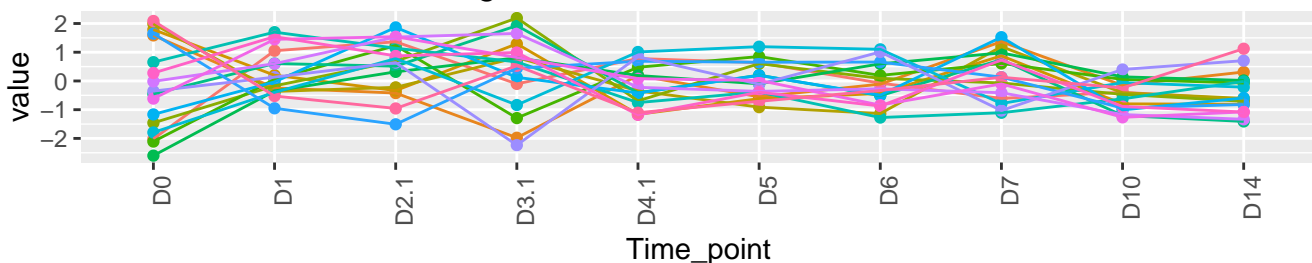
18 genes – EC_WT-standardized



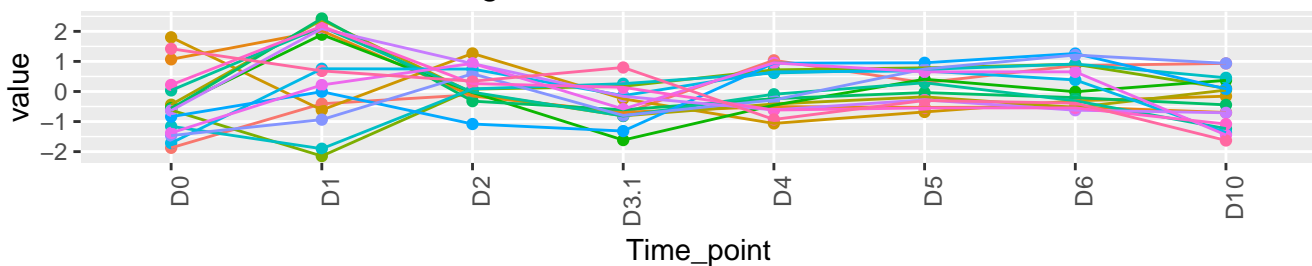
18 genes – EC_KO-standardized



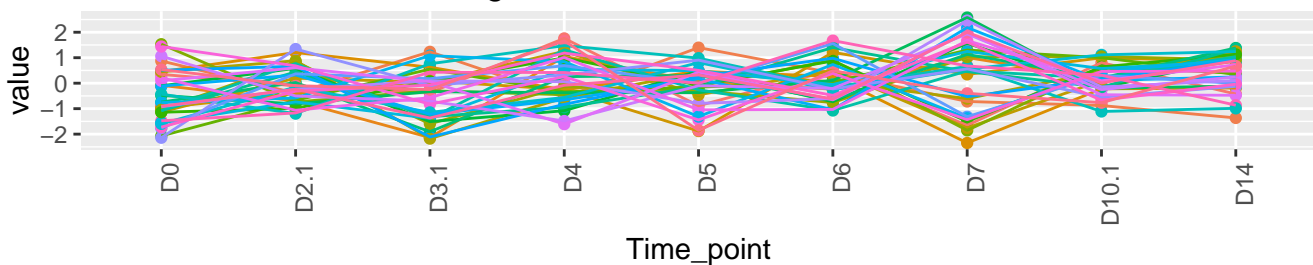
17 genes – FAP_WT-standardized



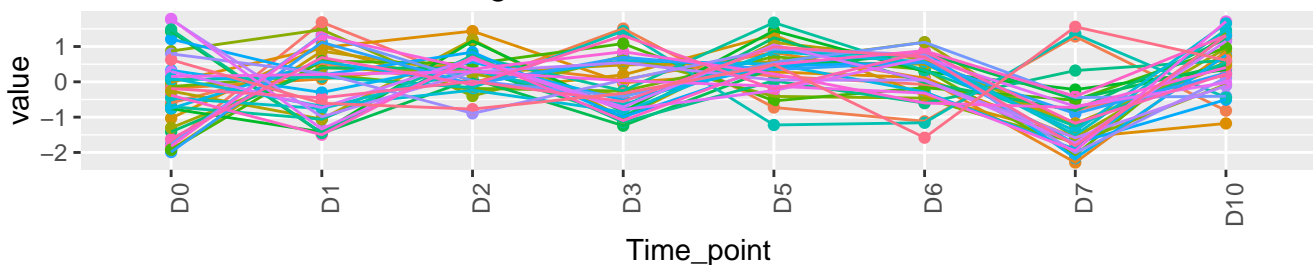
16 genes – FAP_KO-standardized



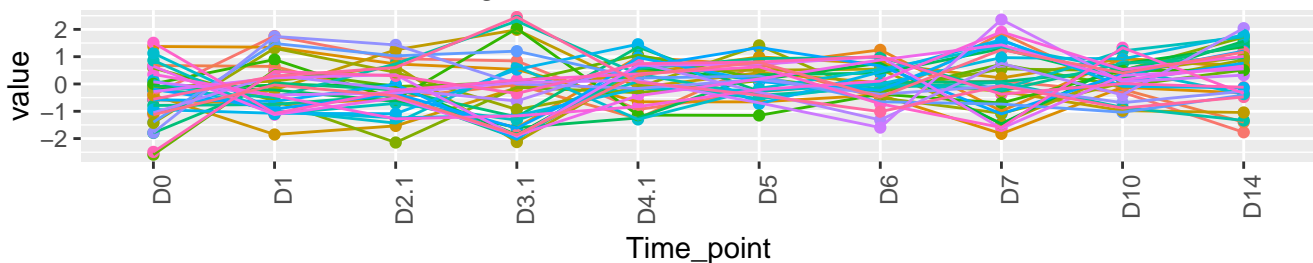
Sphingolipid signaling pathway
33 genes – EC_WT-standardized



34 genes – EC_KO-standardized



33 genes – FAP_WT-standardized



27 genes – FAP_KO-standardized

