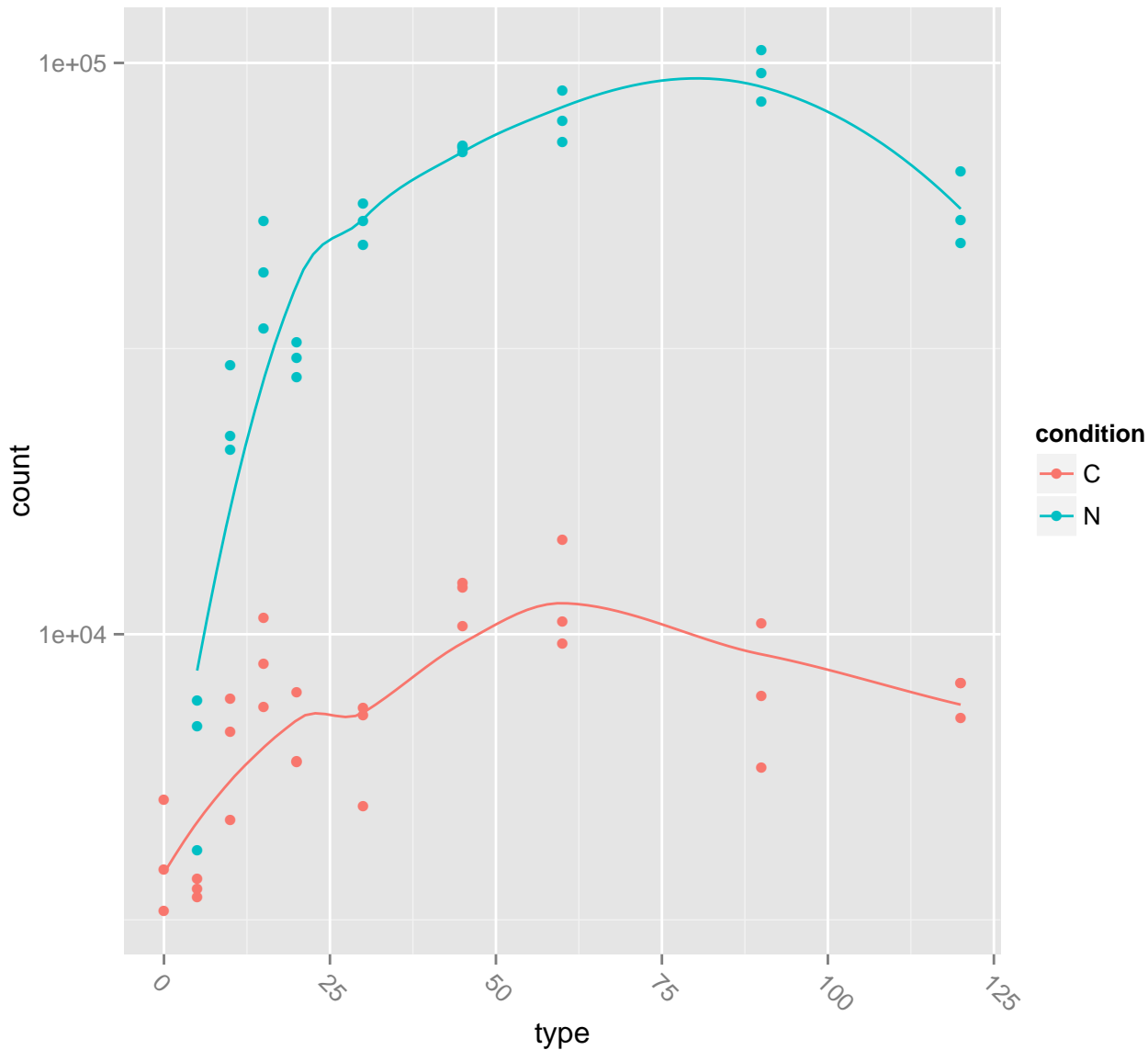


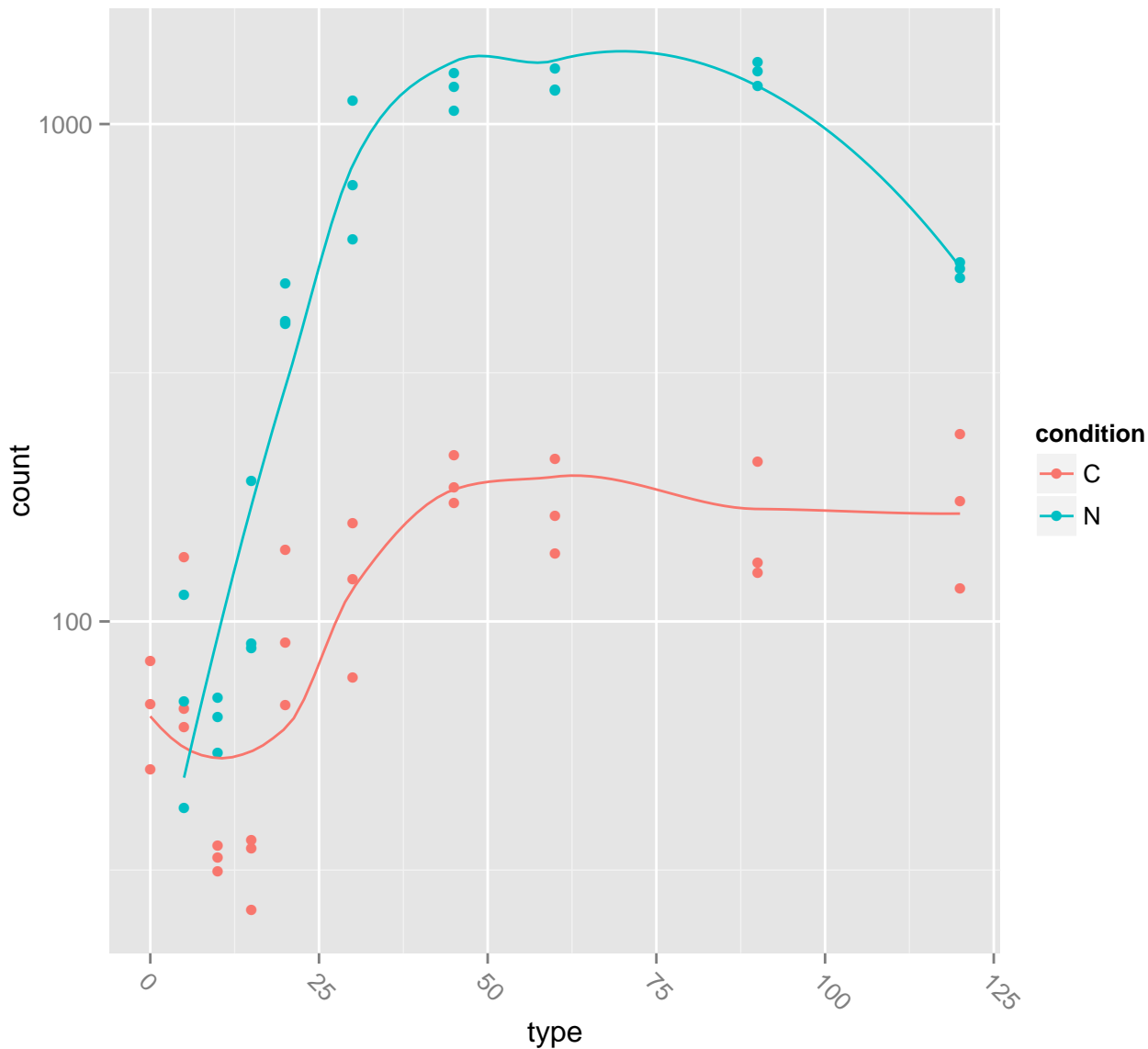
# AT1G30510

*"ATRFNR2, RFNR2, root FNR 2"*



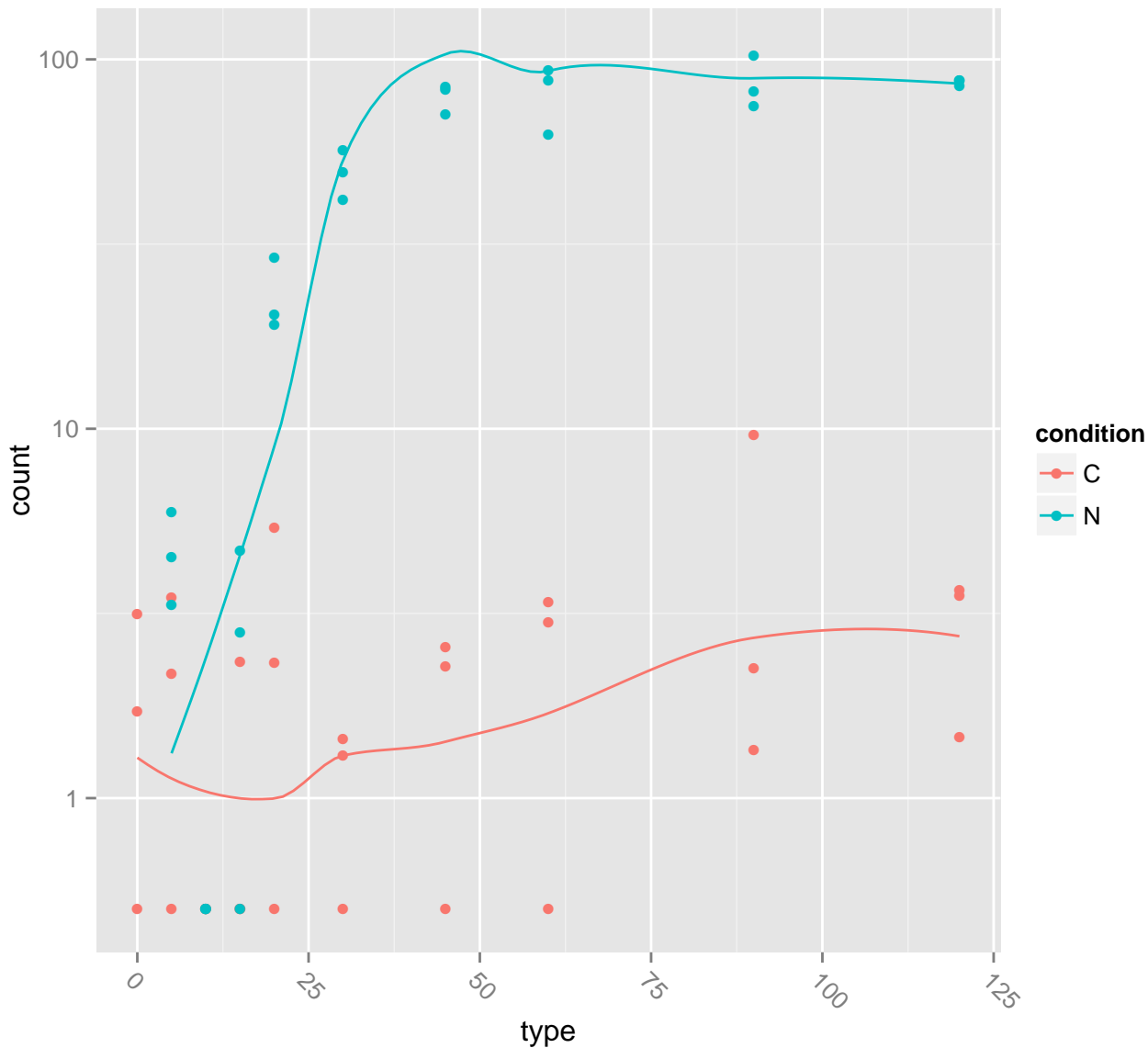
# AT1G78090

*"ATTPPB, TPPB, trehalose-6-phosphate phosphatase"*



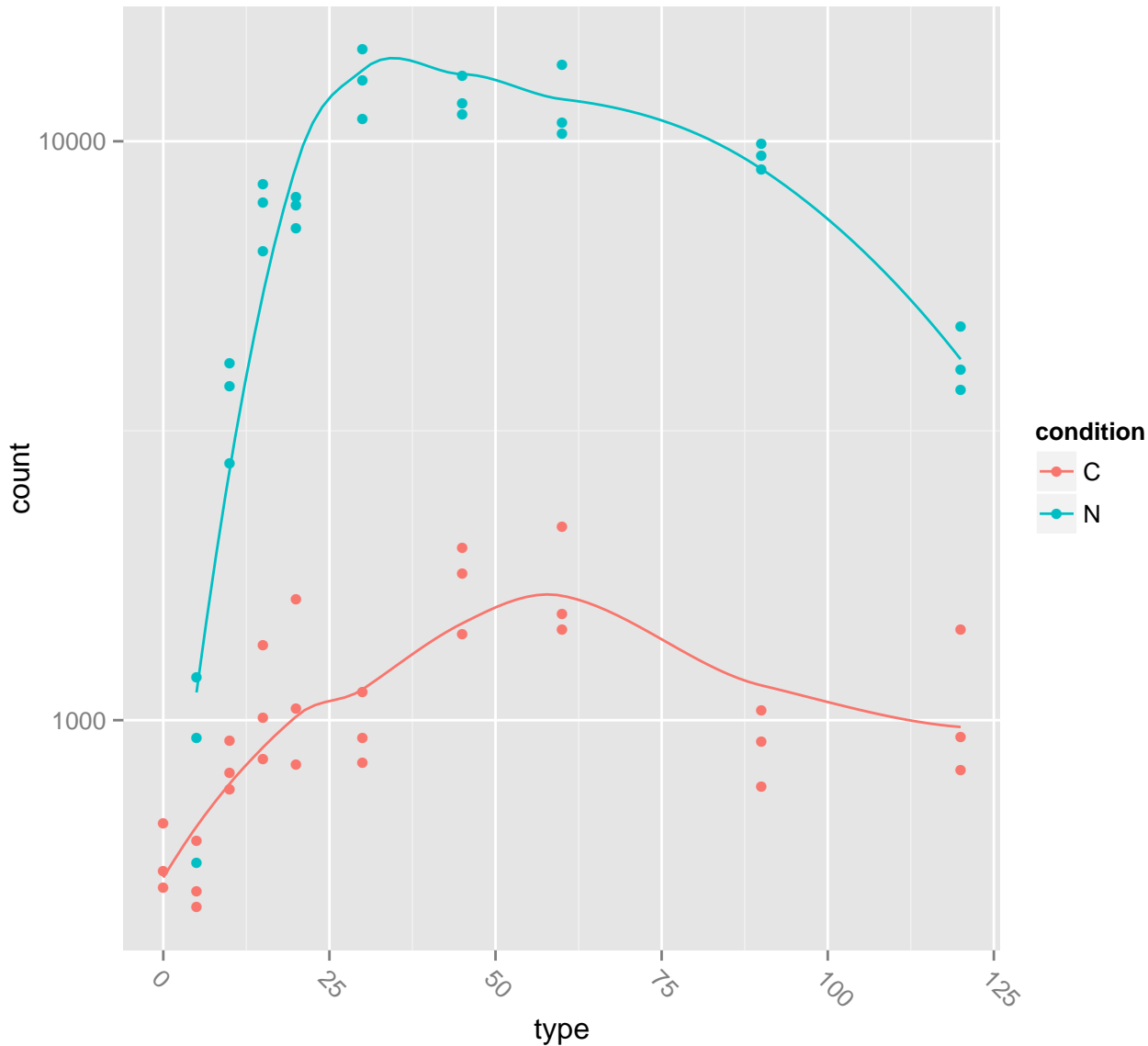
# AT2G21210

*SAUR-like auxin-responsive protein family*



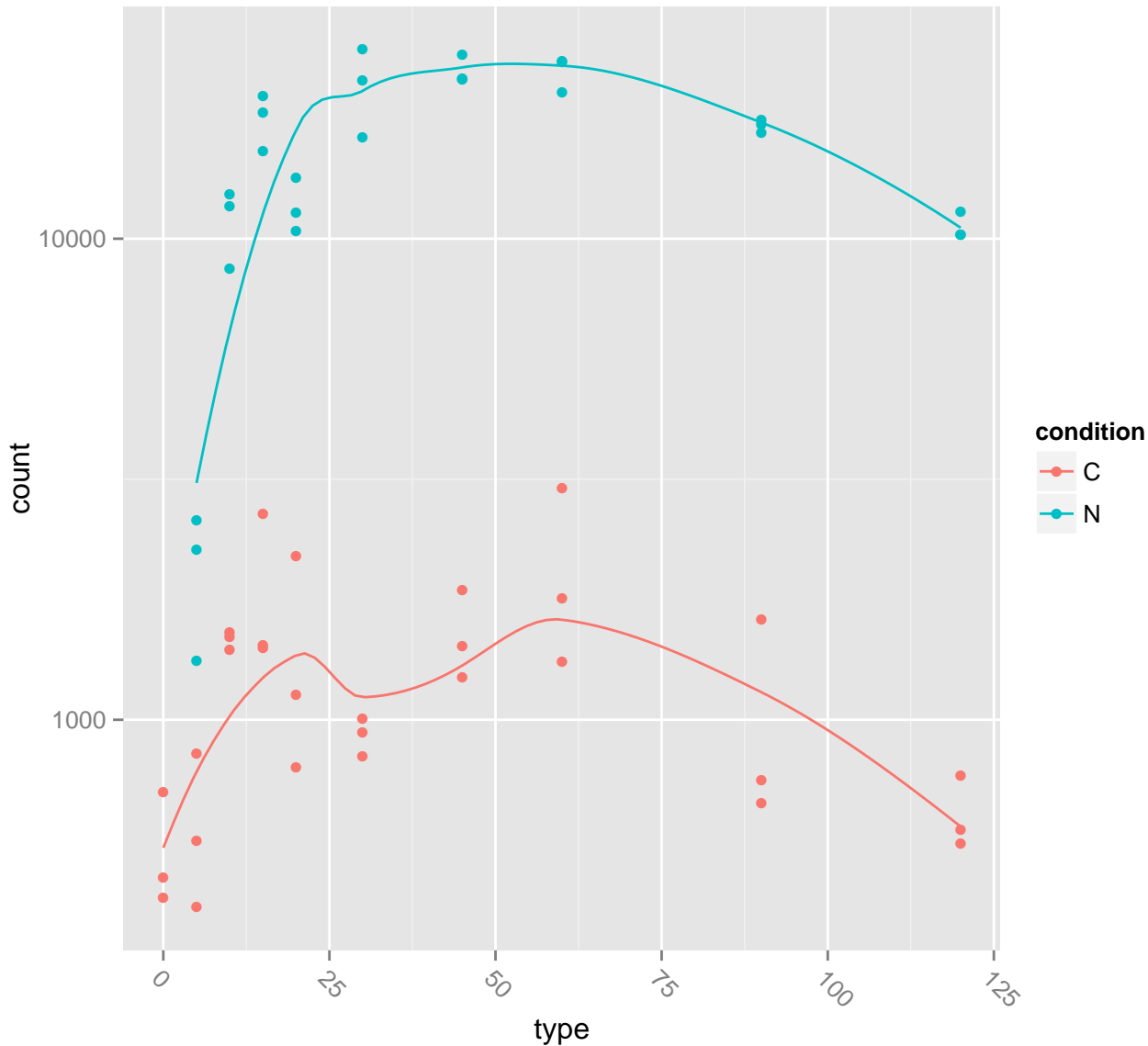
# AT1G78050

*"PGM, phosphoglycerate/bisphosphoglycerate mutase"*



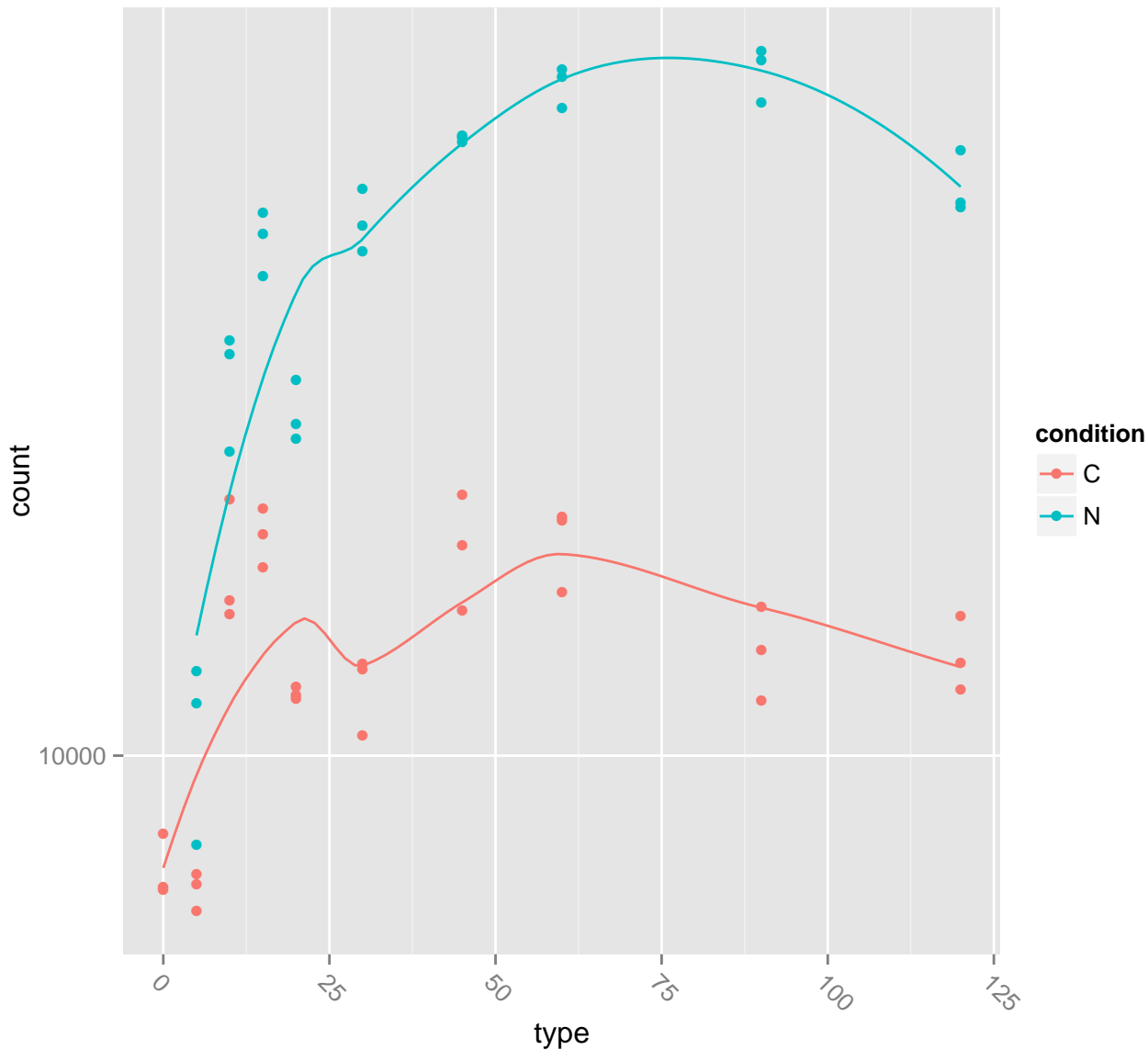
# AT3G49940

*"LBD38, LOB domain-containing protein 38"*



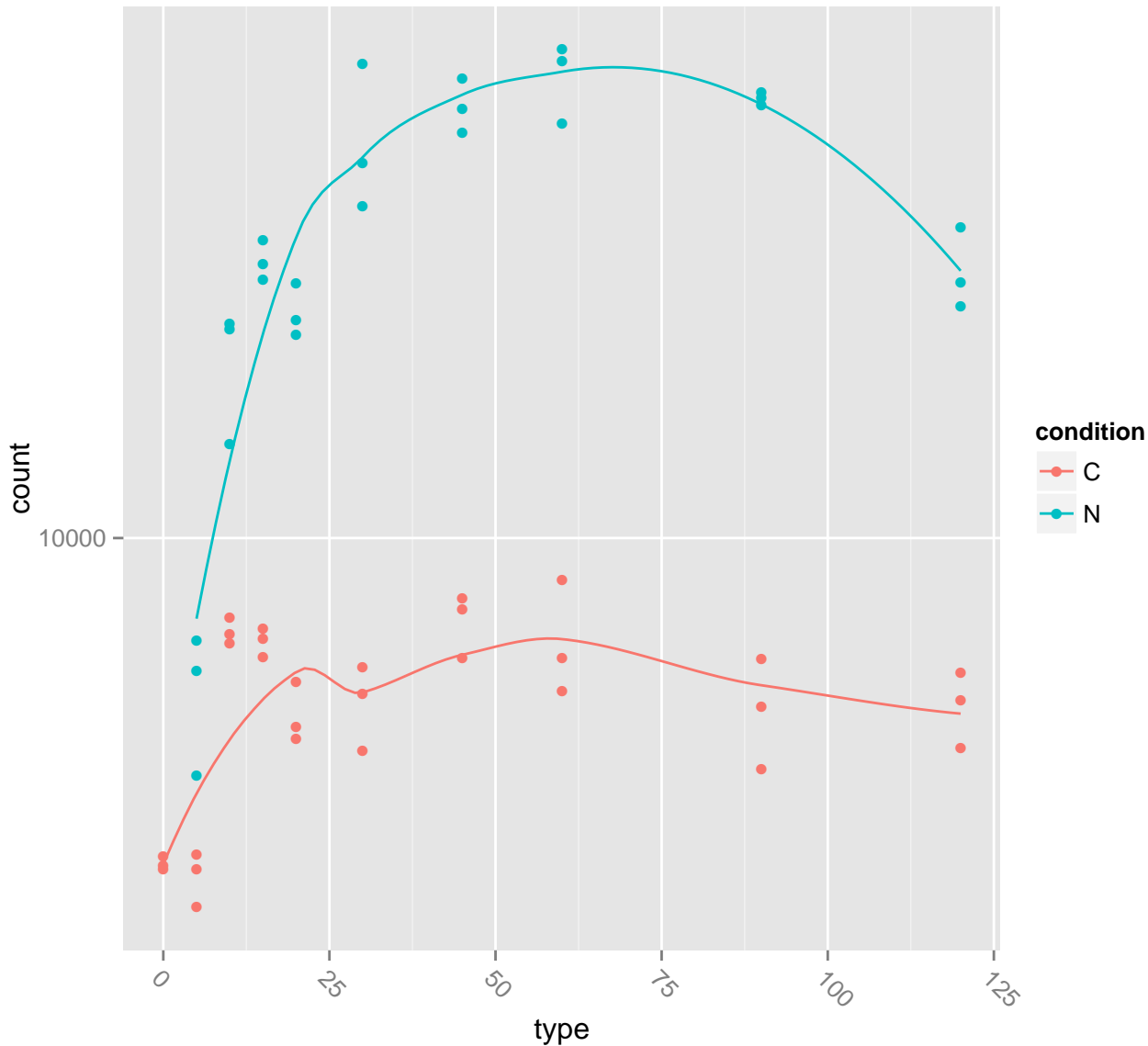
# AT2G27510

"ATFD3, FD3, ferredoxin 3"



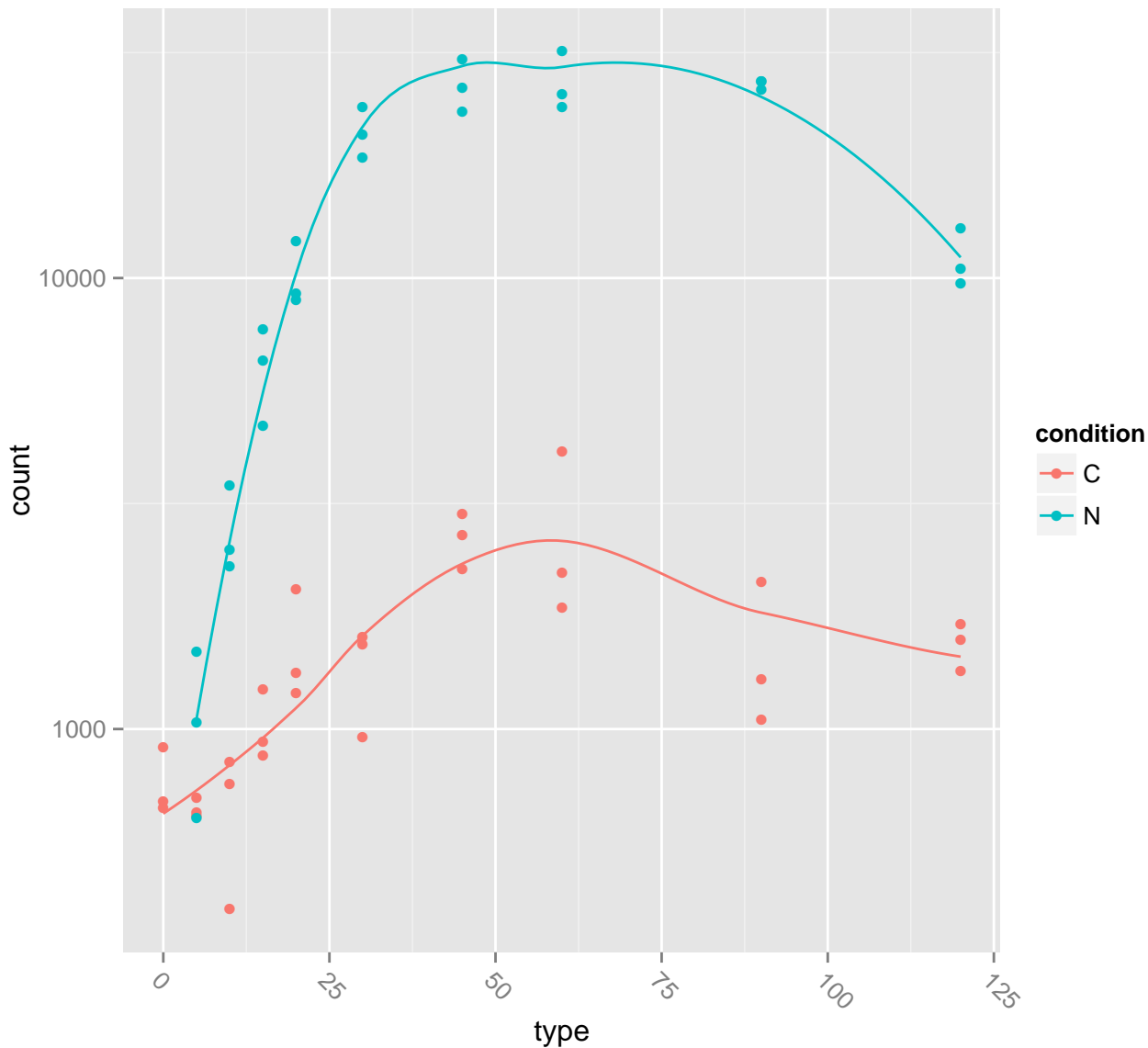
# AT1G64190

*6-phosphogluconate dehydrogenase family protein*



# AT1G24280

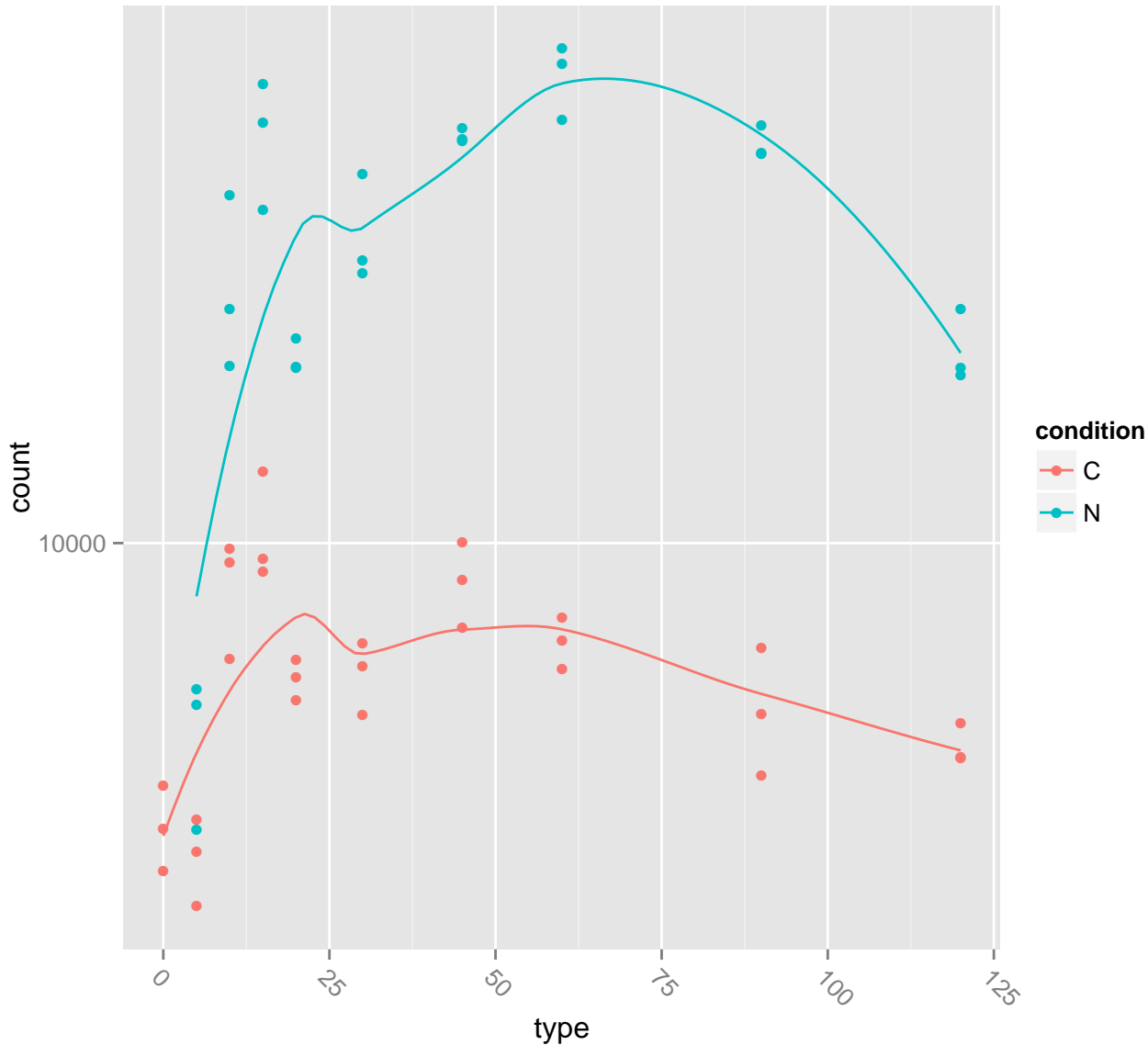
*"G6PD3, glucose-6-phosphate dehydrogenase 3"*





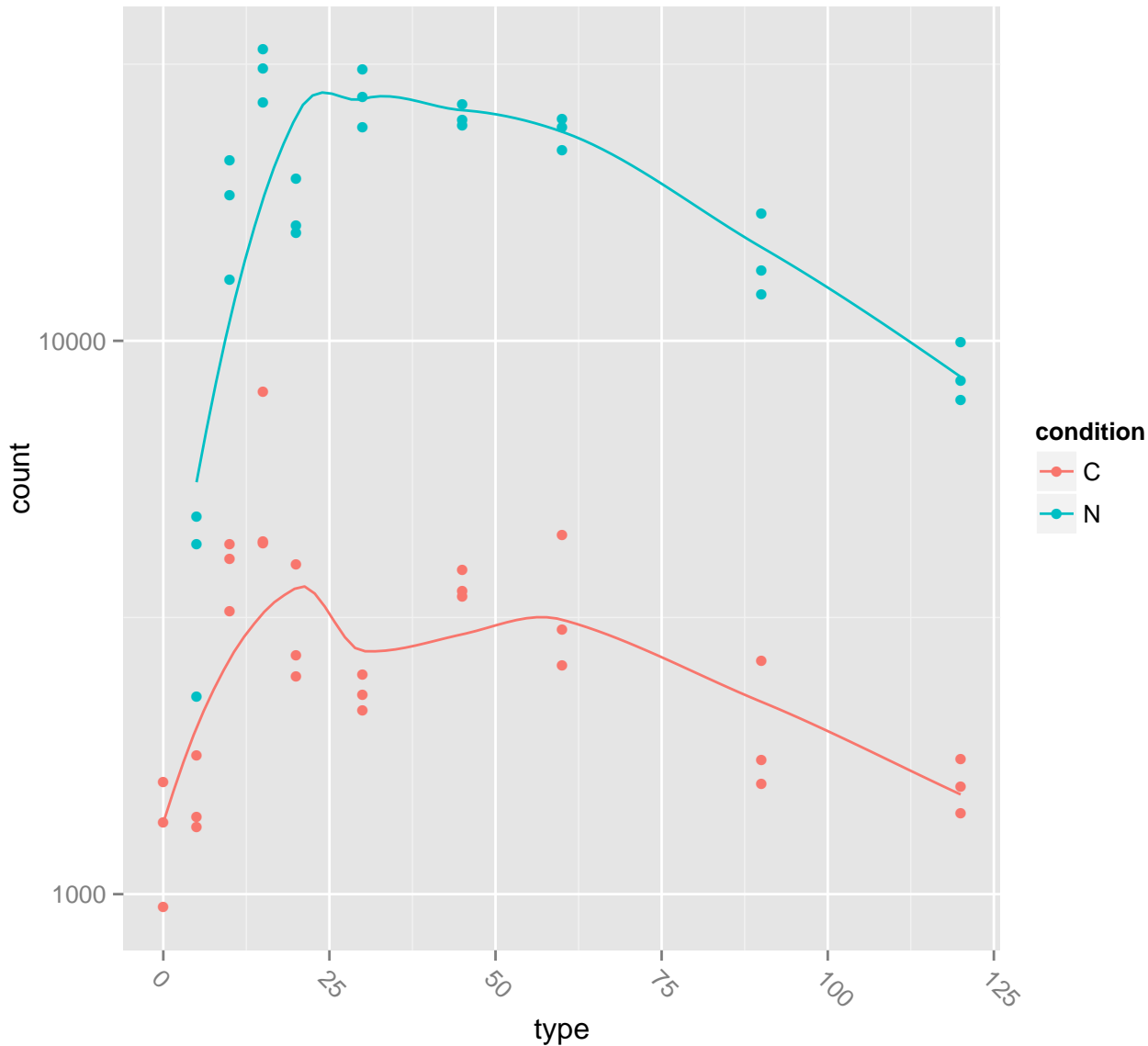
# AT1G43710

"emb1075, Pyridoxal phosphate (PLP)-dependent transferases superfamily protein"



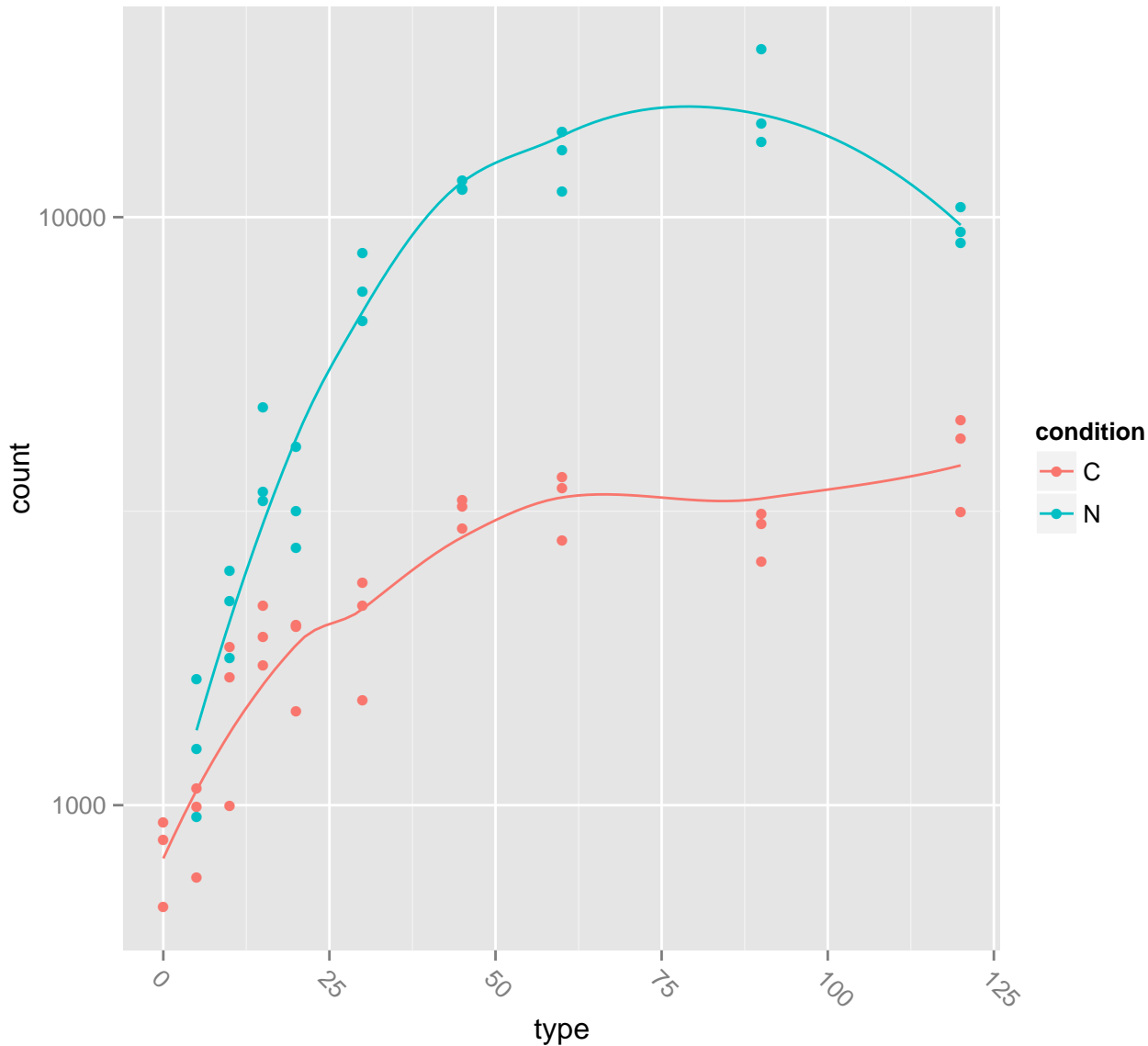
# AT5G67420

*"ASL39, LBD37, LOB domain-containing protein 37"*



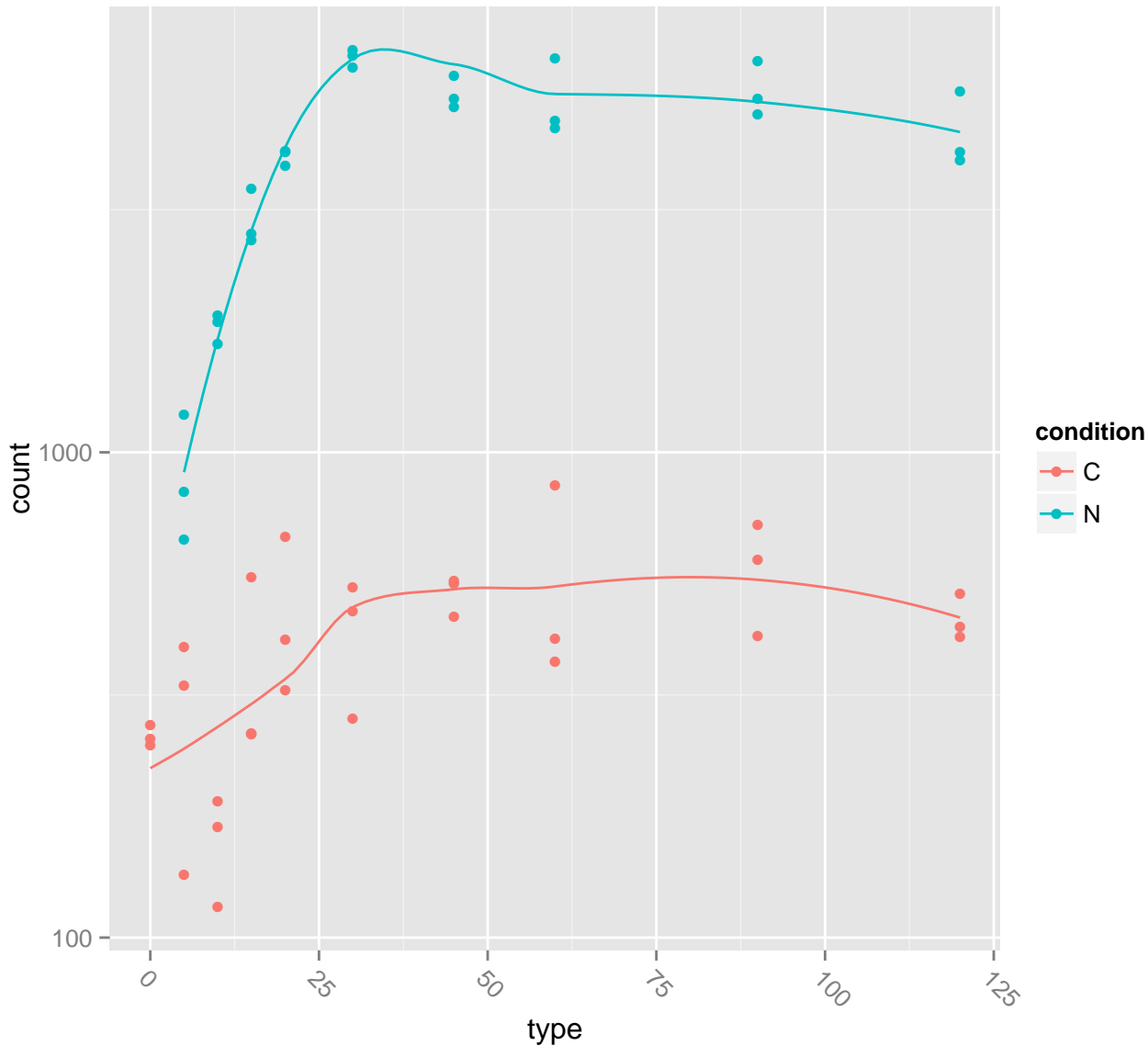
# AT1G70410

*"ATBCA4, BCA4, CA4, beta carbonic anhydrase 4"*



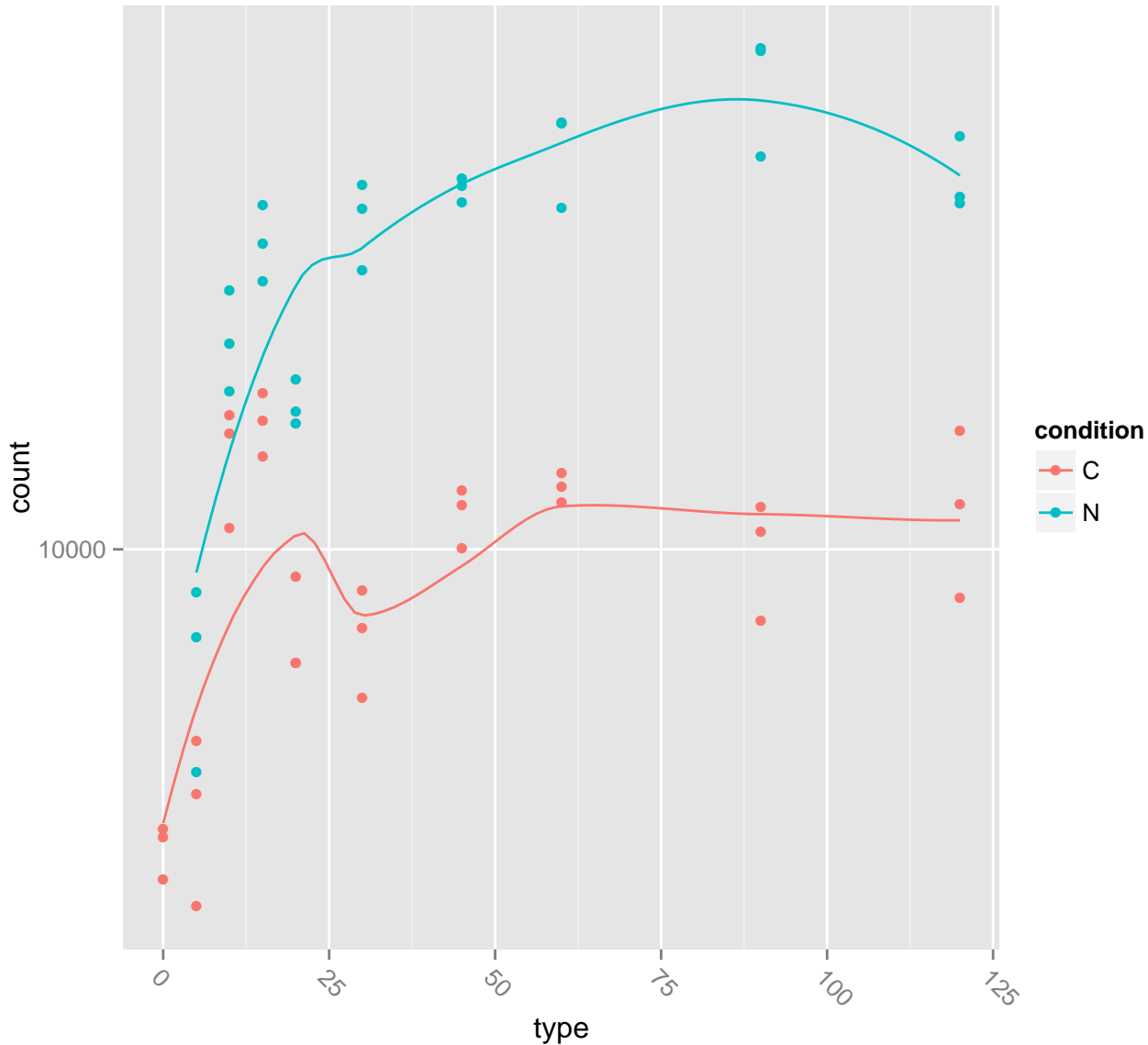
# AT5G10210

*is: unknown protein (TAIR:AT5G65030.1); Has 1807 Blast hits to 1807 proteins in 277 sp*



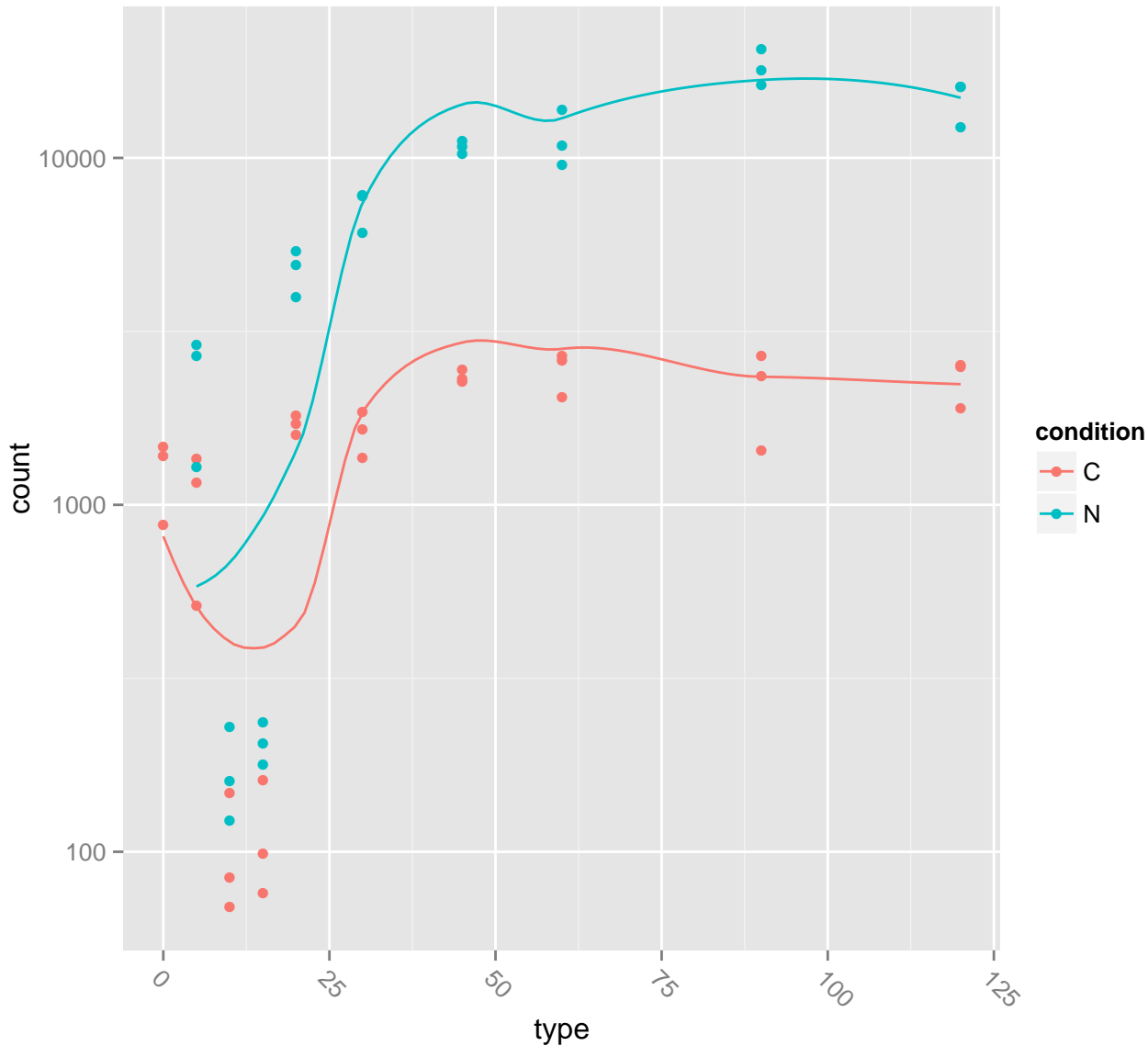
# AT5G50200

*"ATNRT3.1, NRT3.1, WR3, nitrate transmembrane transporters"*



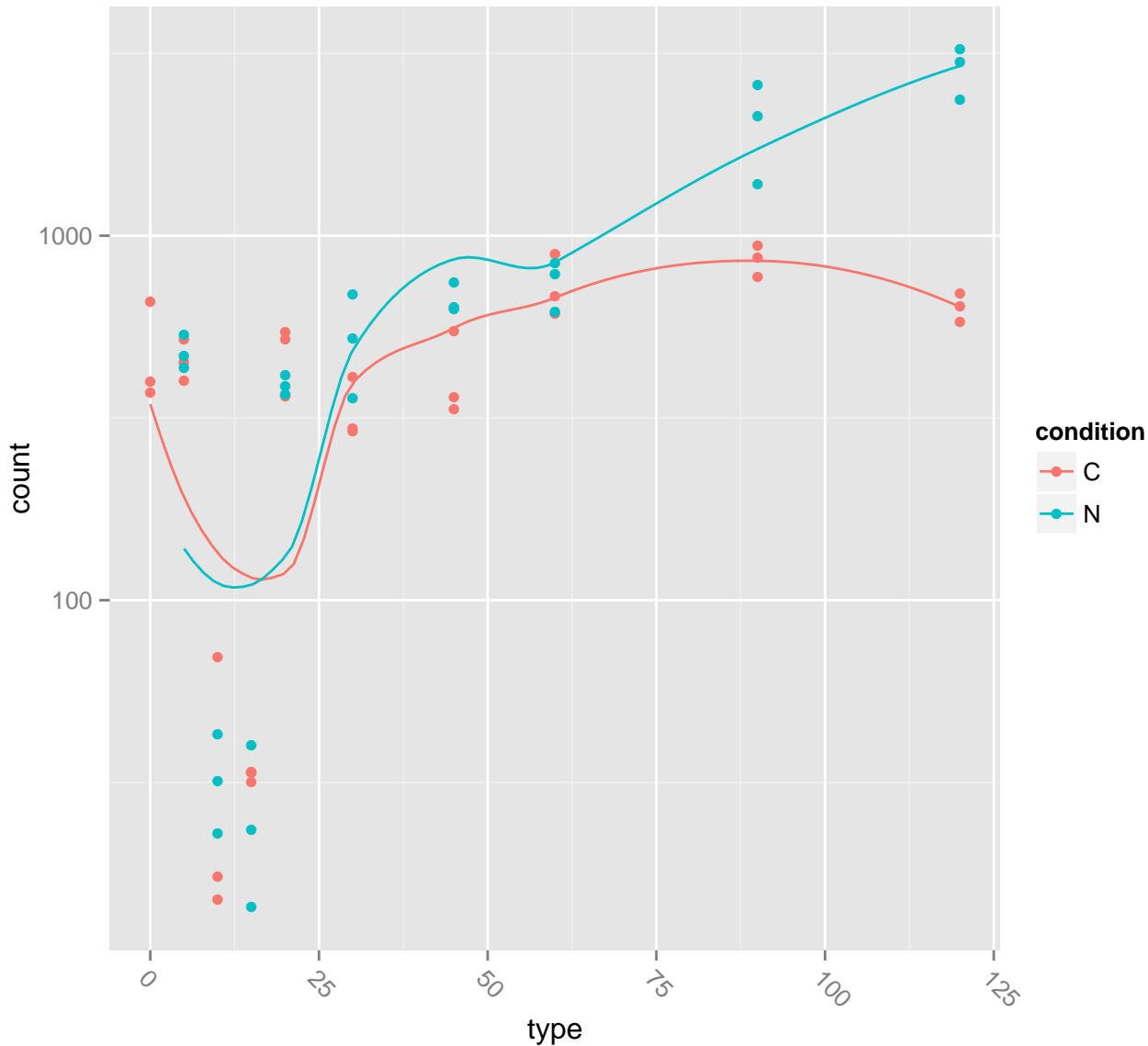
# AT1G49860

"*ATGSTF14*, *GSTF14*, glutathione S-transferase (class phi) 14"



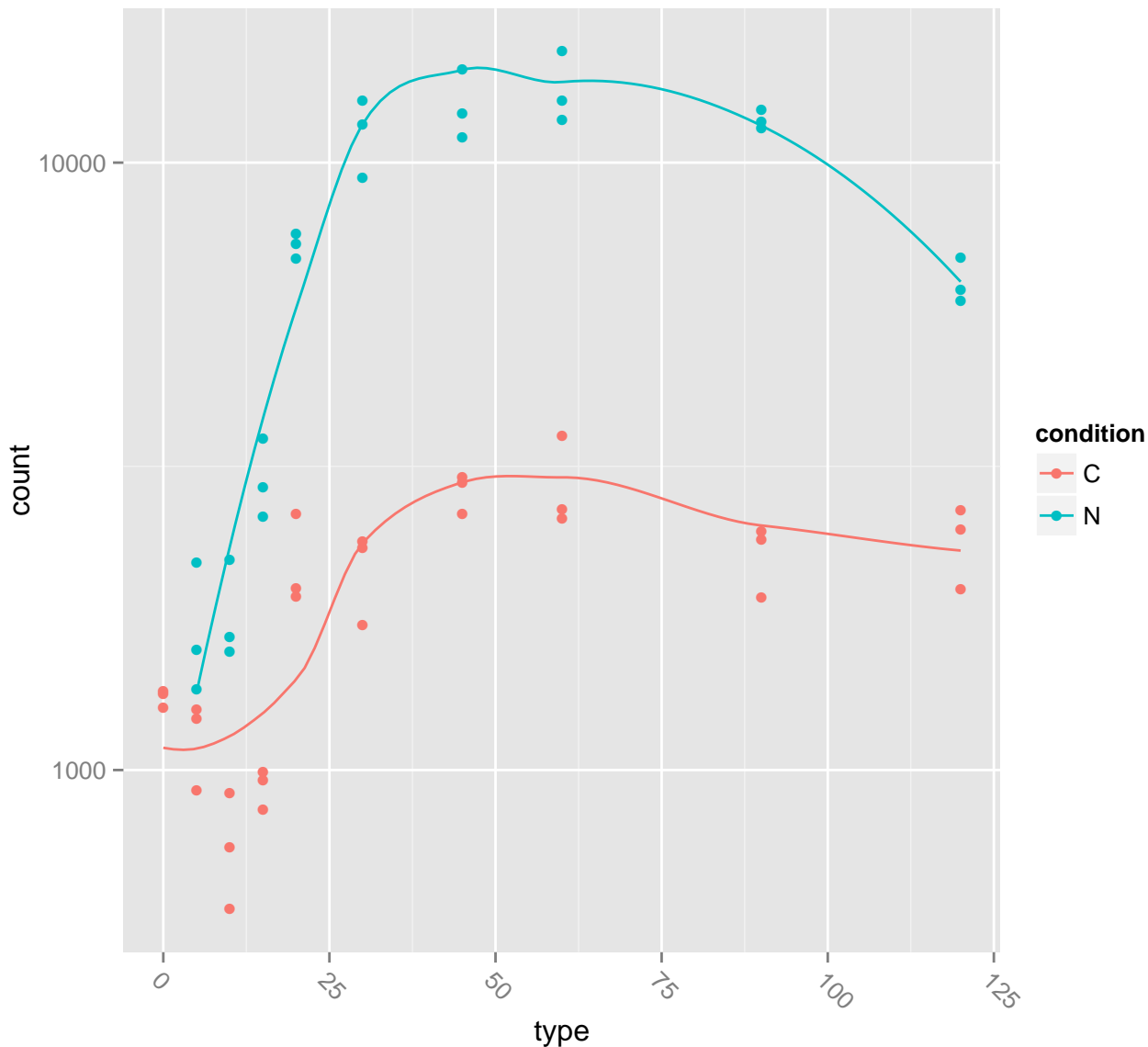
# AT5G20150

*"ATSPX1, SPX1, SPX domain gene 1"*



# AT5G13110

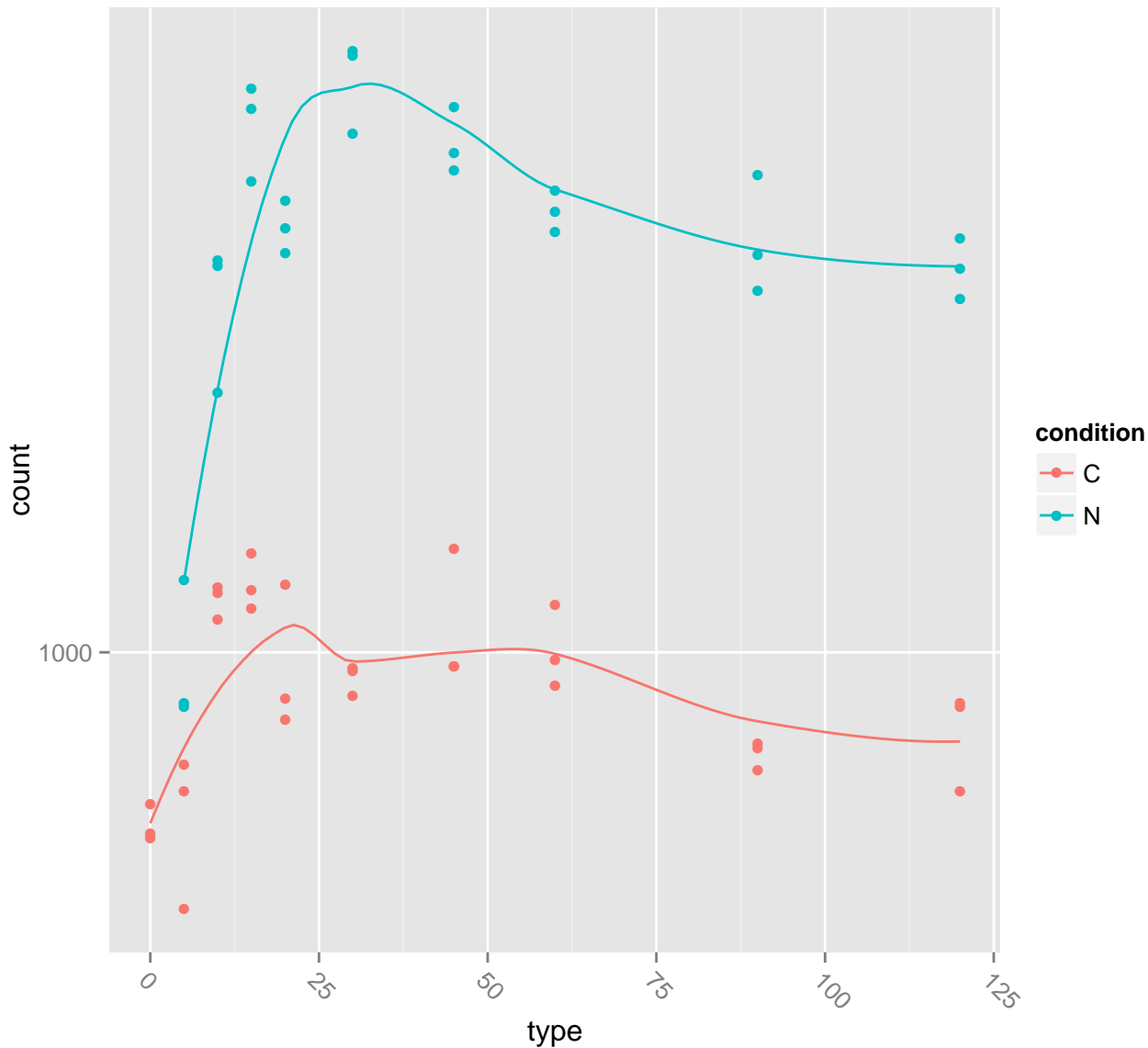
*"G6PD2, glucose-6-phosphate dehydrogenase 2"*





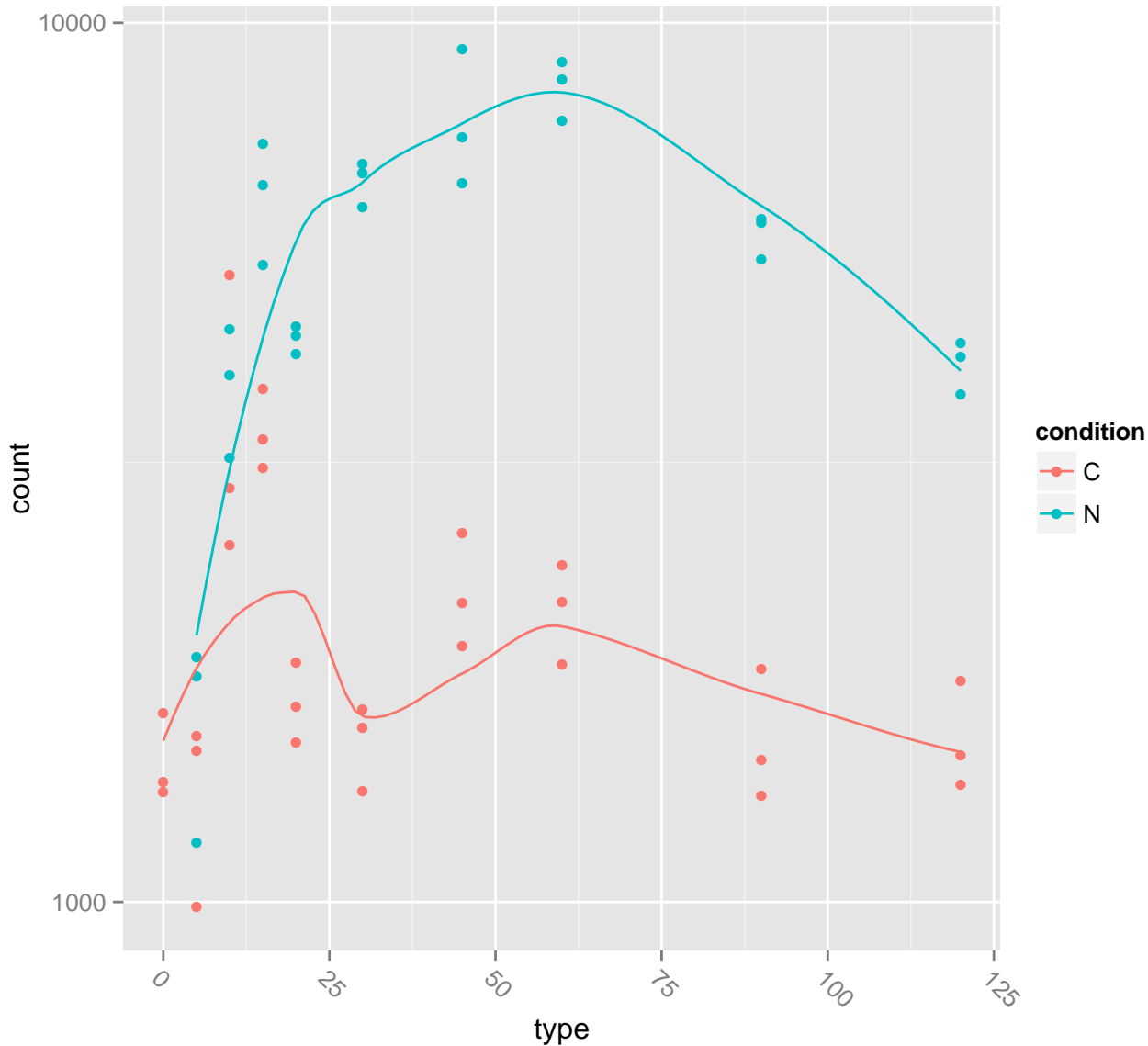
# AT1G25550

*myb-like transcription factor family protein*



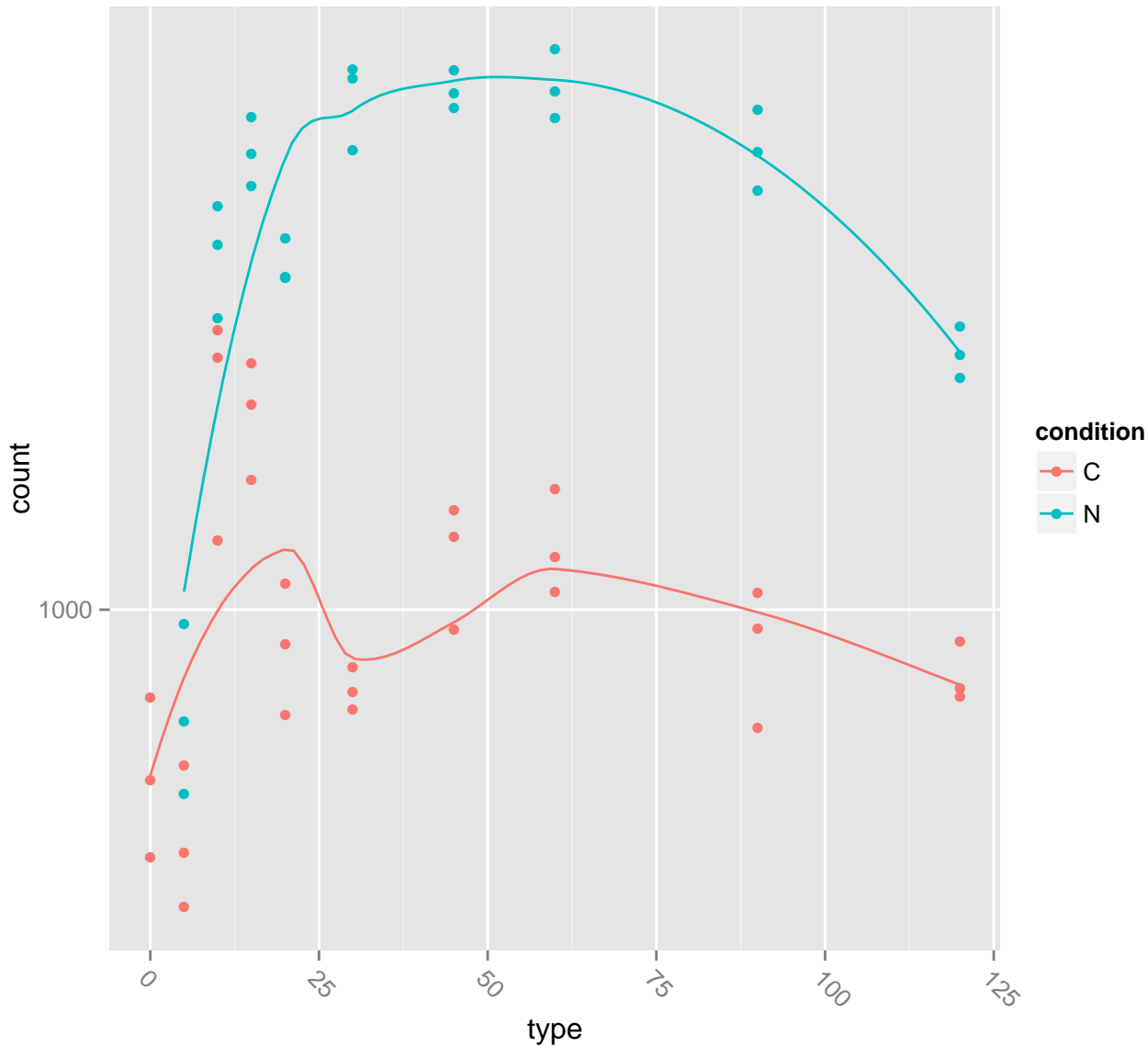
# AT3G47980

*Integral membrane HPP family protein*



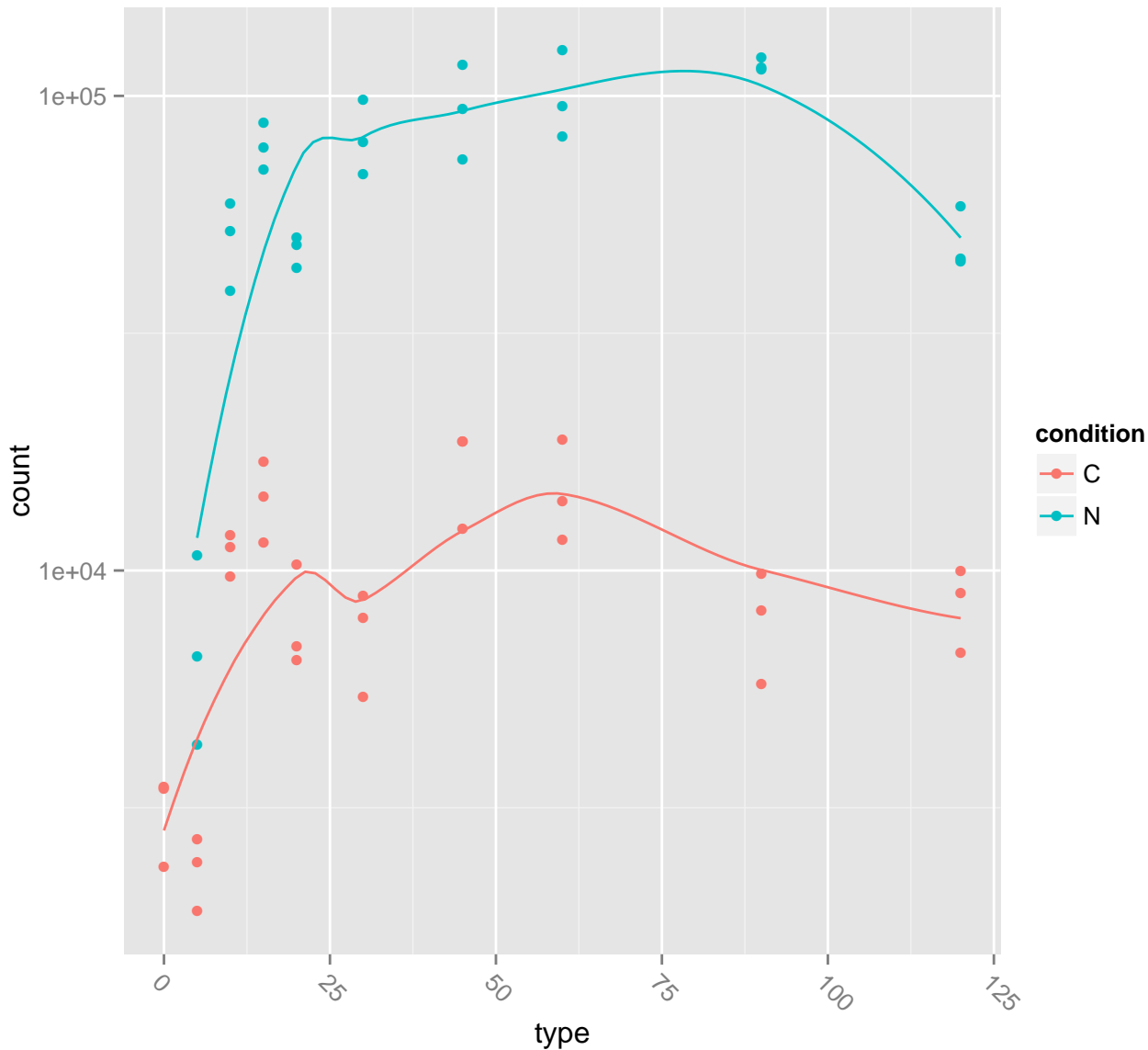
# AT4G36010

*Pathogenesis-related thaumatin superfamily protein*



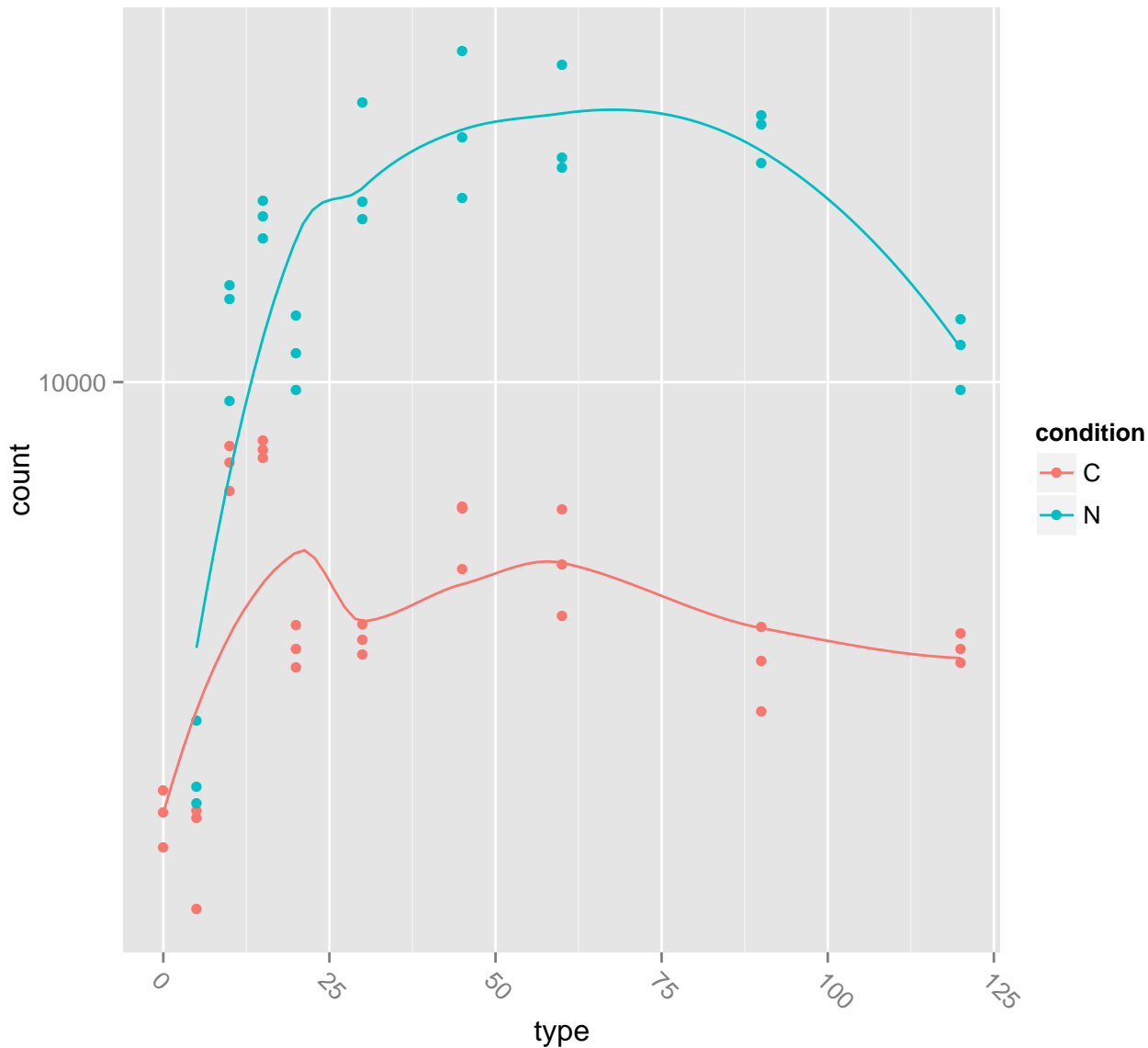
# AT2G15620

*"ATHNIR, NIR, NIR1, nitrite reductase 1"*



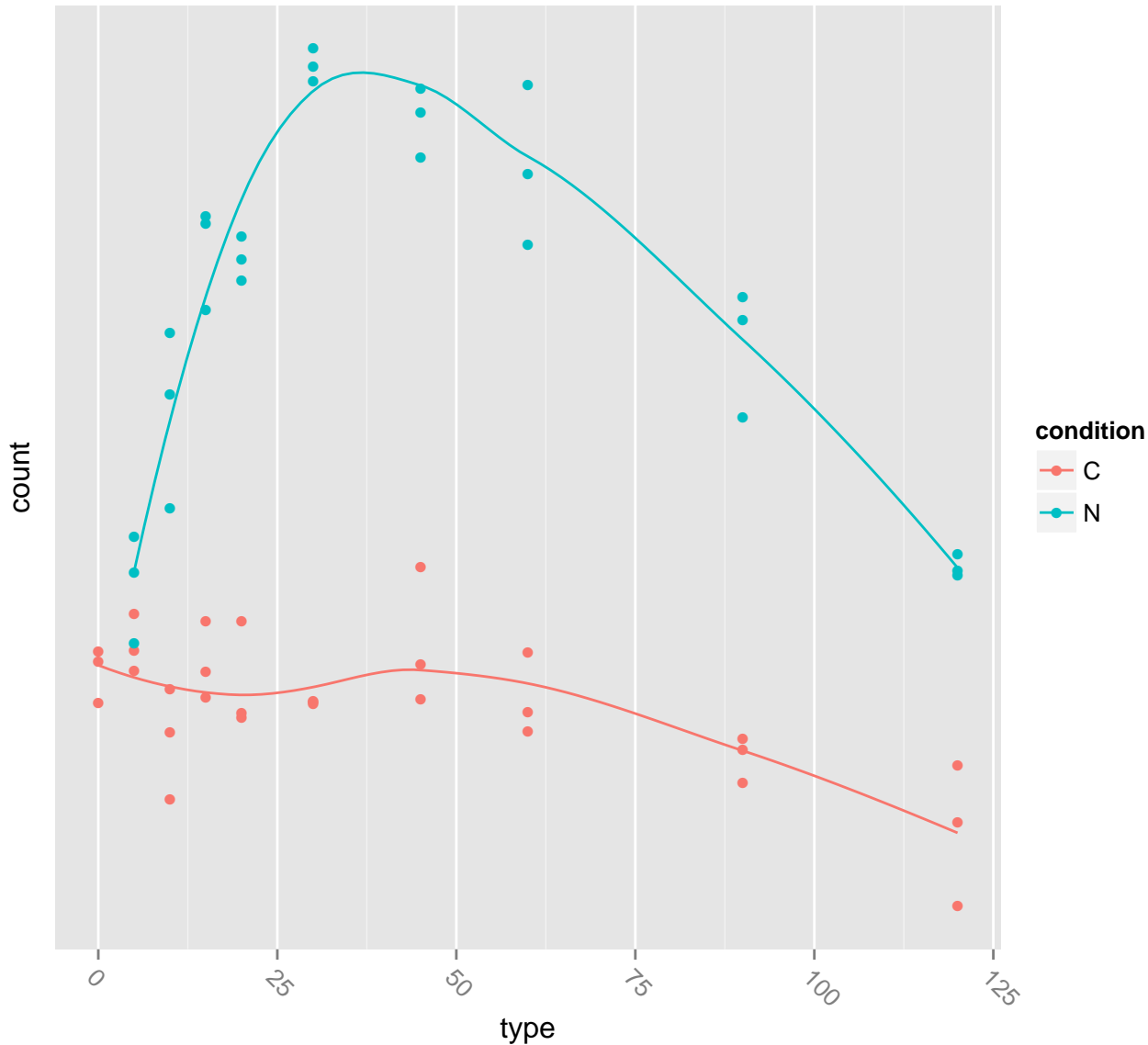
# AT5G12860

*"DiT1, dicarboxylate transporter 1"*



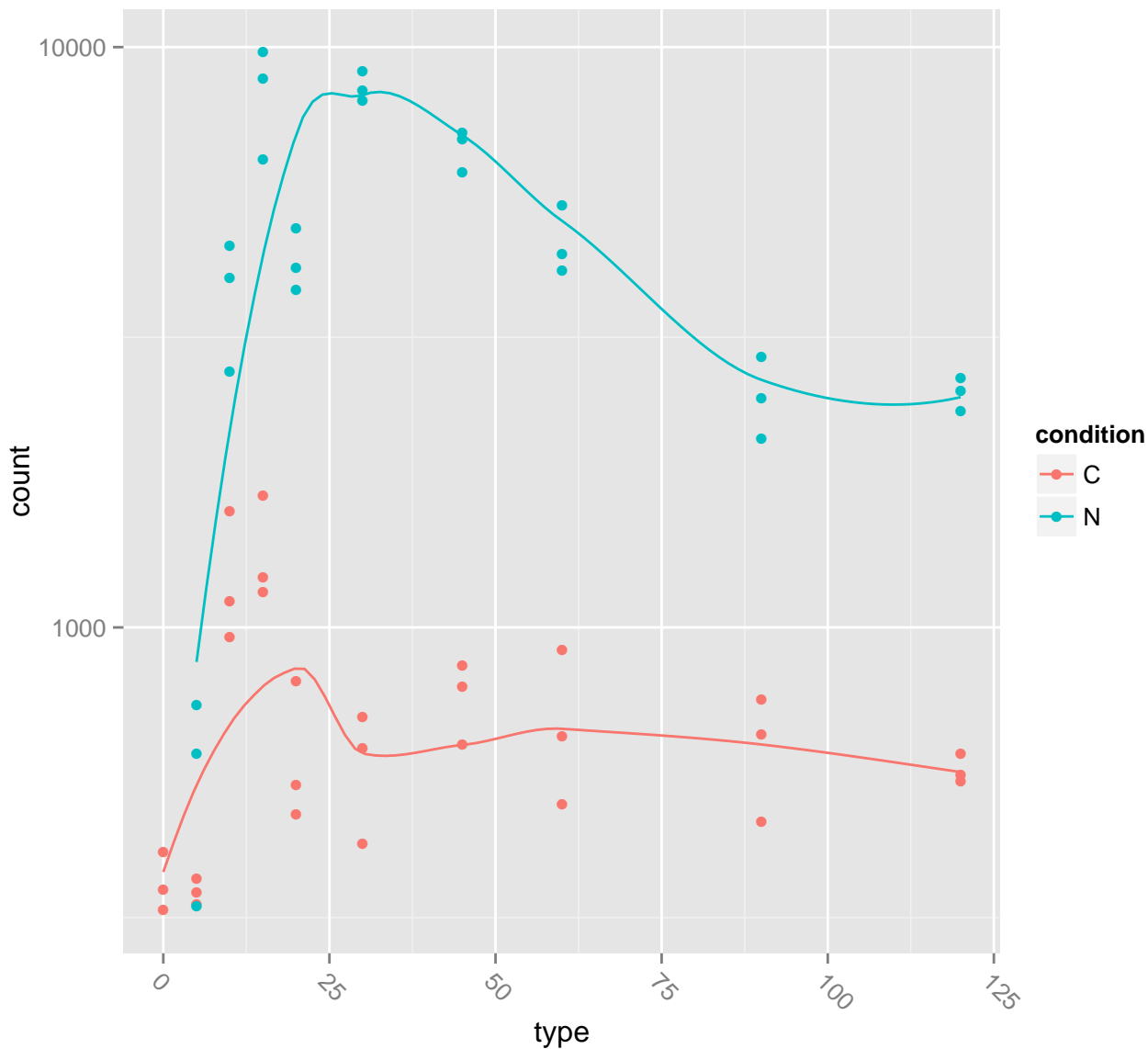
# AT2G46620

*P*-loop containing nucleoside triphosphate hydrolases superfamily protein



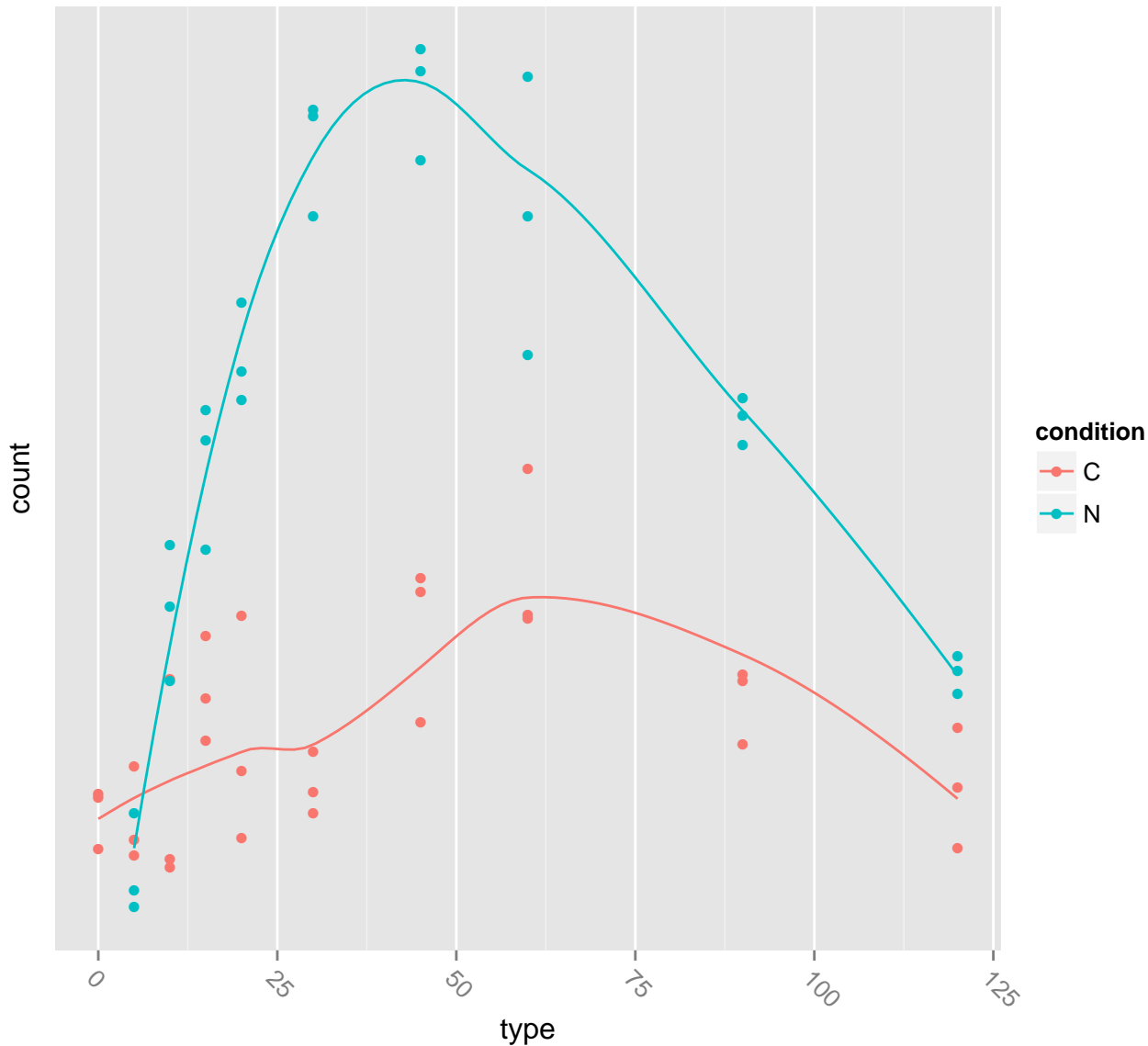
# AT1G13300

*"HRS1, myb-like transcription factor family protein"*



# AT2G17150

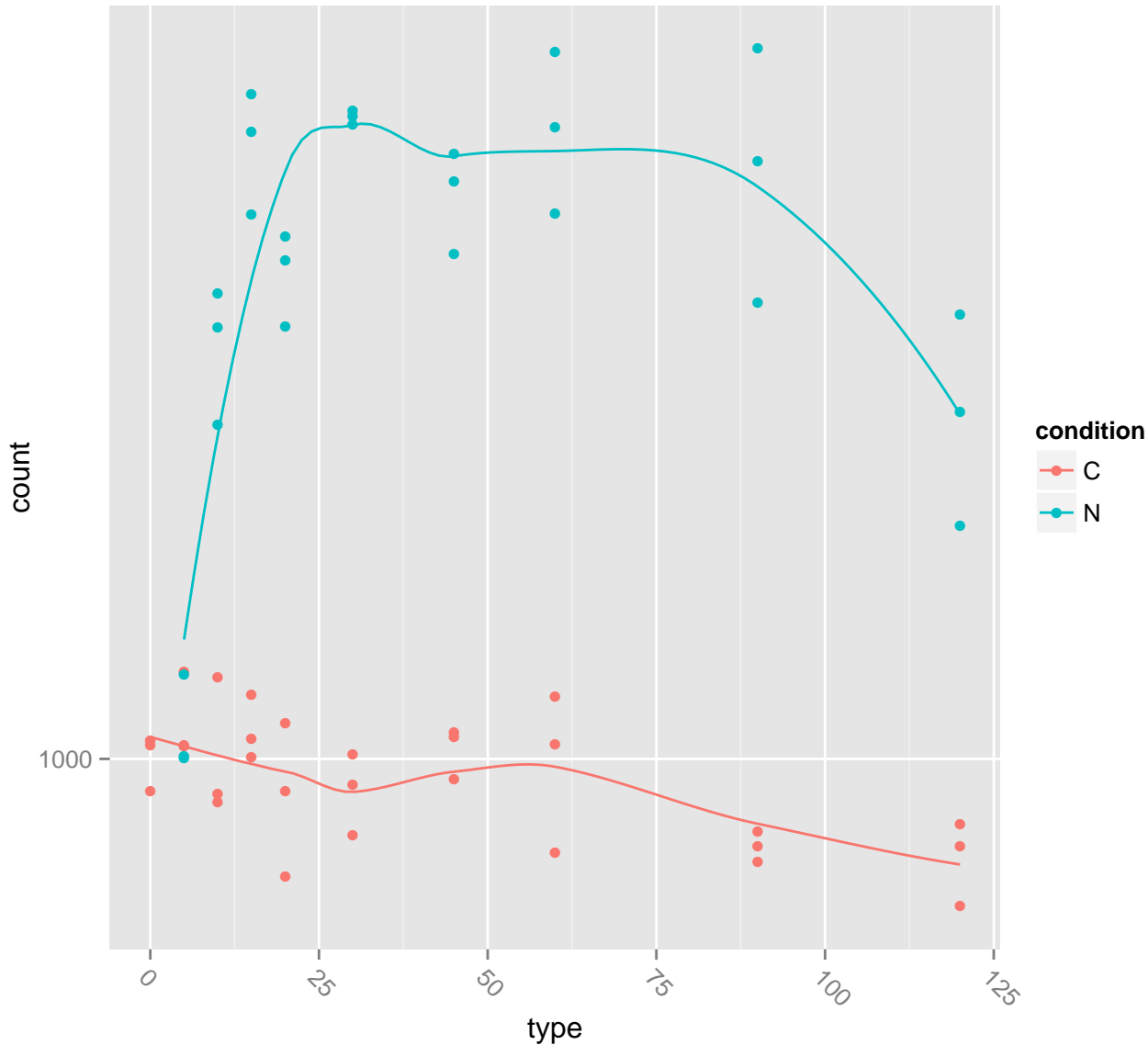
*Plant regulator RWP–RK family protein*





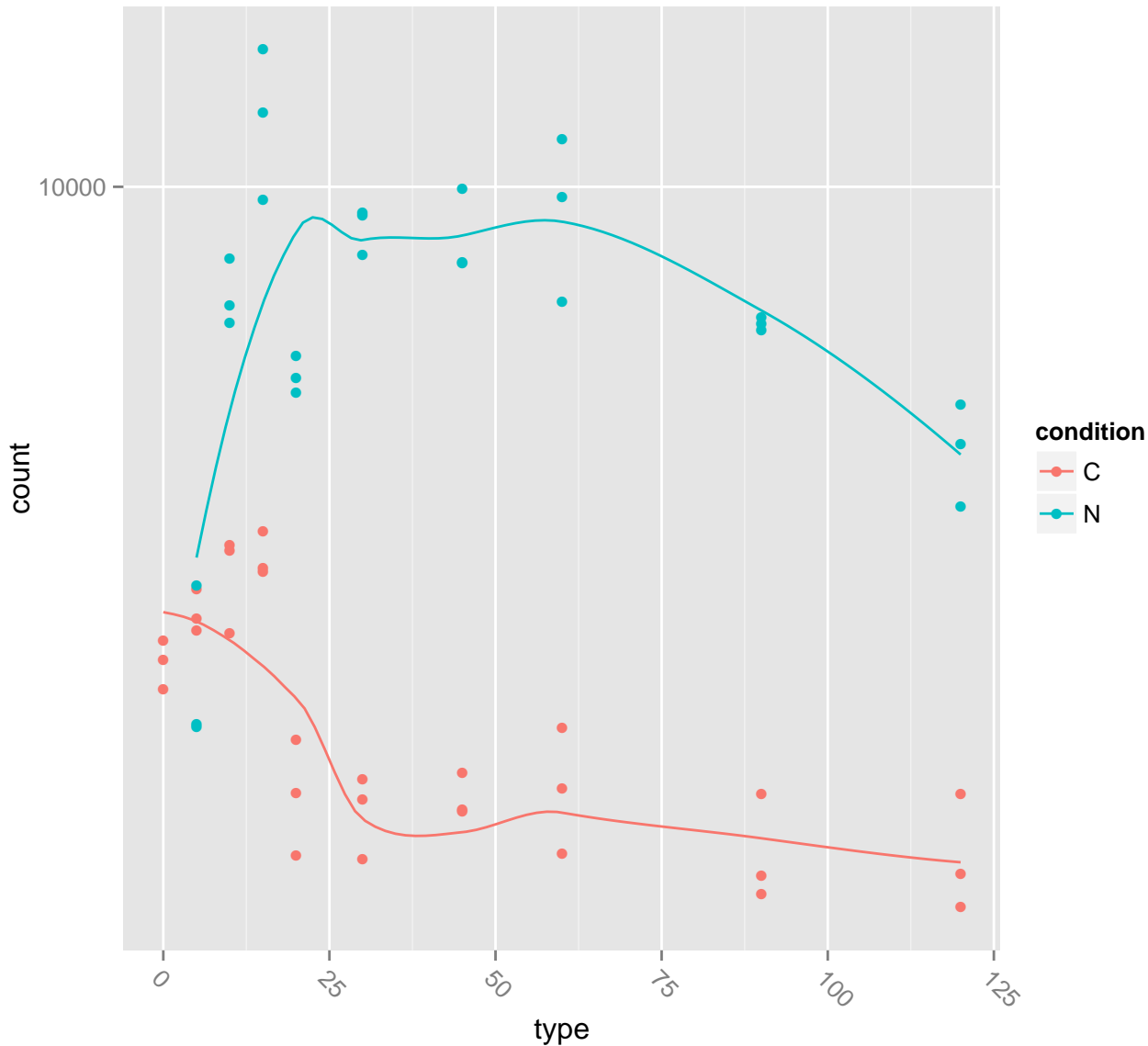
# AT5G54170

*Polyketide cyclase/dehydrase and lipid transport superfamily protein*



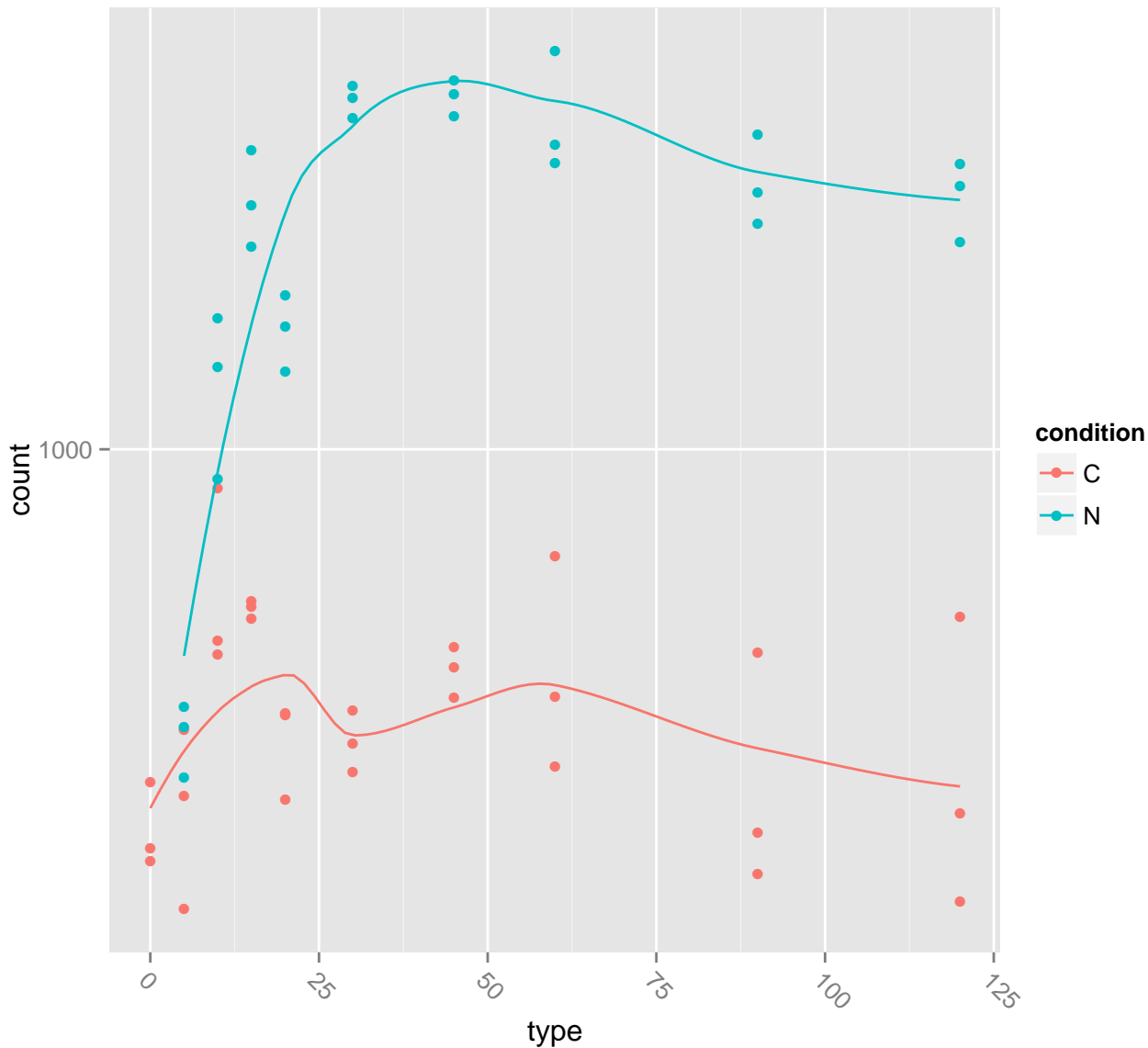
# AT5G58320

*Kinase interacting (KIP1-like) family protein*



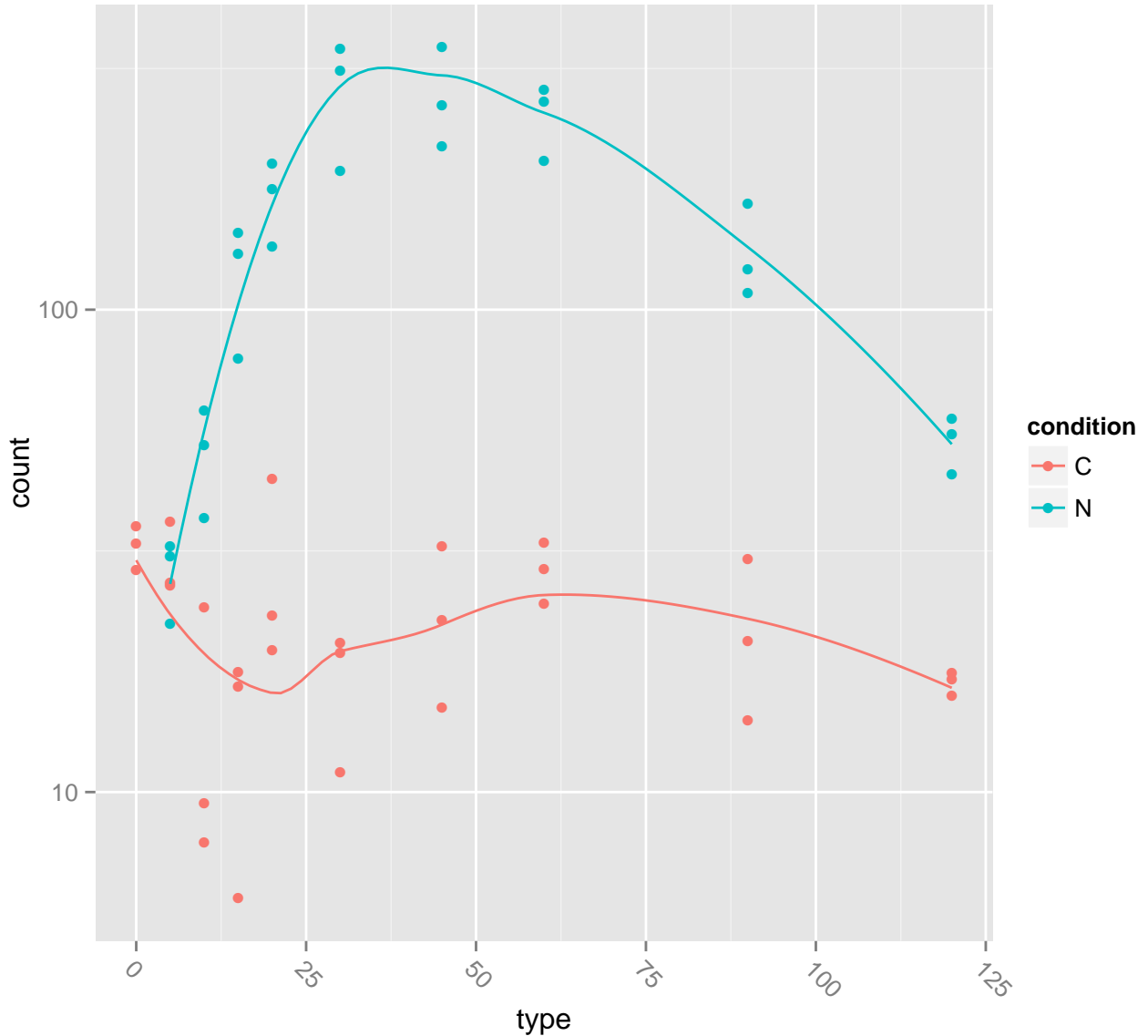
# AT1G68670

*myb-like transcription factor family protein*



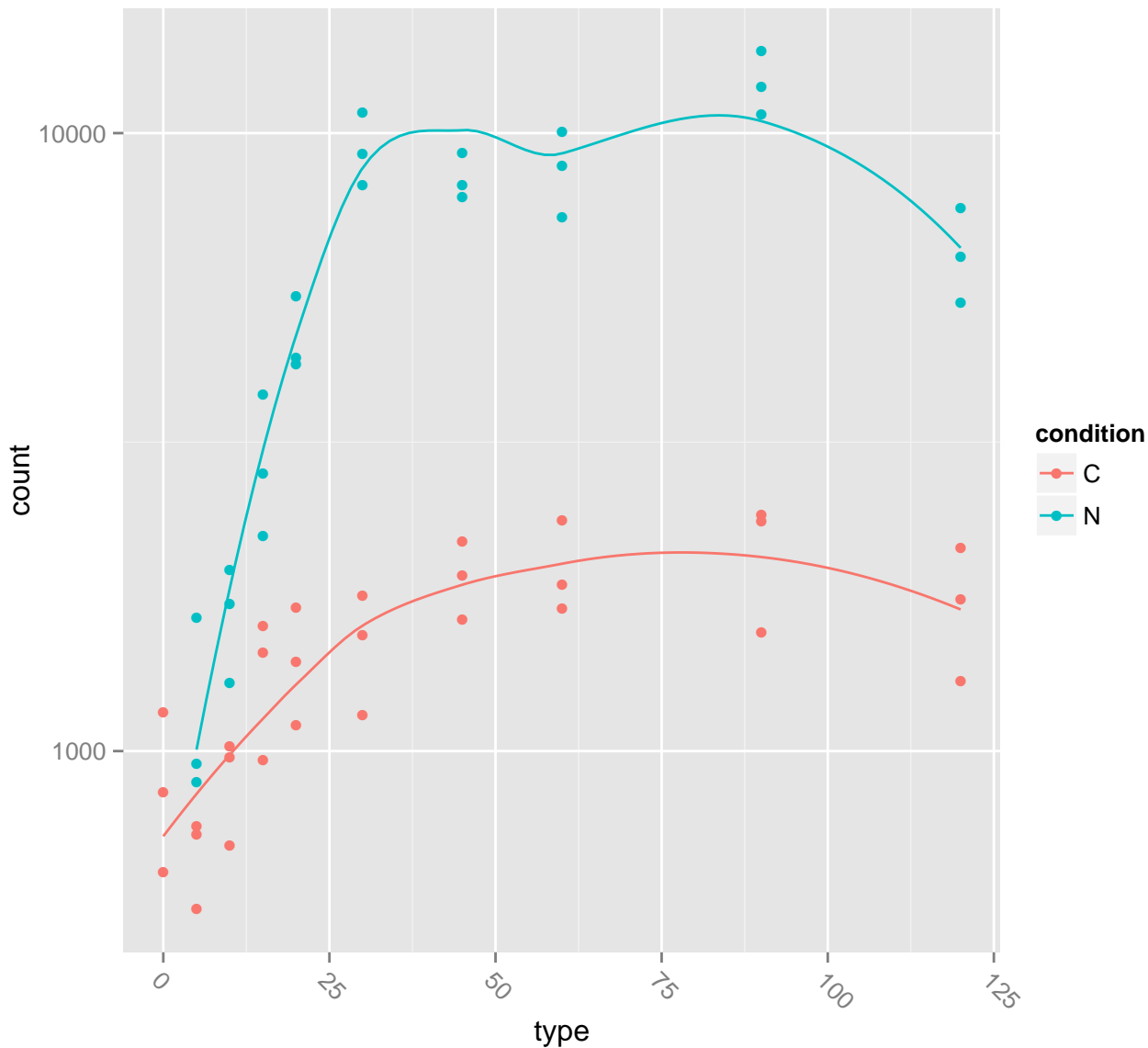
# AT3G44800

*Meprin and TRAF (MATH) homology domain-containing protein*



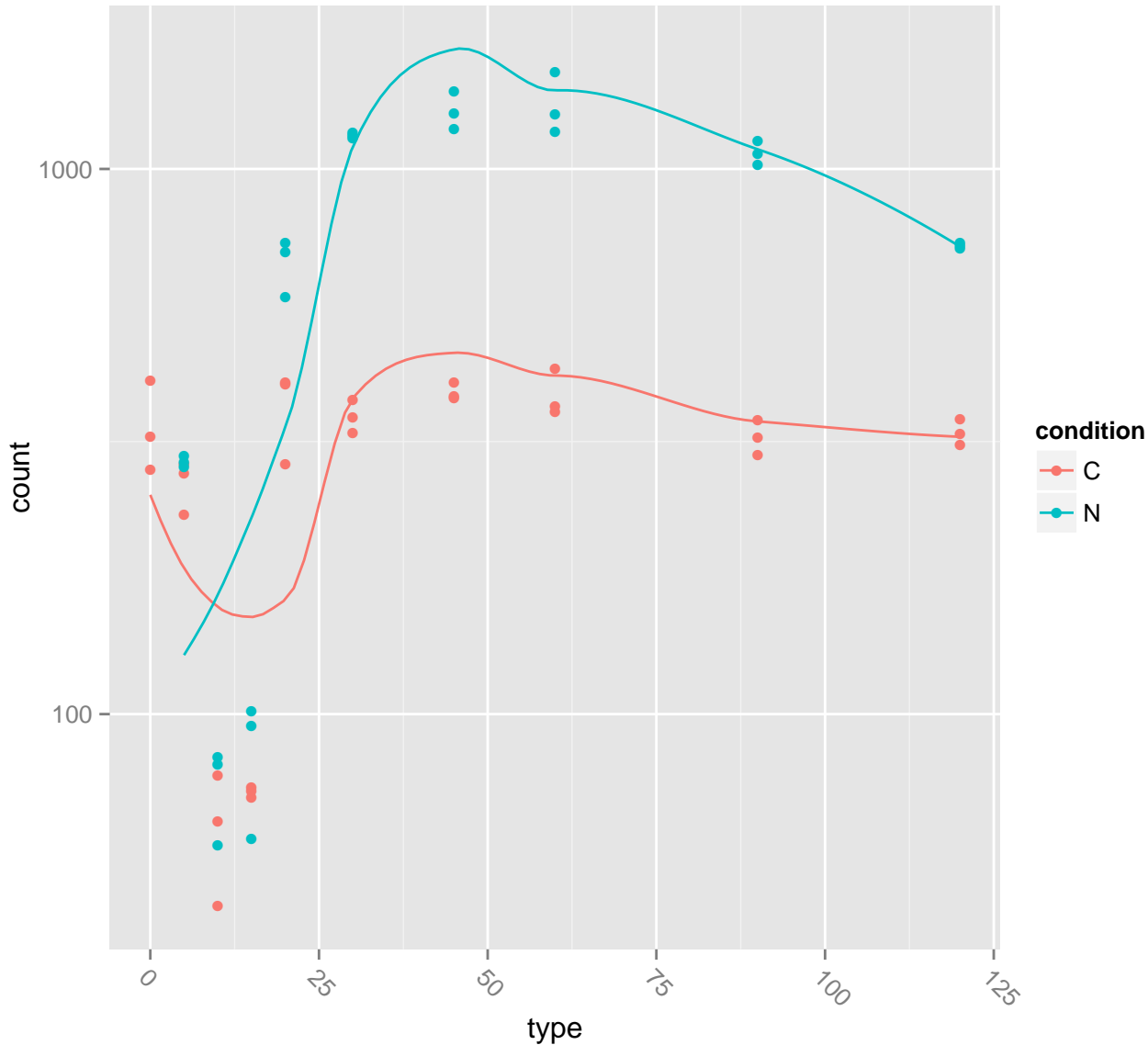
# AT4G18340

*Glycosyl hydrolase superfamily protein*



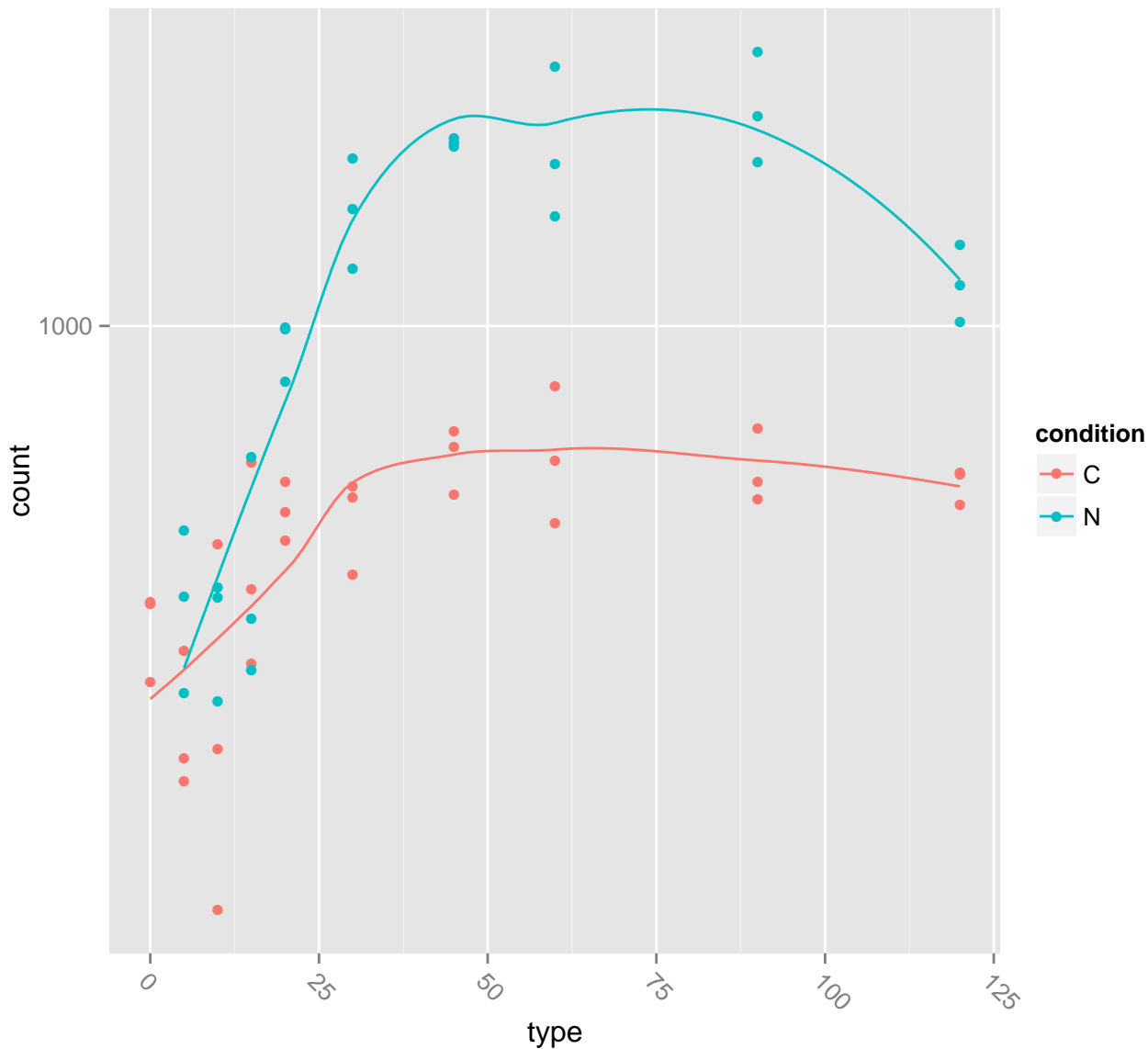
# AT5G08010

5732 Blast hits to 4319 proteins in 440 species: Archae – 66; Bacteria – 397; Metazoa



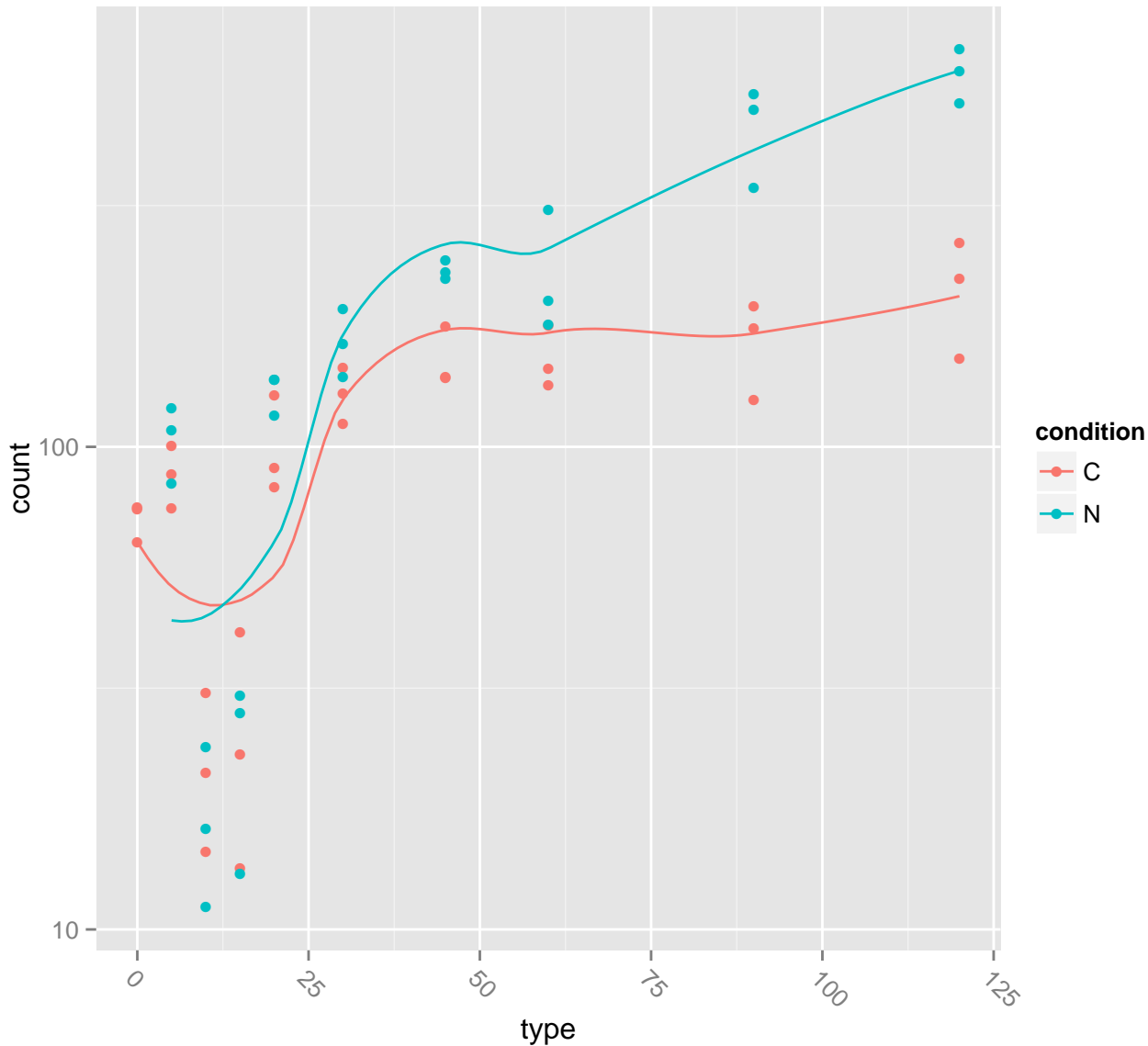
# AT4G24670

*"TAR2, tryptophan aminotransferase related 2"*



# AT1G52240

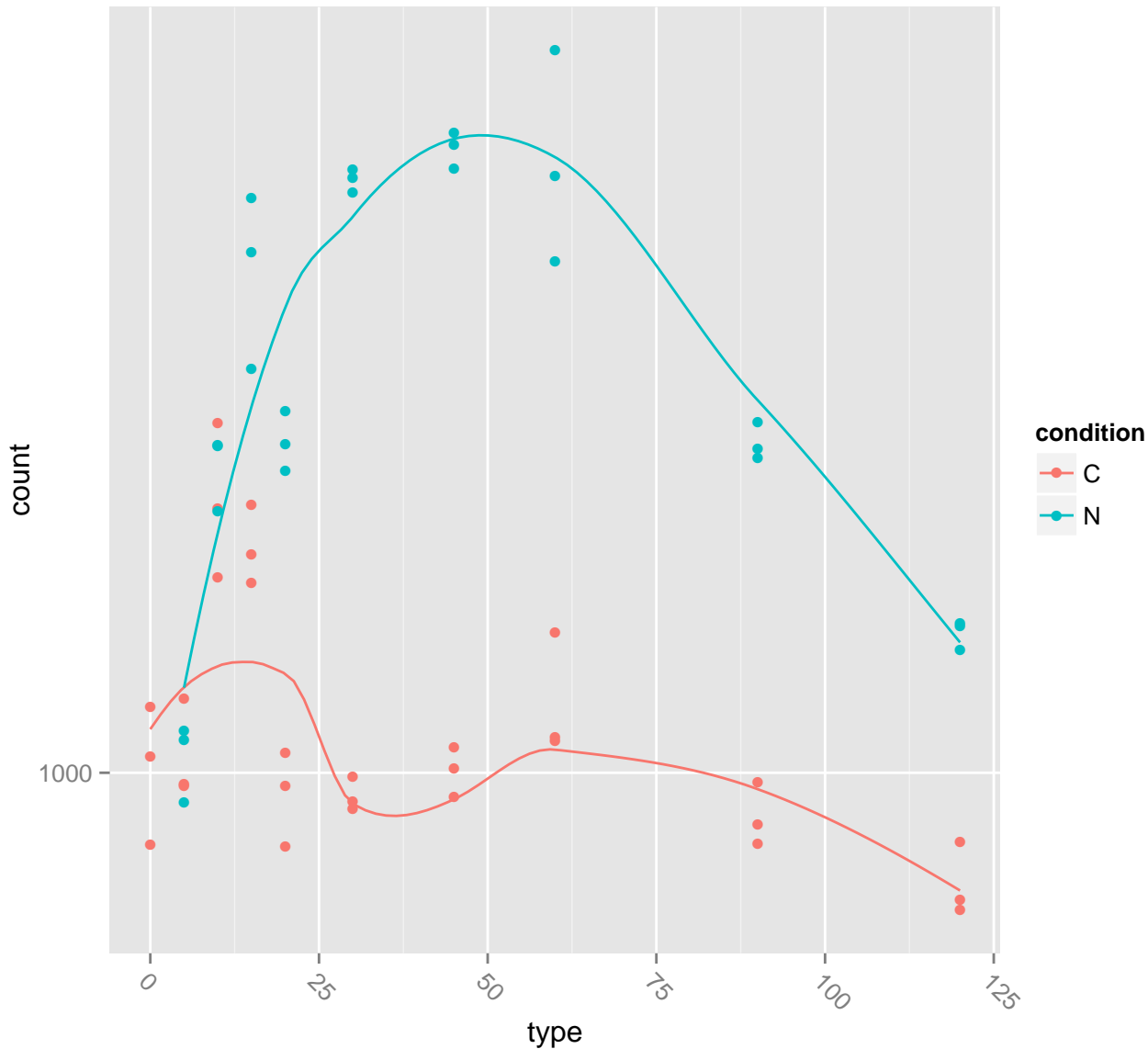
*ATROPGEF11, PIRF1, ROPGEF11, RHO guanyl-nucleotide exchange factor 11"*





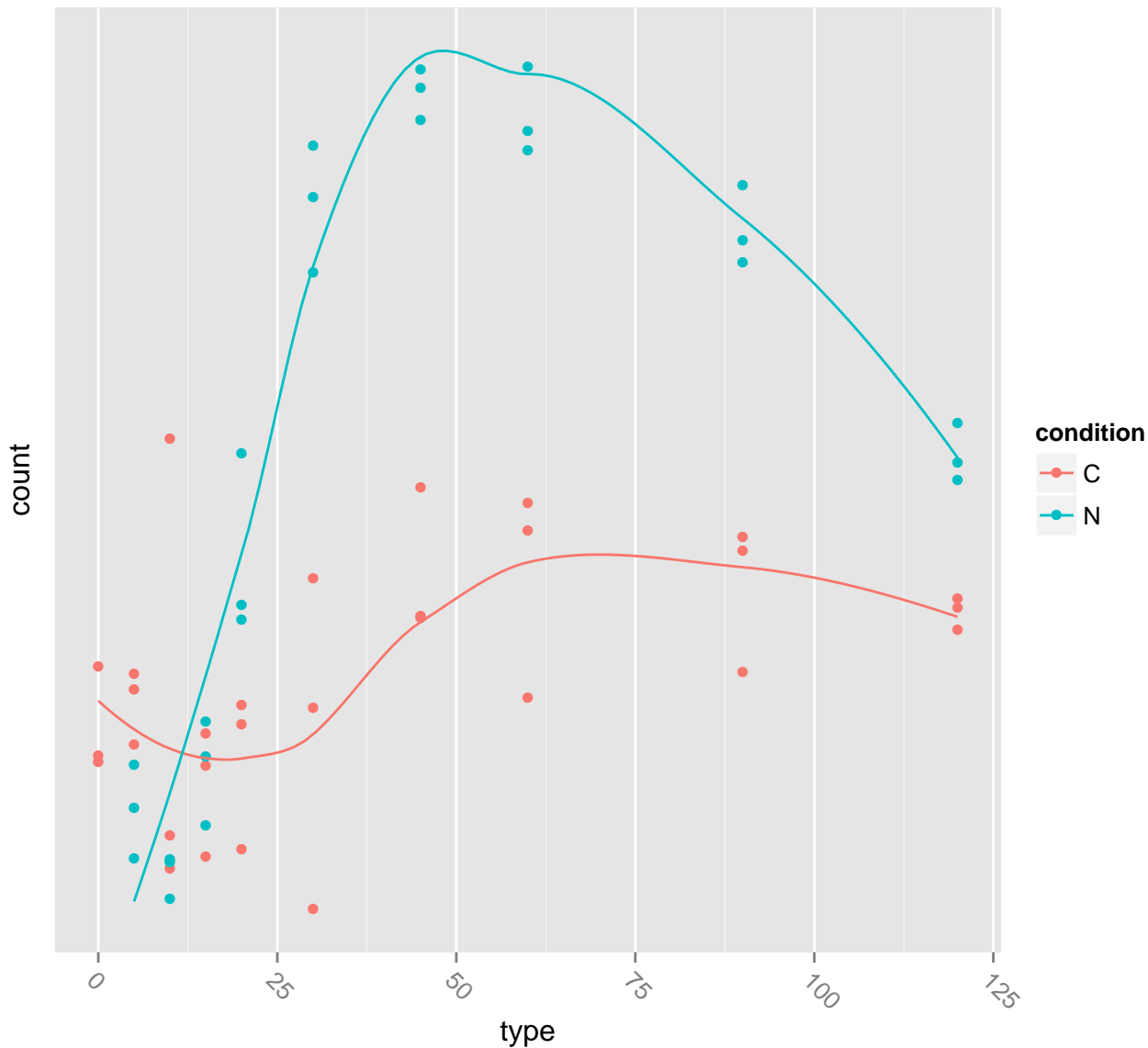
# AT5G20540

*"ATBRXL4, BRX-LIKE4, BRXL4, BREVIS RADIX-like 4"*



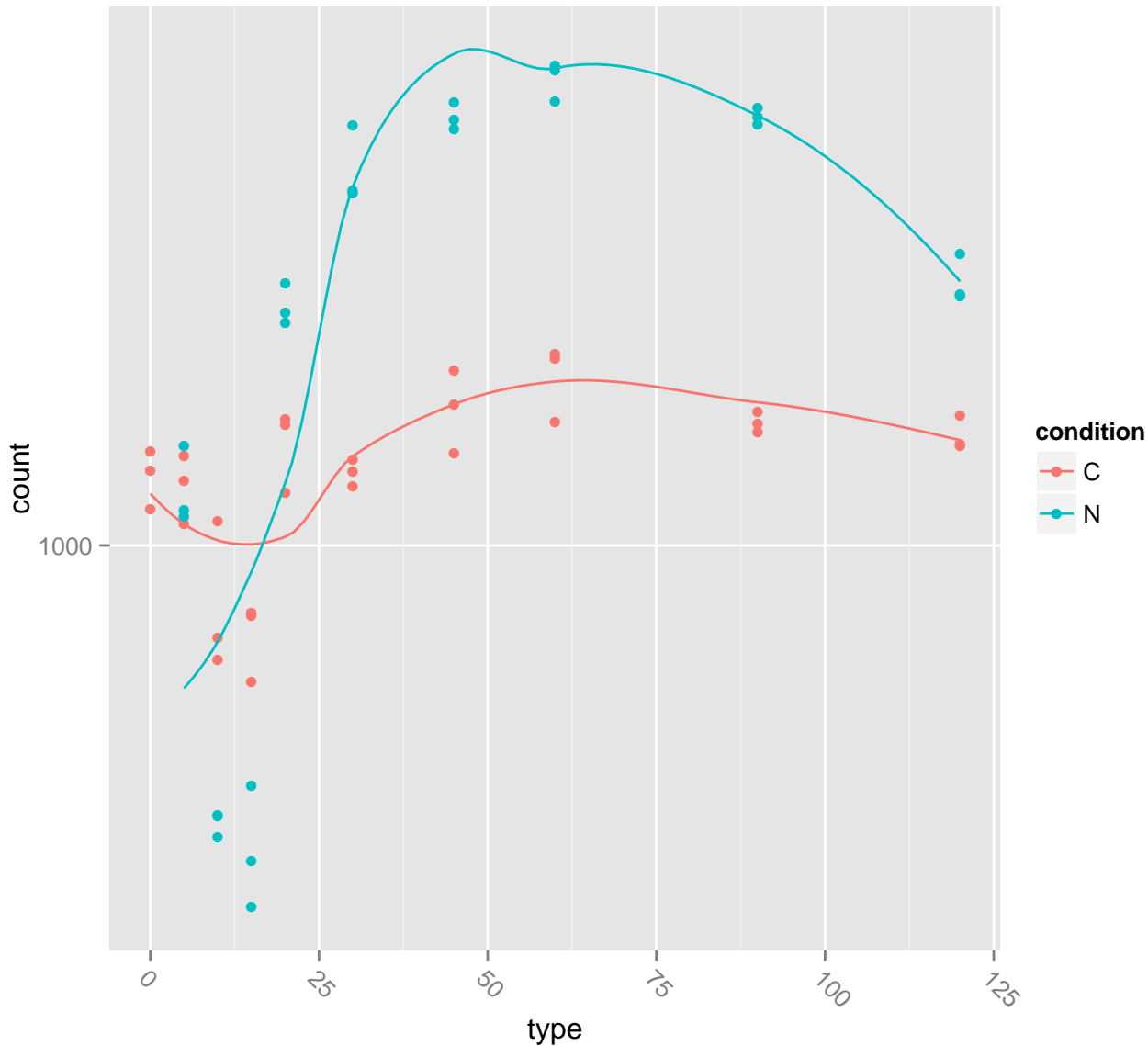
# AT1G56230

*Protein of unknown function (DUF1399)*



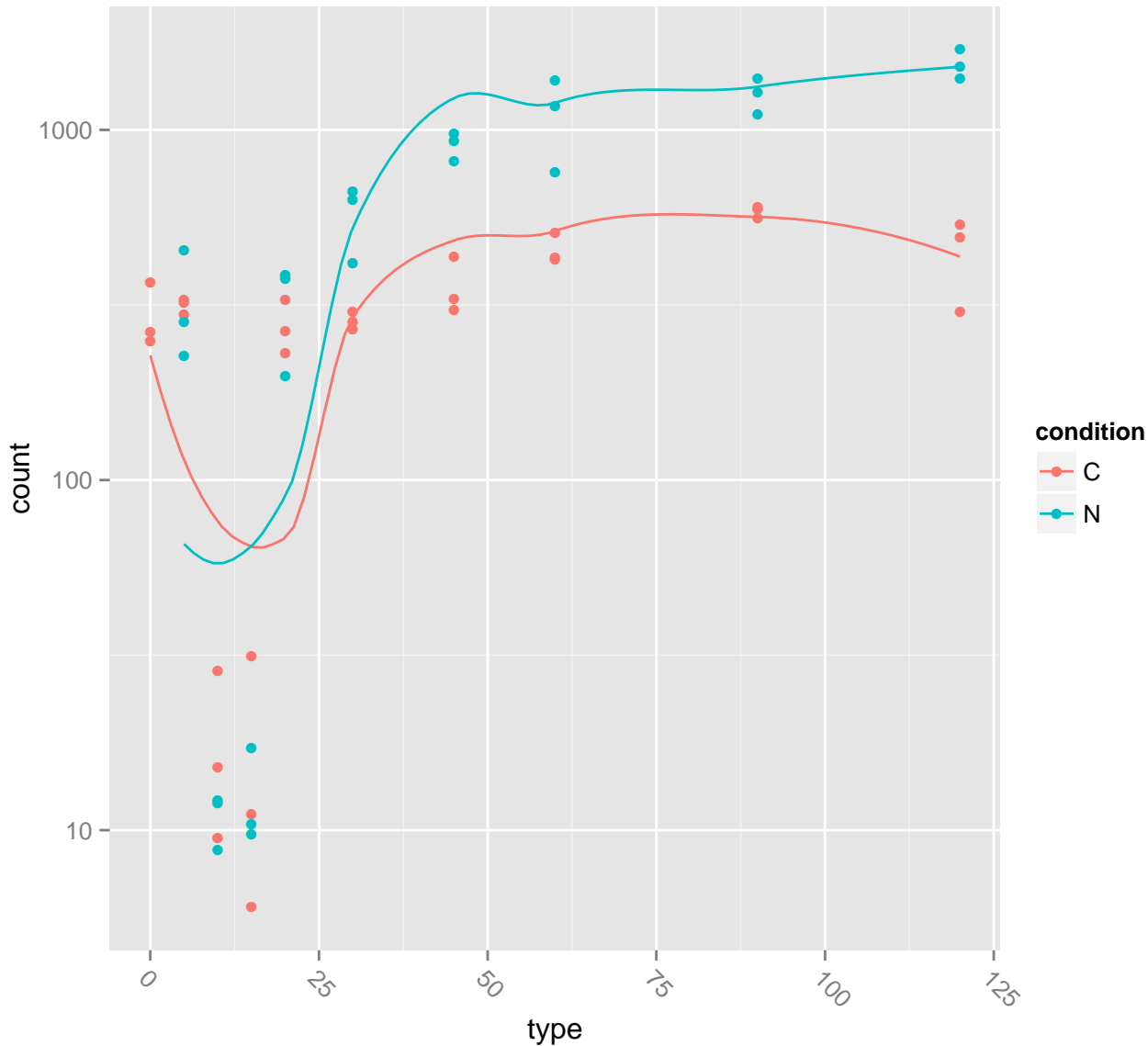
# AT3G58760

*Integrin-linked protein kinase family*



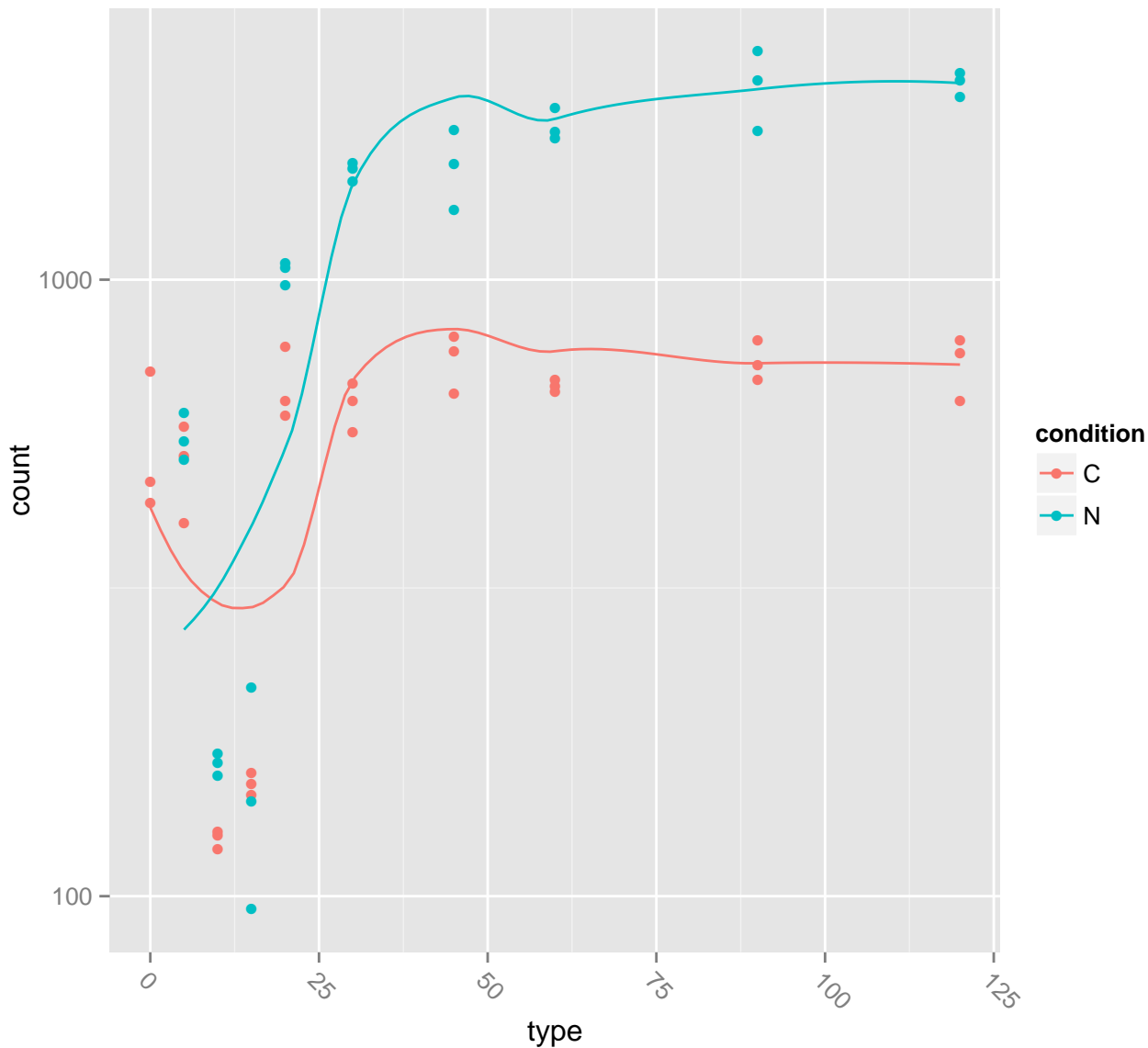
# AT3G19200

4419.1); Has 51 Blast hits to 51 proteins in 10 species: Archae - 0; Bacteria - 0; Metazo



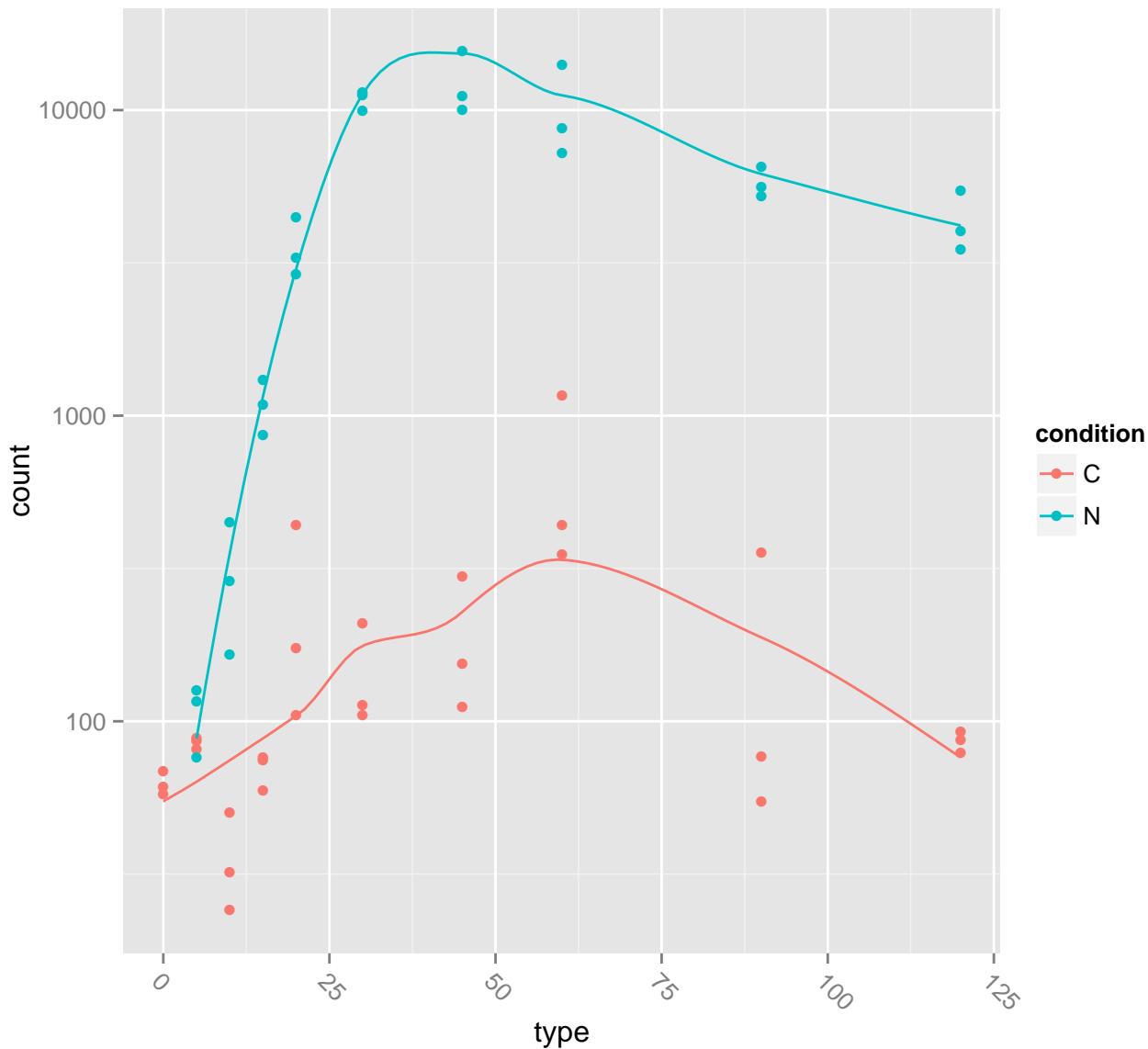
# AT3G25890

*Integrase-type DNA-binding superfamily protein*



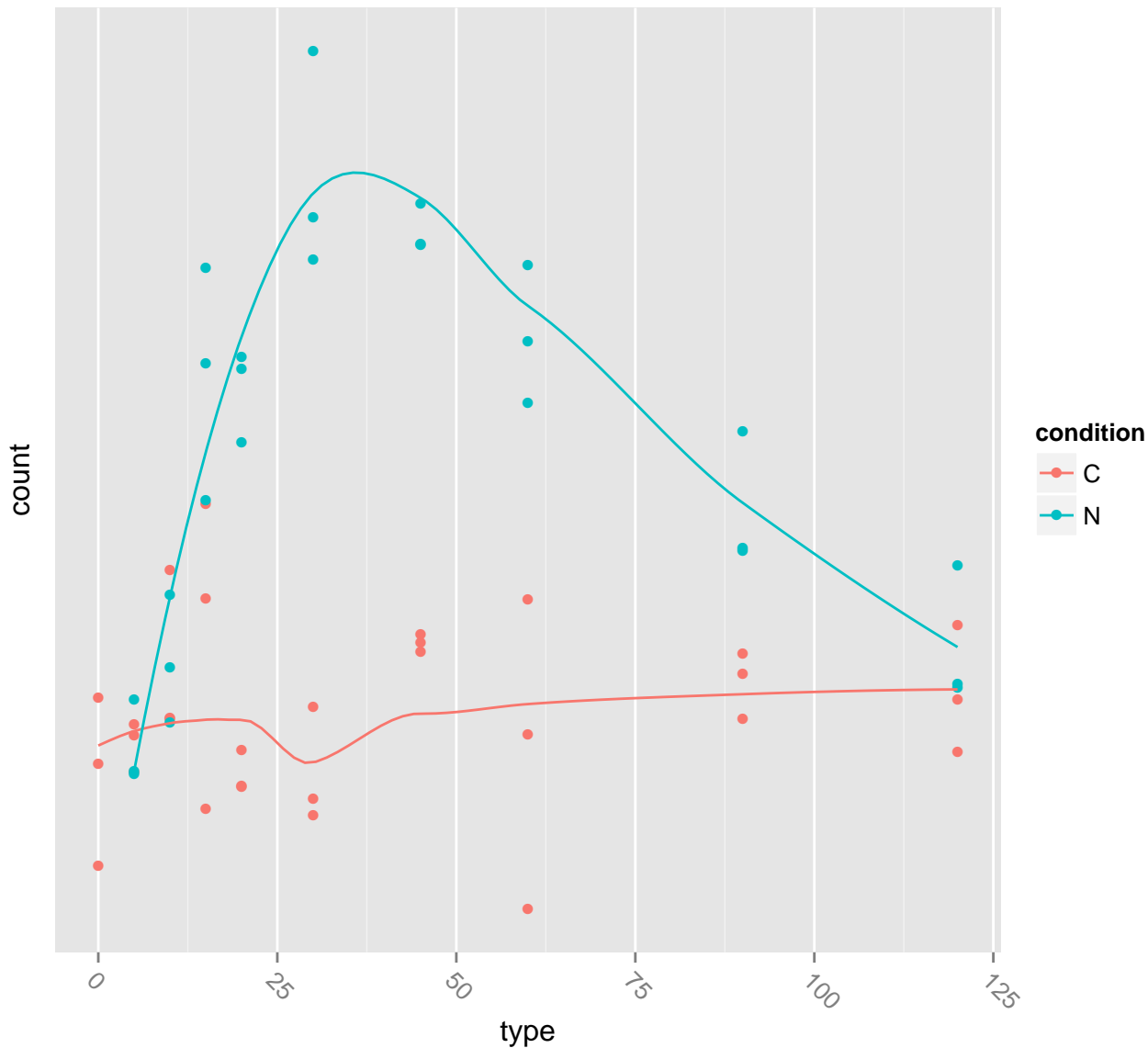
# AT5G63160

*"BT1, BTB and TAZ domain protein 1"*



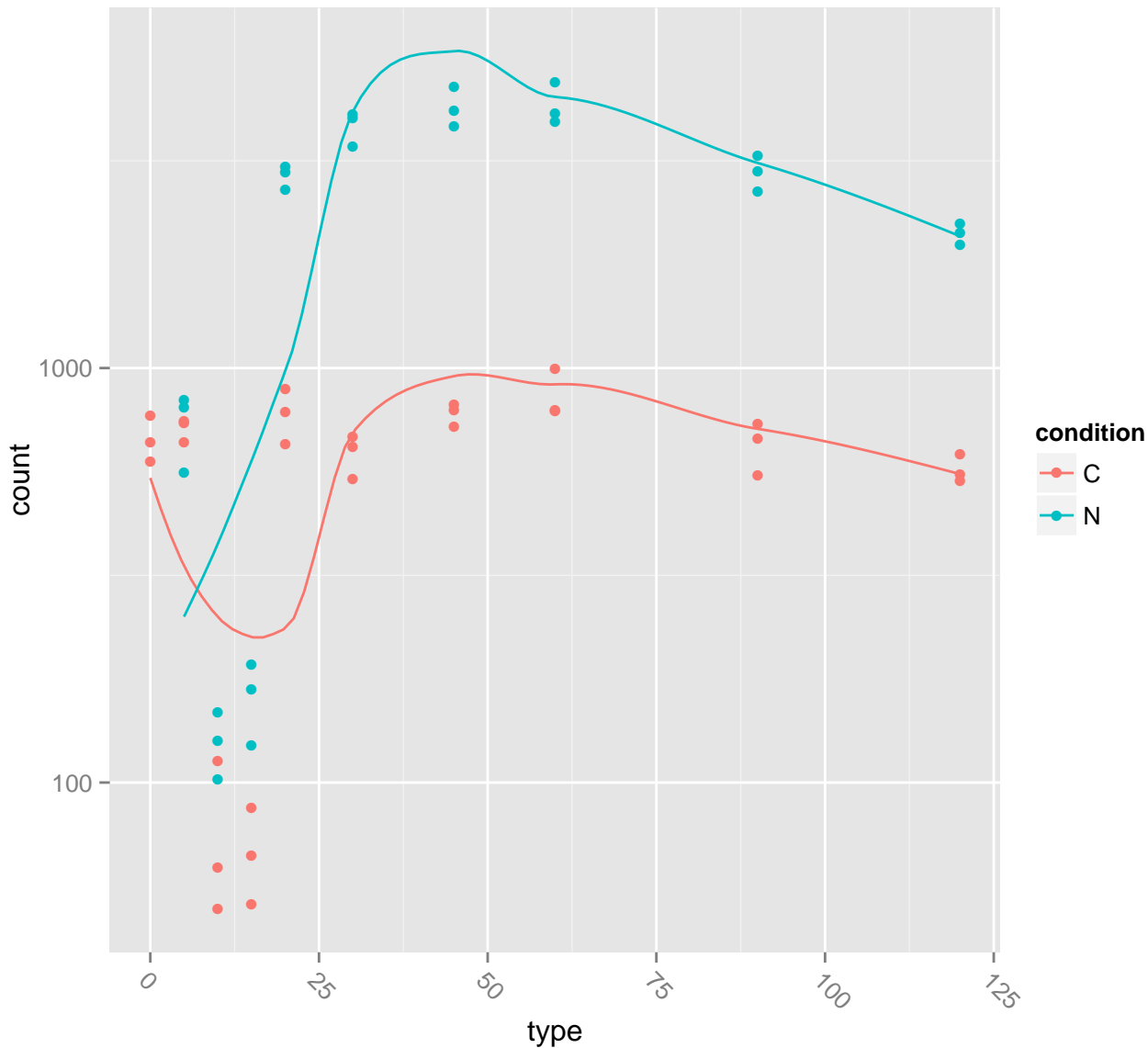
# AT1G13000

*Protein of unknown function (DUF707)*



# AT4G09620

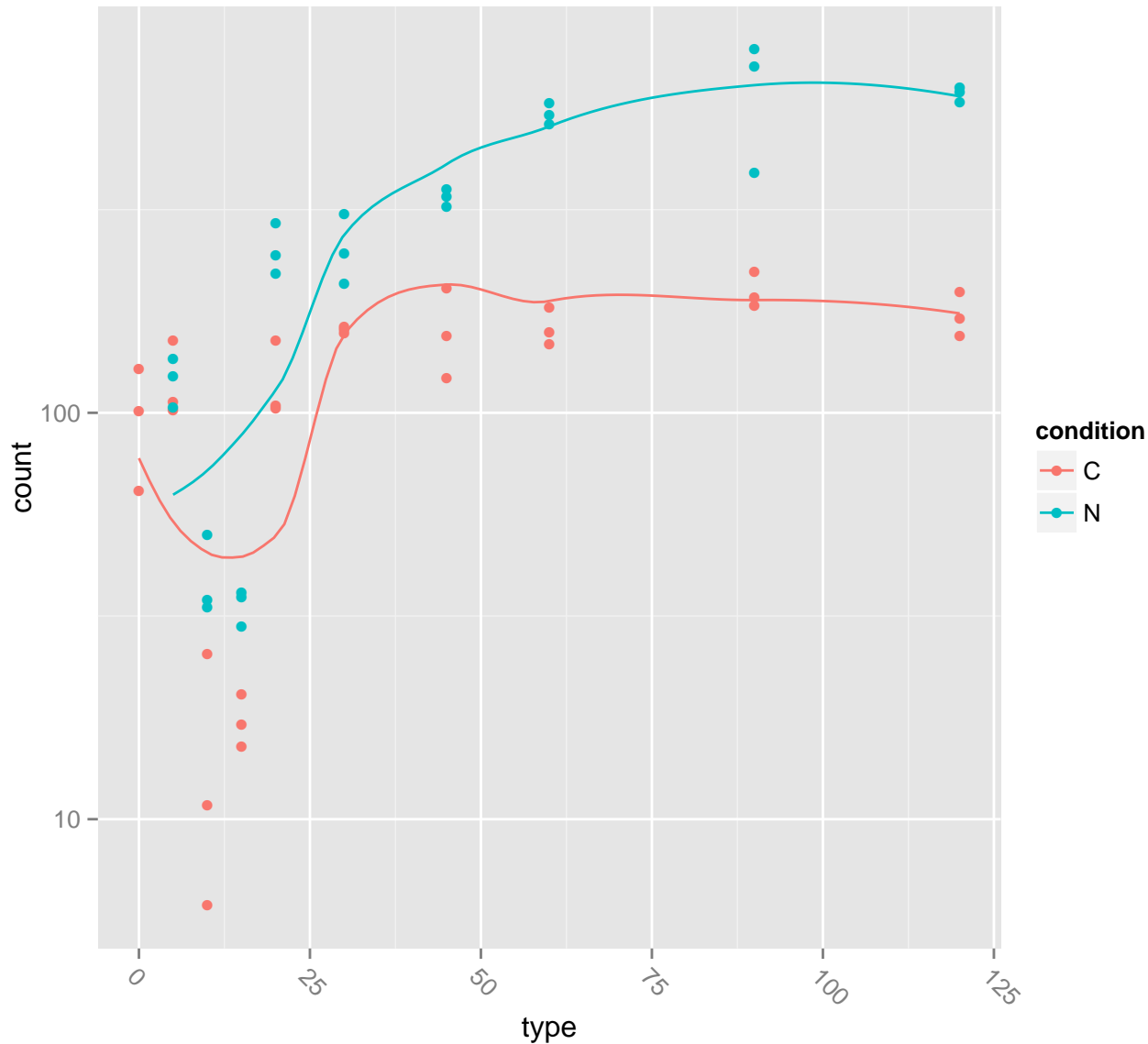
*Mitochondrial transcription termination factor family protein*





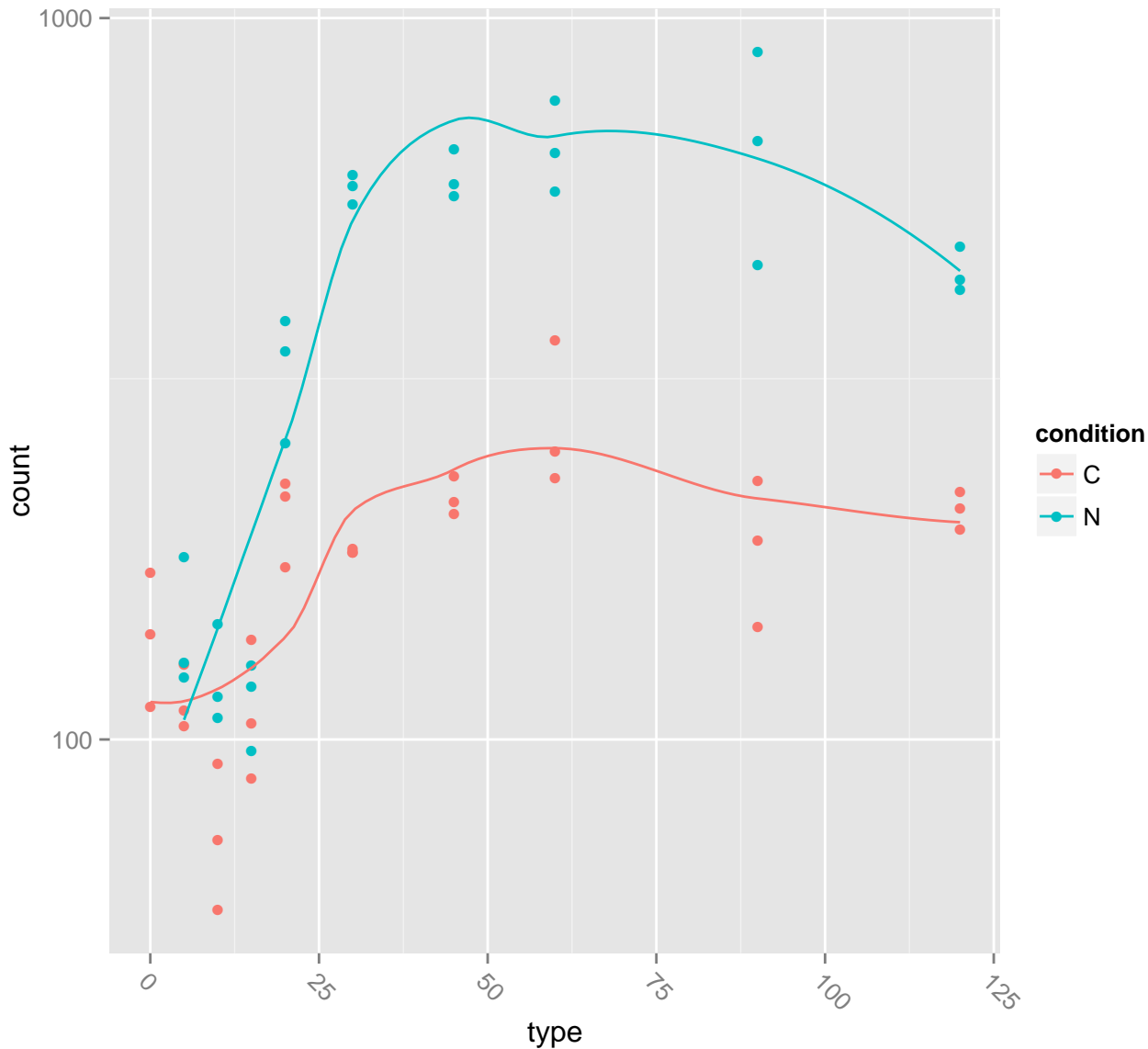
# AT5G23350

*GRAM domain-containing protein / ABA-responsive protein-related*



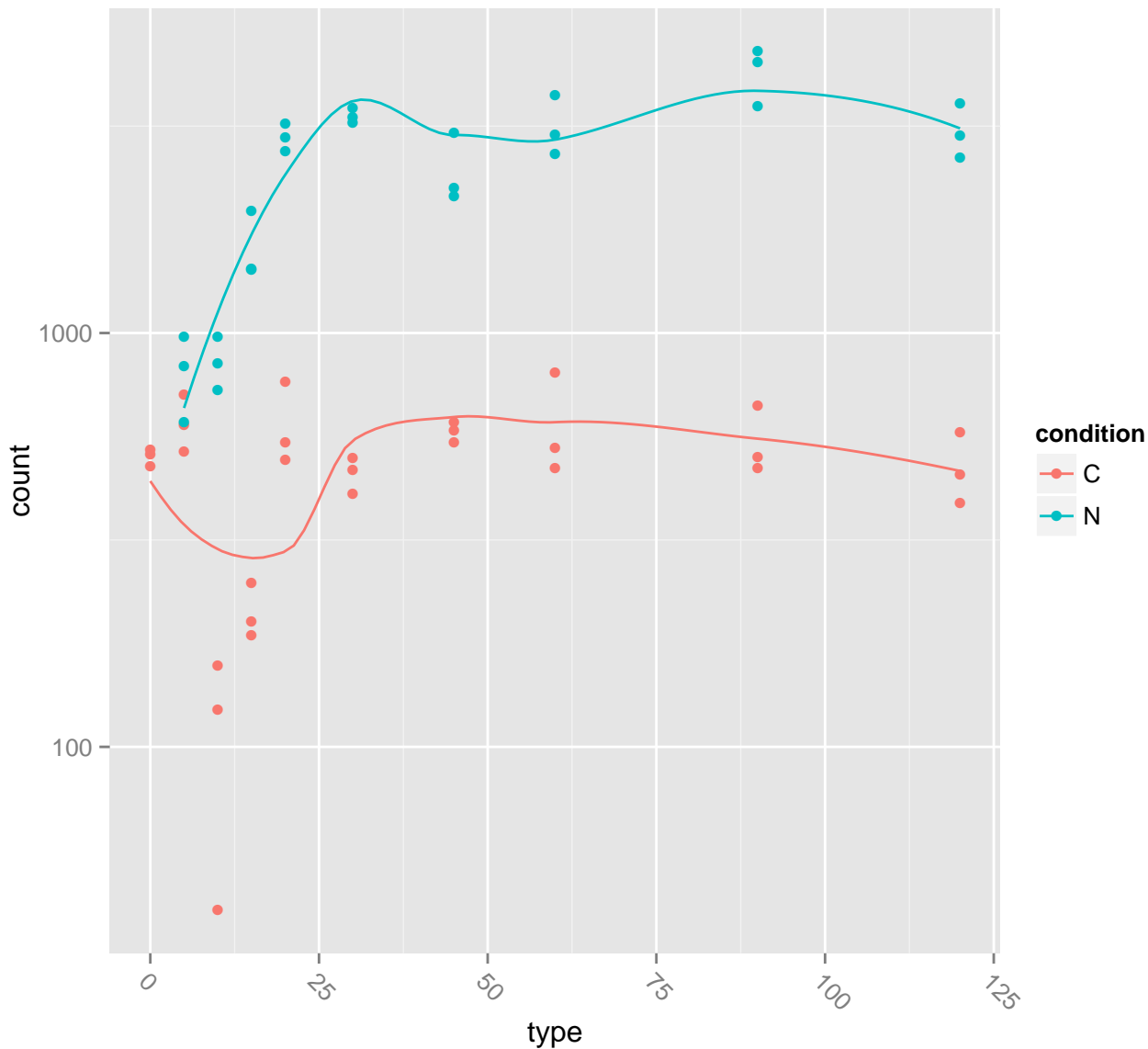
# AT2G34355

*Major facilitator superfamily protein*



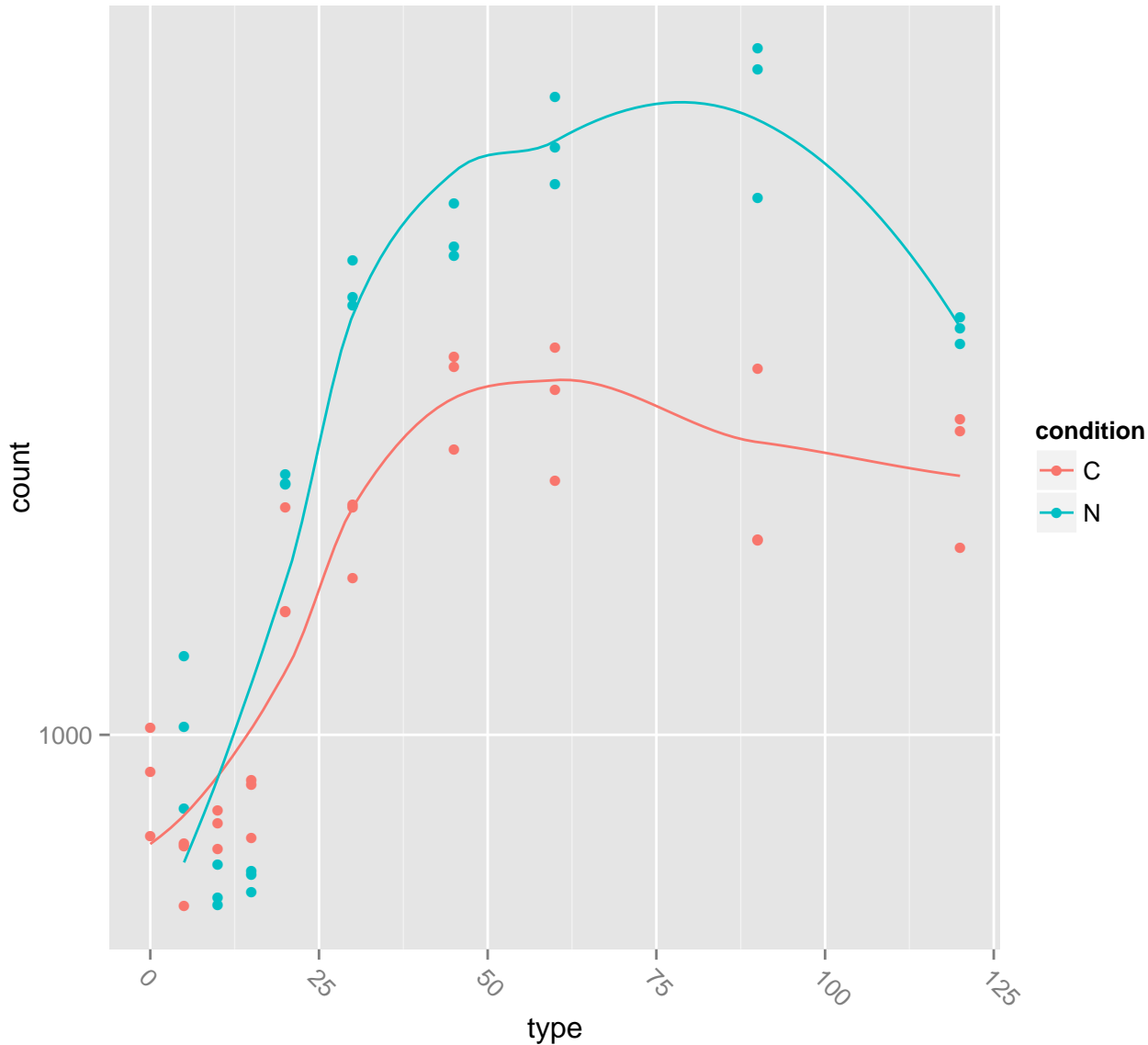
# AT4G37610

*"BT5, BTB and TAZ domain protein 5"*



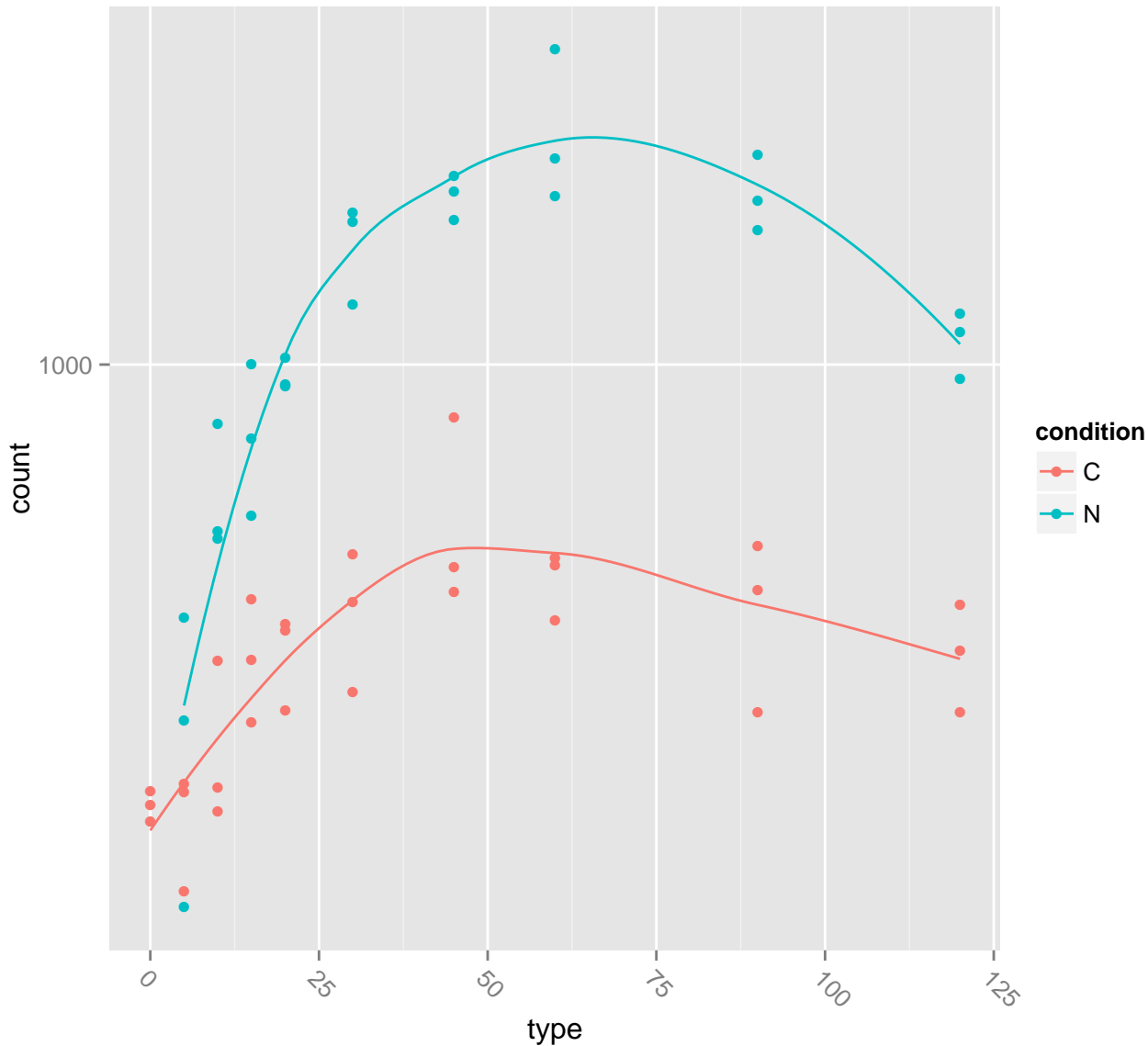
# AT5G58700

*"ATPLC4, PLC4, phosphatidylinositol-specific phospholipase C4"*



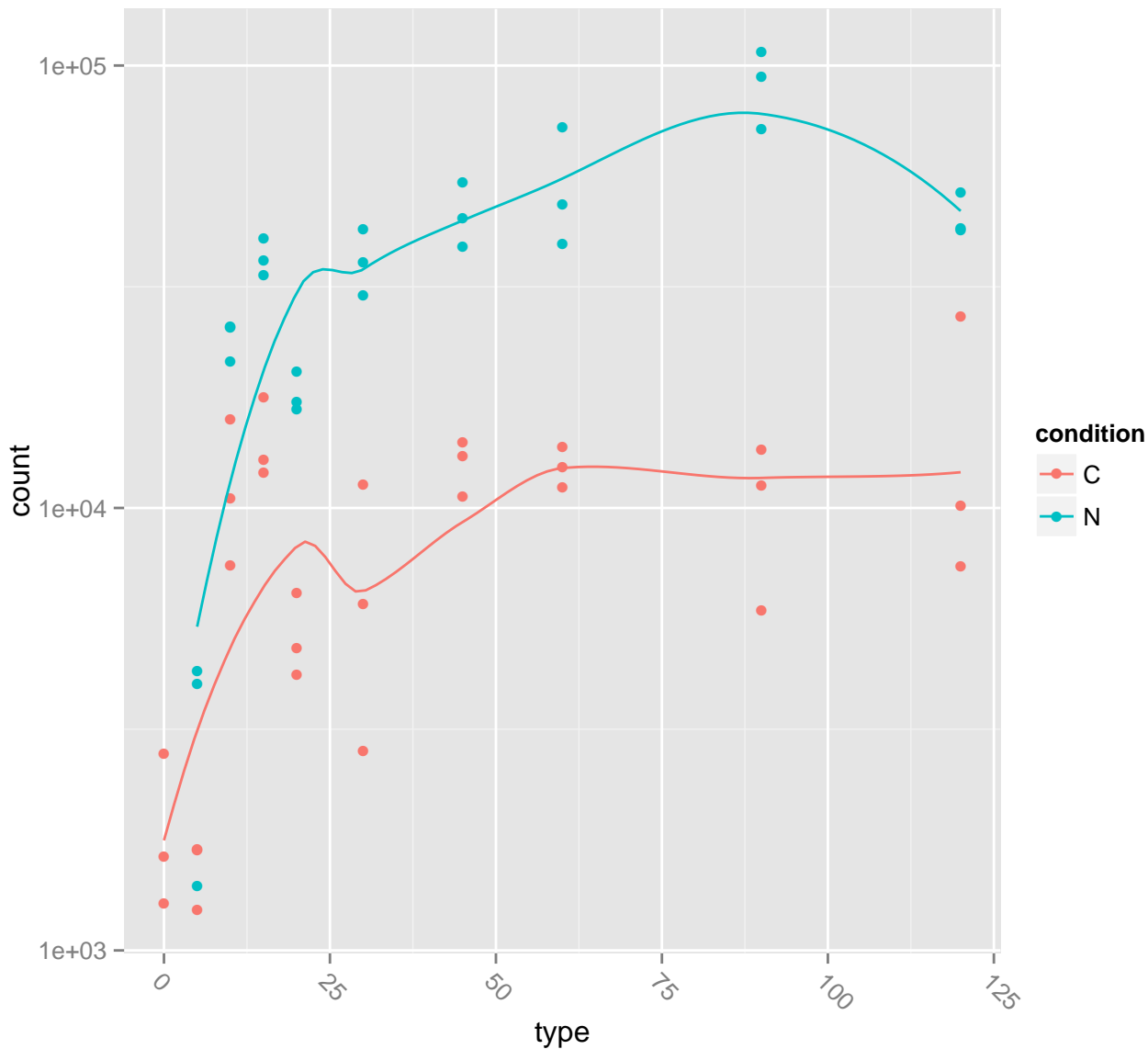
# AT2G29730

*"UGT71D1, UDP-glucosyl transferase 71D1"*



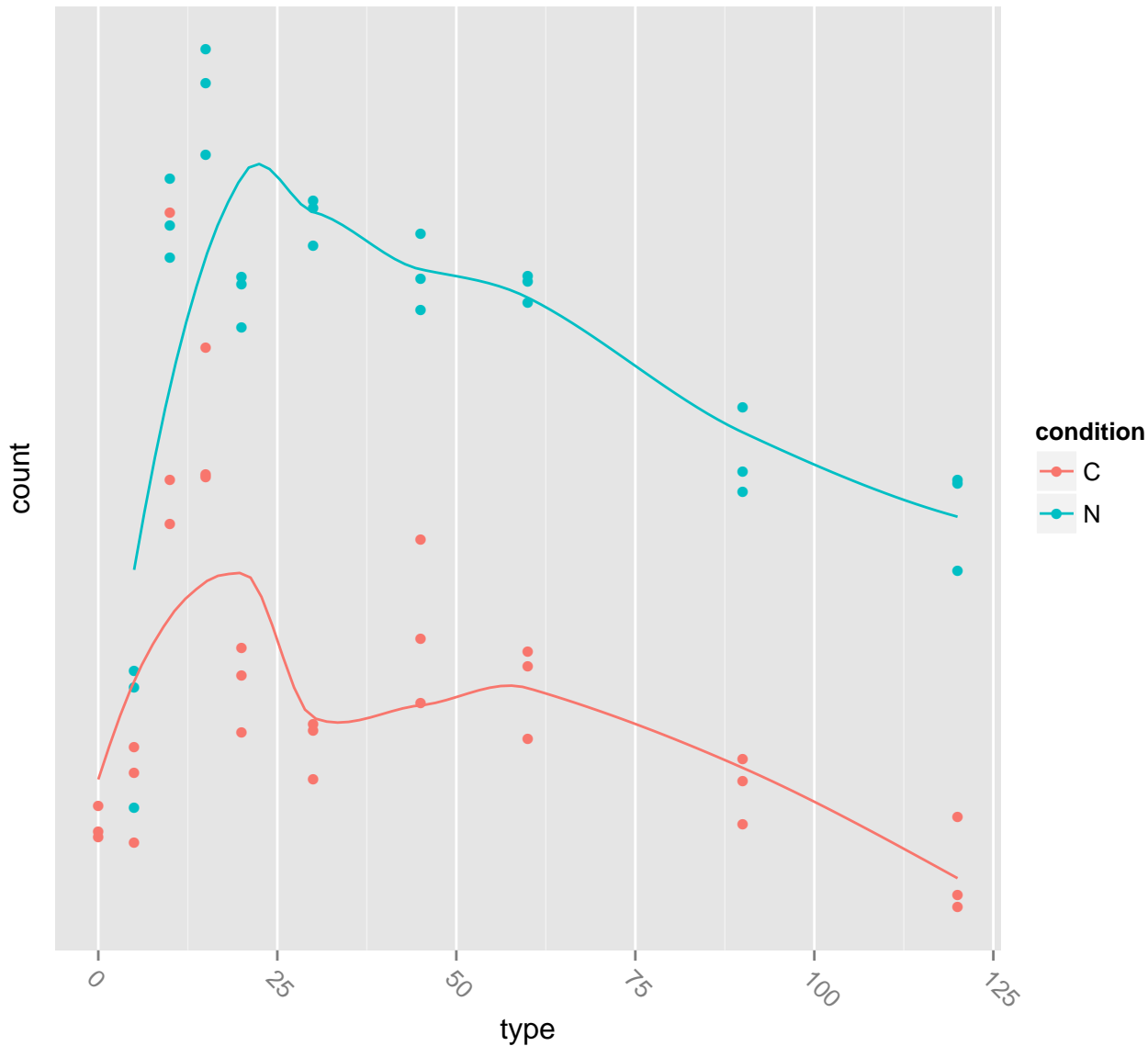
# AT1G08090

, ATNRT2.1, ATNRT2:1, LIN1, NRT2, NRT2.1, NRT2:1, NRT2;1AT, nitrate transporter 2:



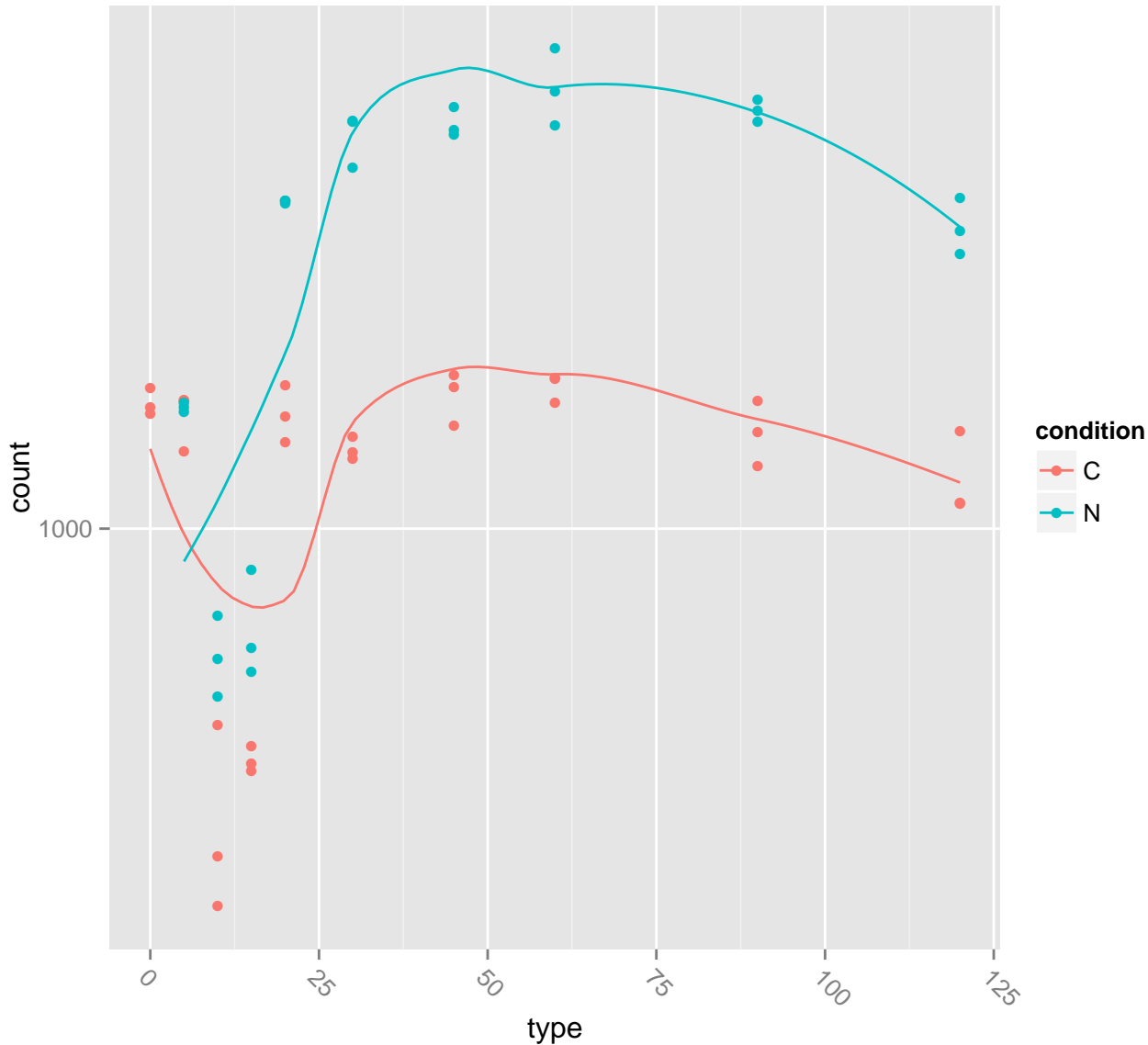
# AT1G66140

*"ZFP4, zinc finger protein 4"*



# AT4G02920

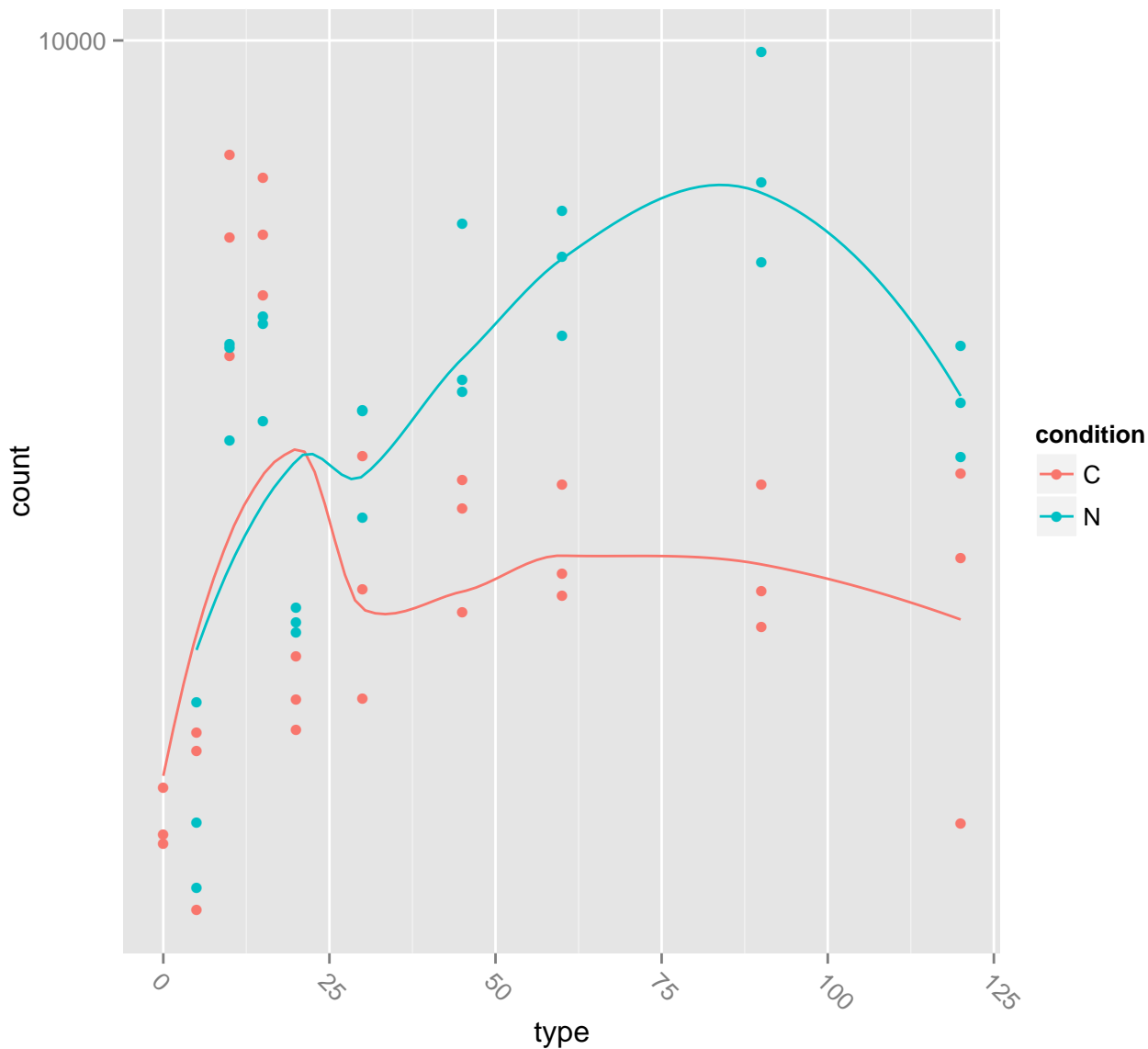
3340.1); Has 41 Blast hits to 41 proteins in 12 species: Archae - 0; Bacteria - 0; Metazo





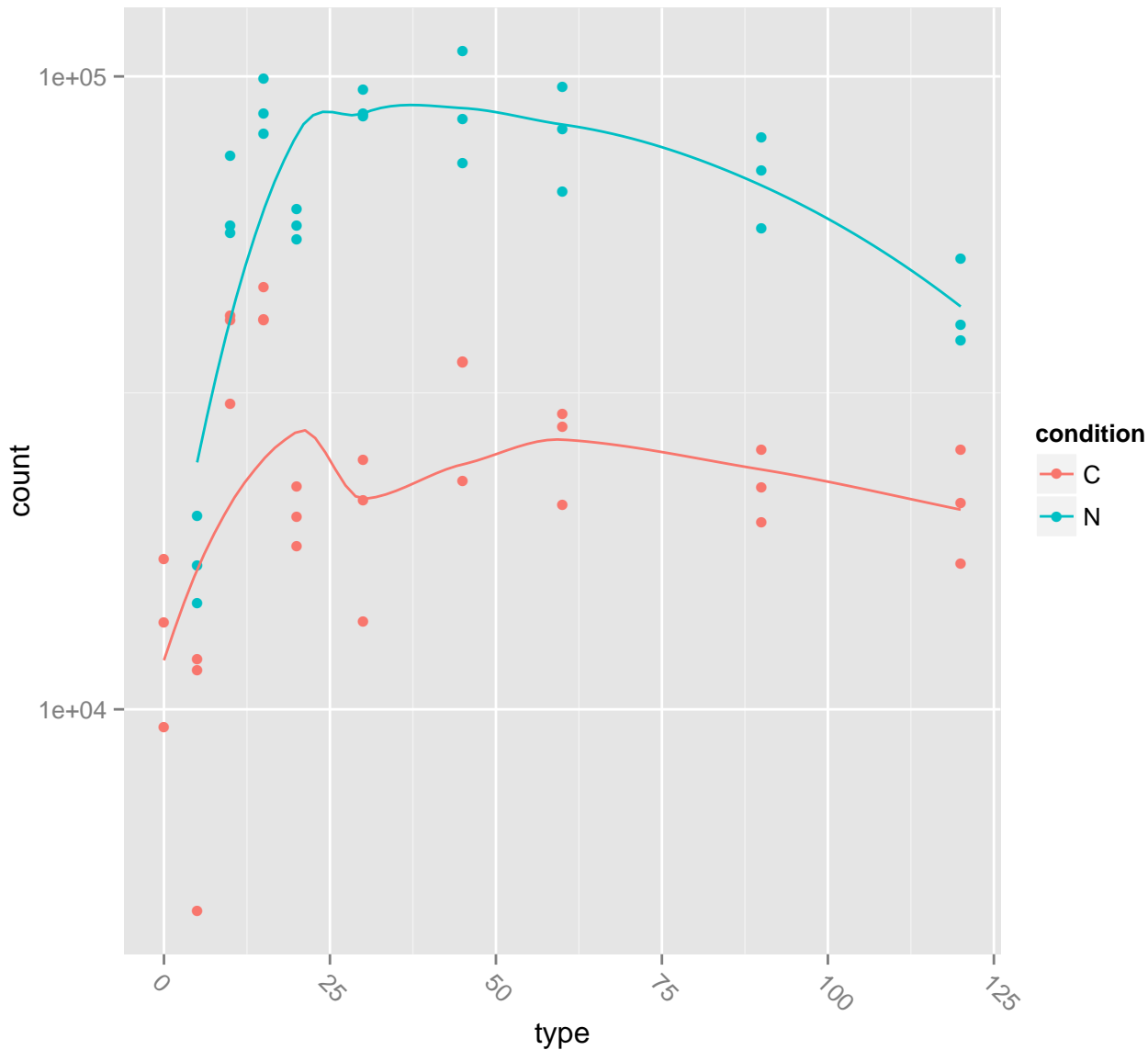
# AT1G60710

*"ATB2, NAD(P)-linked oxidoreductase superfamily protein"*



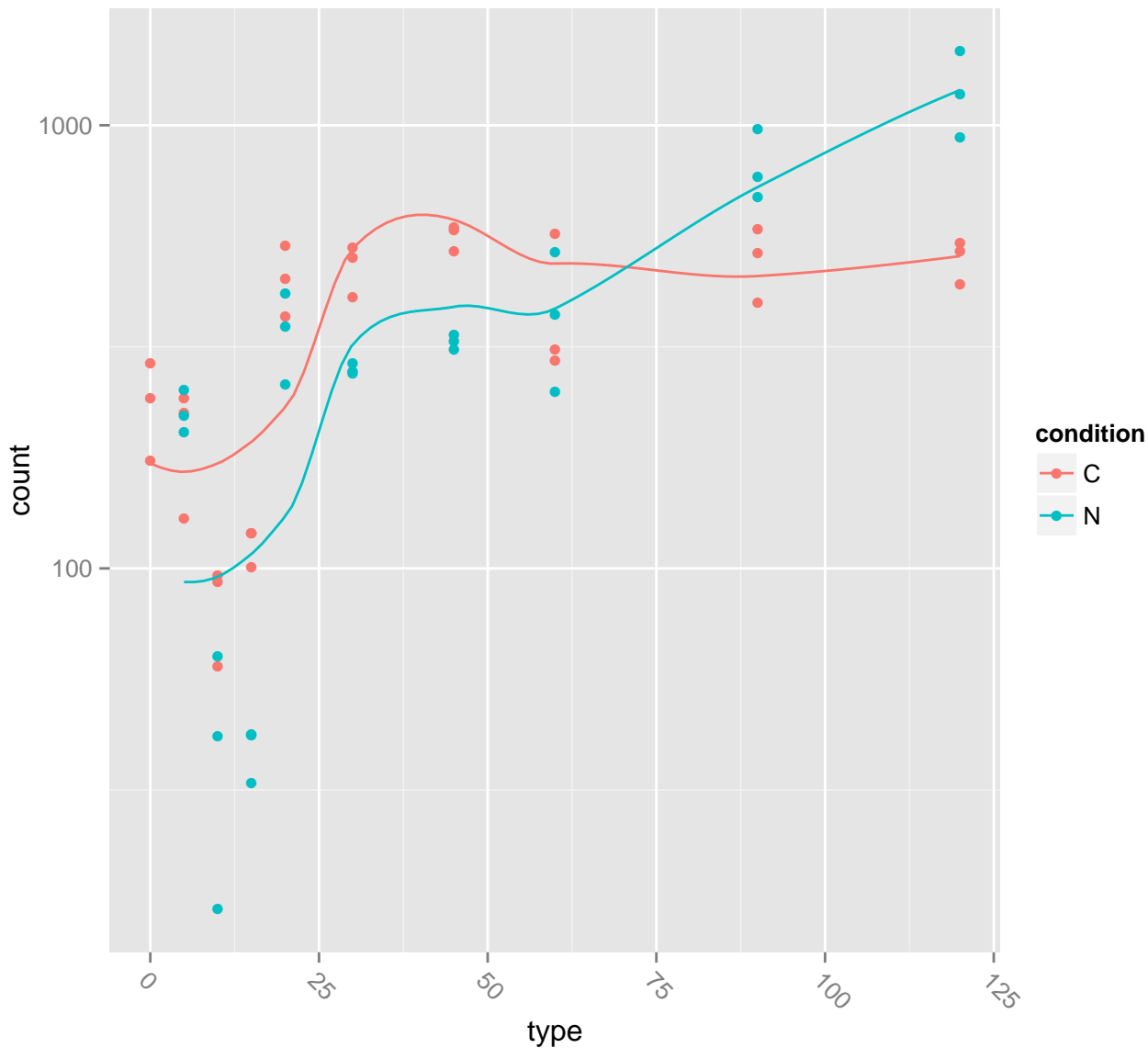
# AT1G77760

*"GNR1, NIA1, NR1, nitrate reductase 1"*



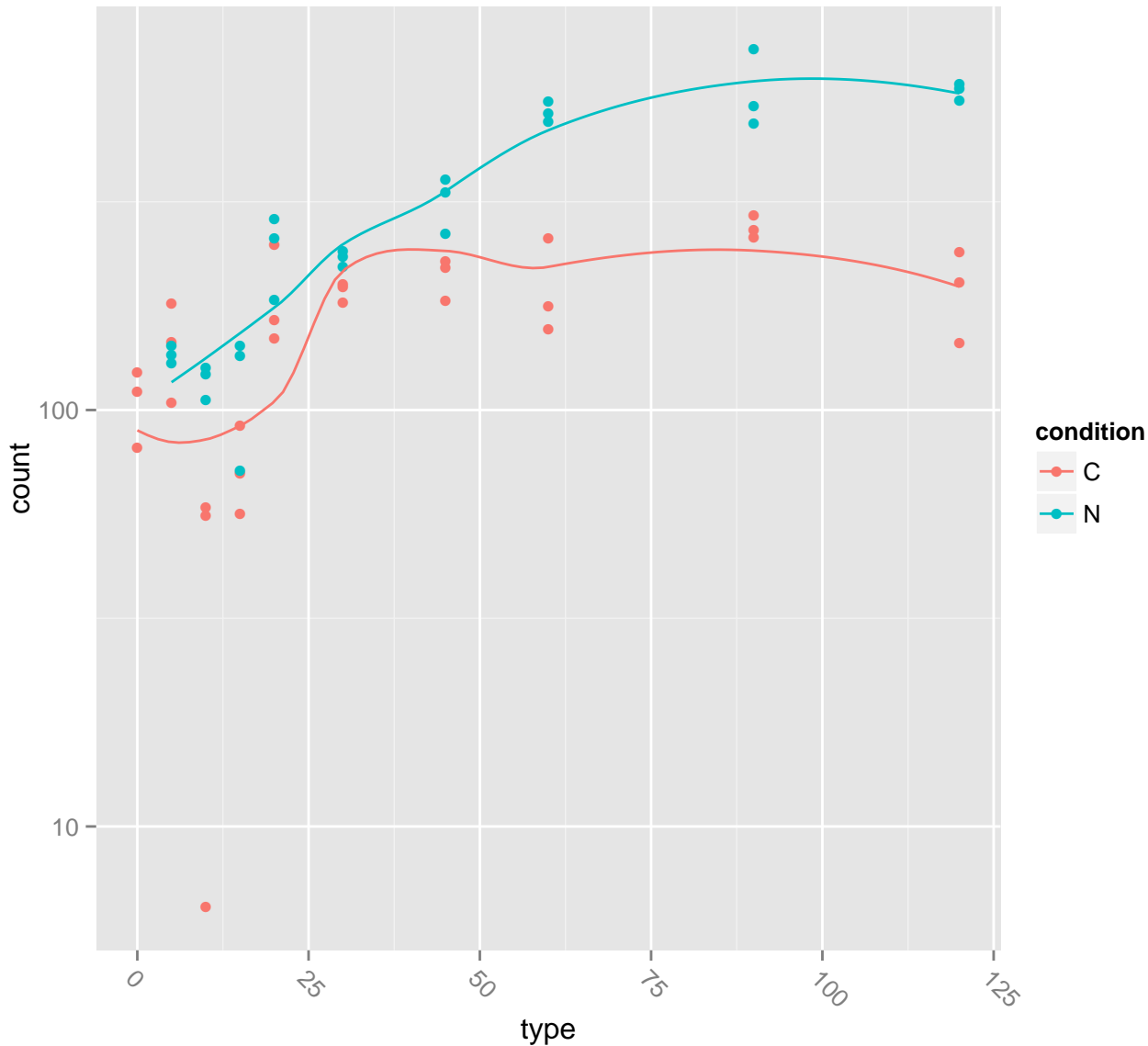
# AT3G01260

*Galactose mutarotase-like superfamily protein*



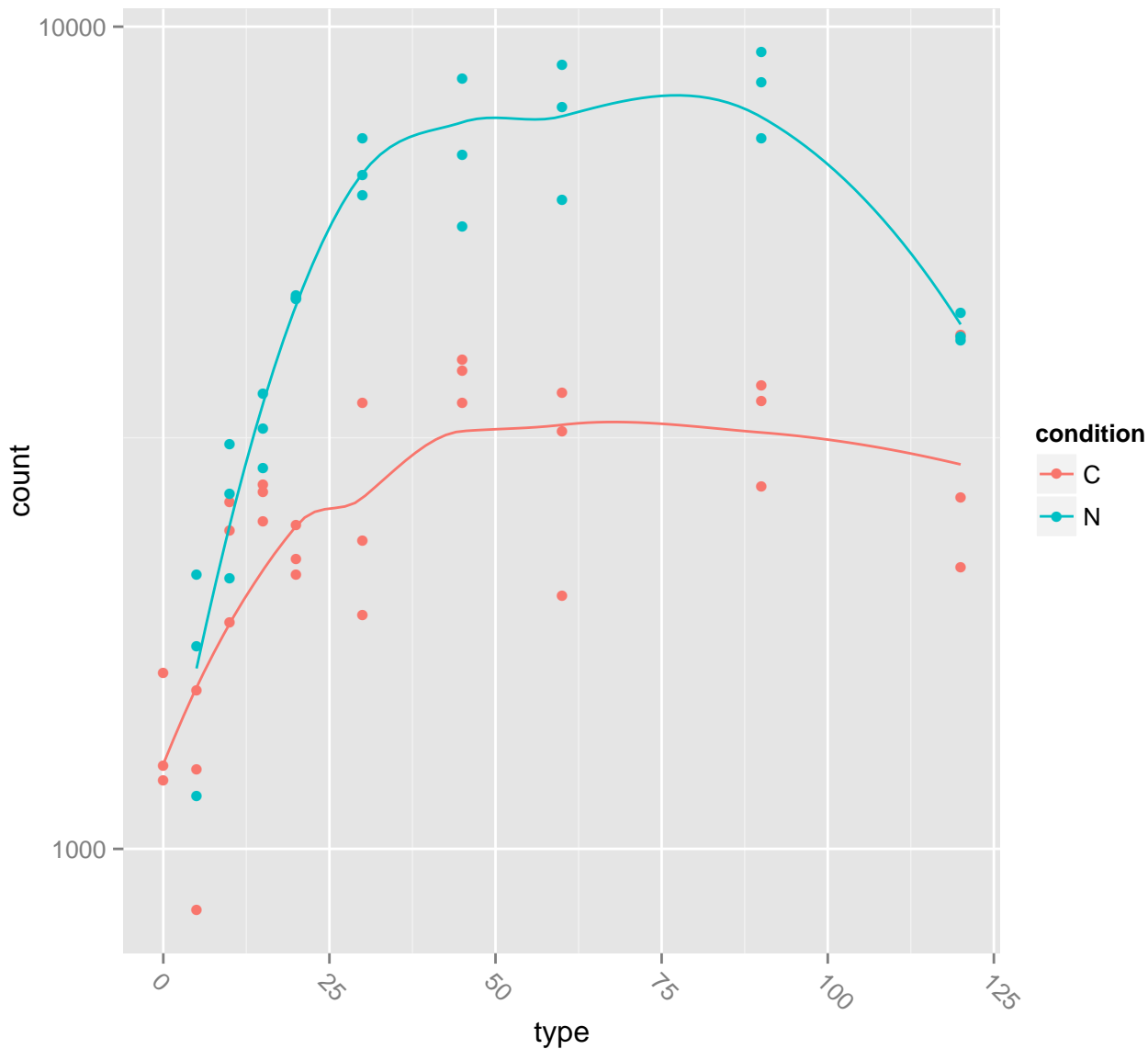
# AT5G23360

*GRAM domain-containing protein / ABA-responsive protein-related*



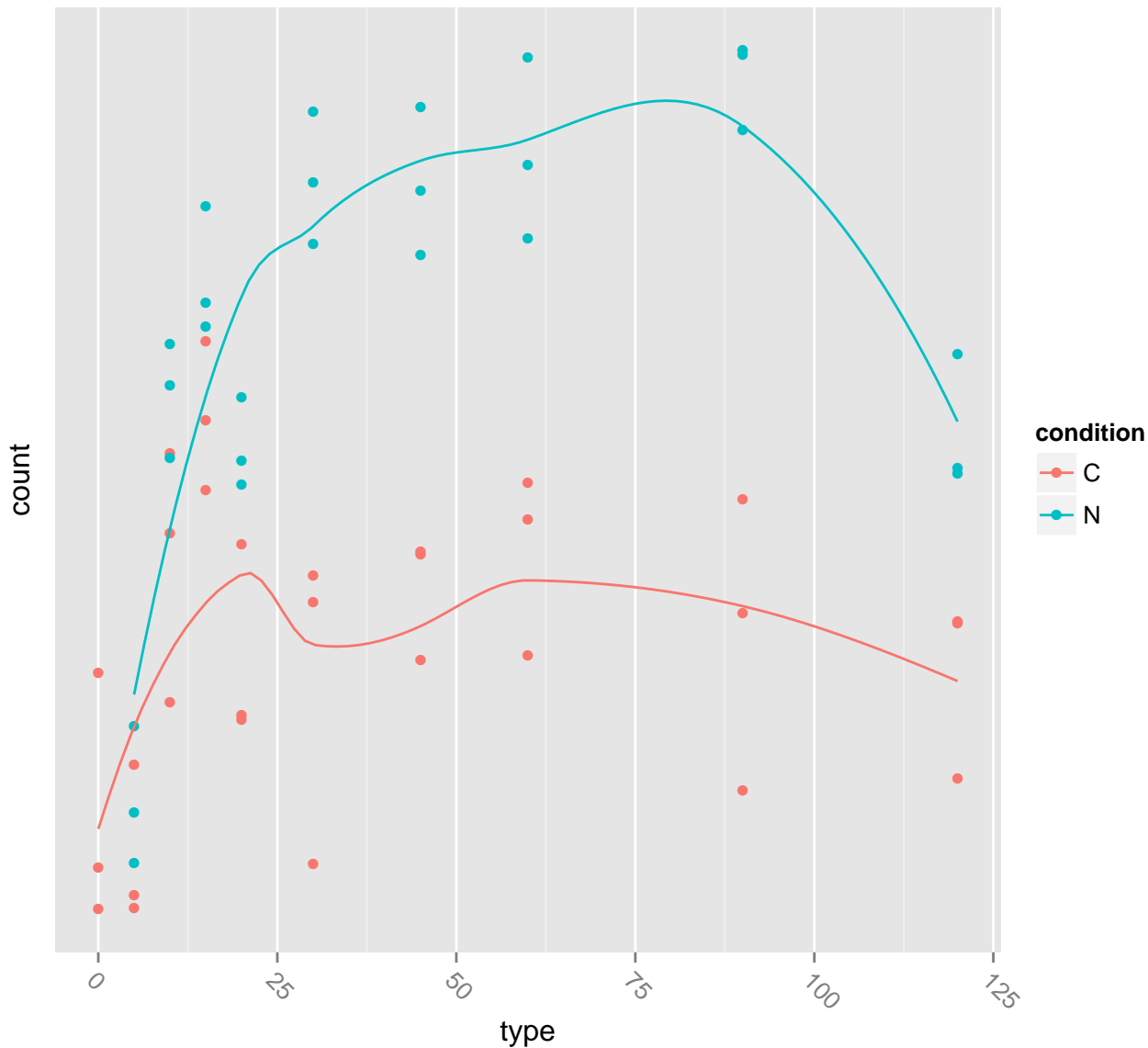
# AT5G14760

*"AO, L-aspartate oxidase"*



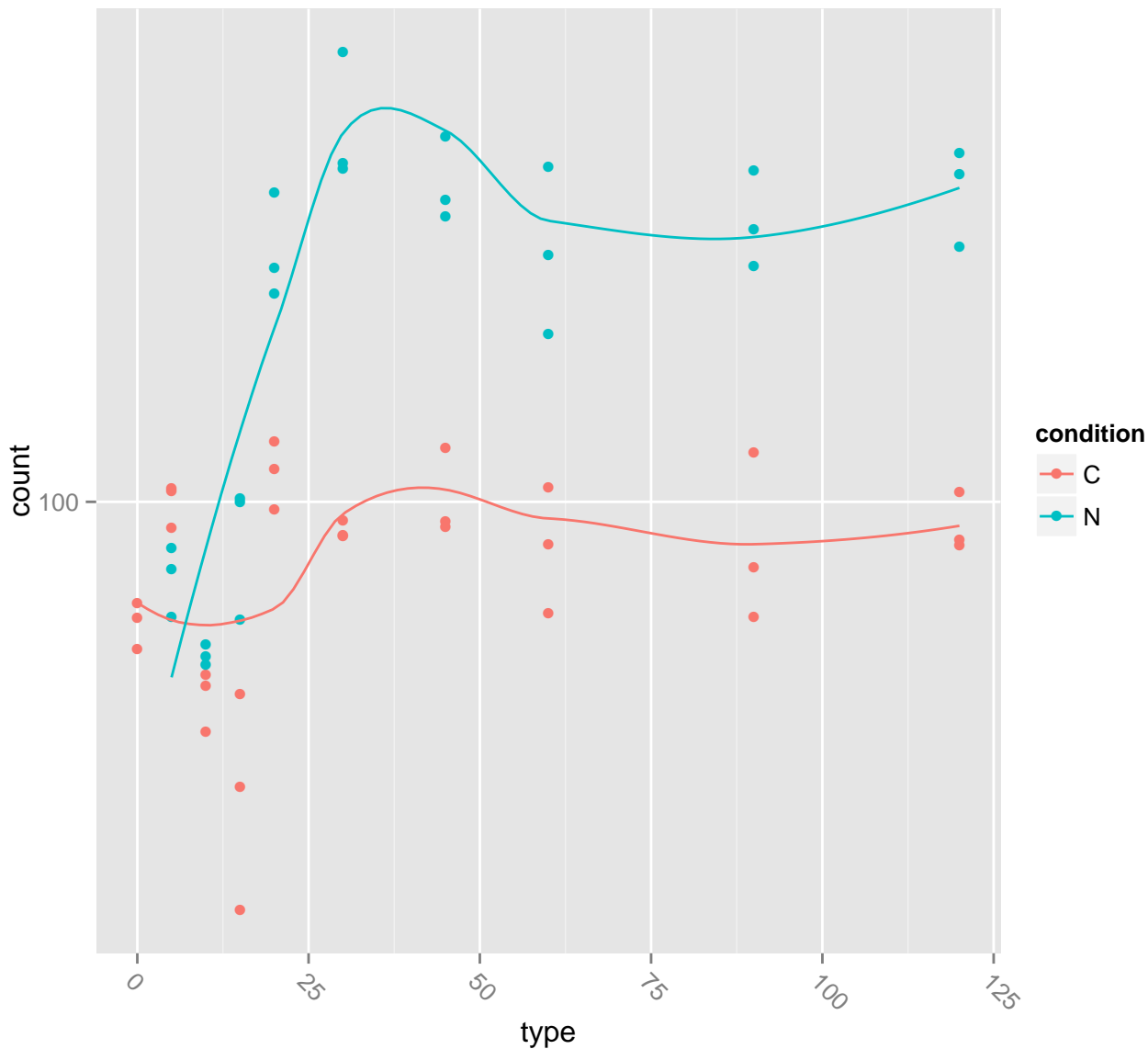
# AT1G70300

*"KUP6, K<sup>+</sup> uptake permease 6"*



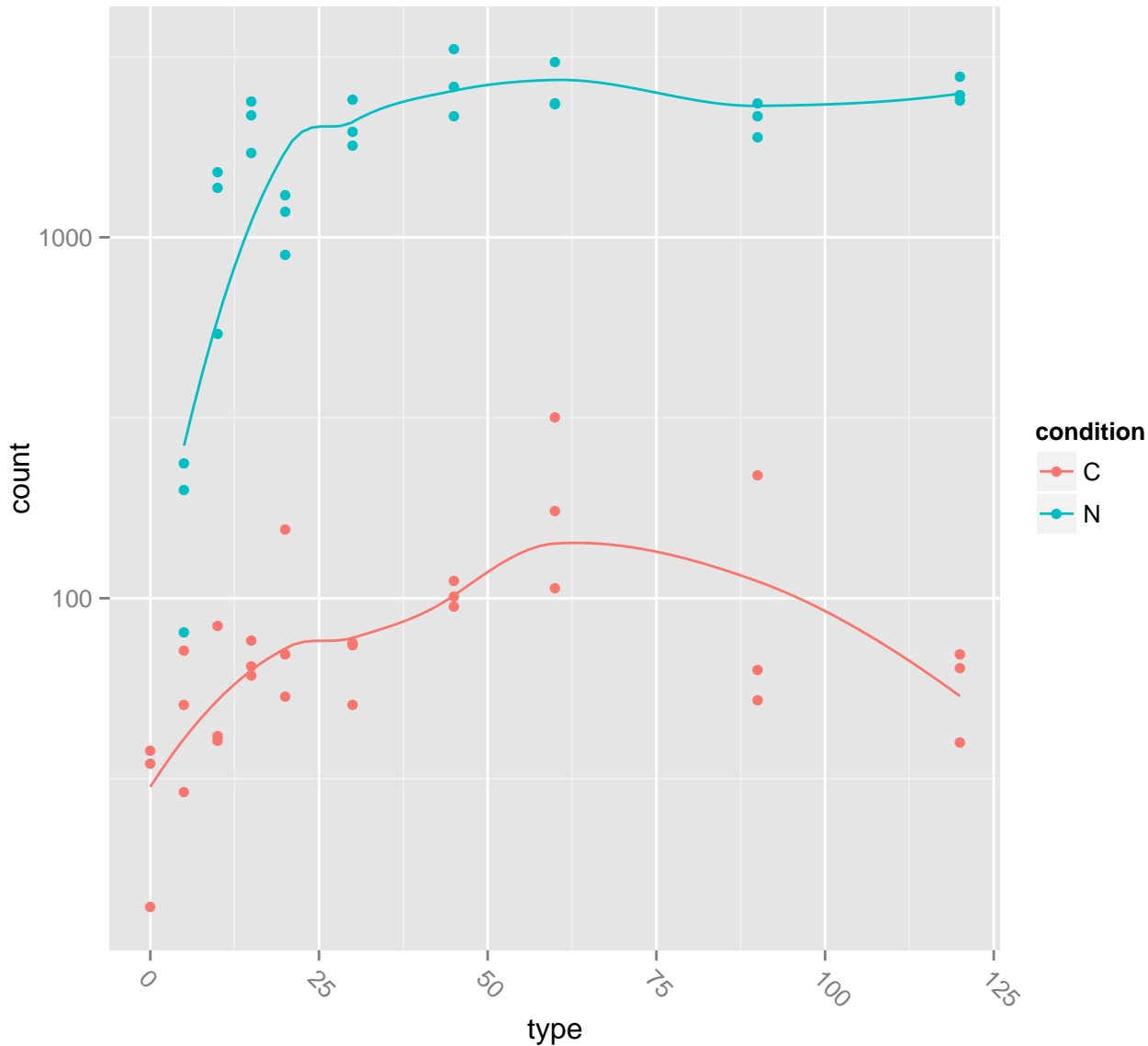
# AT2G38820

*Protein of unknown function (DUF506)*



# AT4G37540

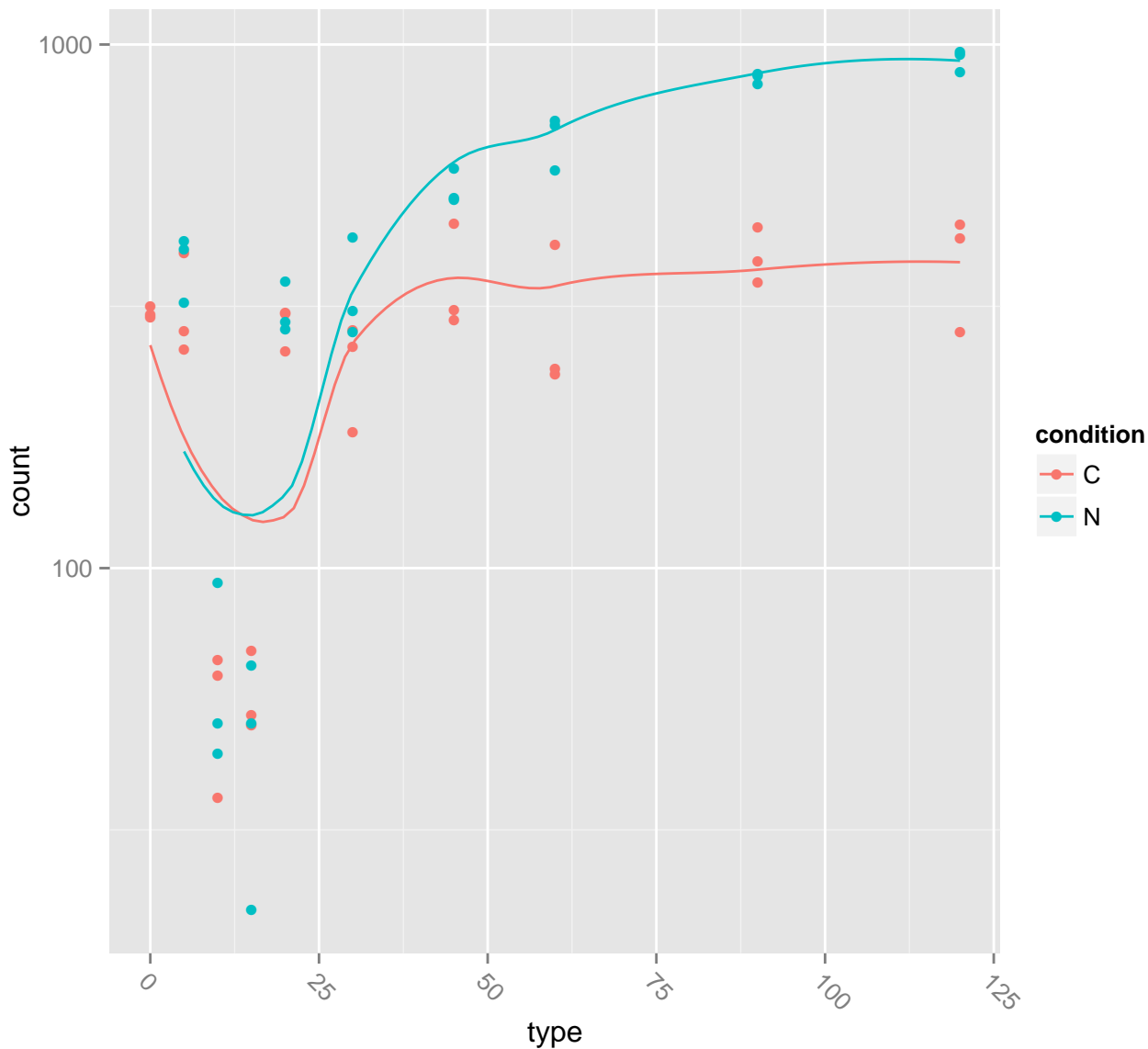
*"LBD39, LOB domain-containing protein 39"*





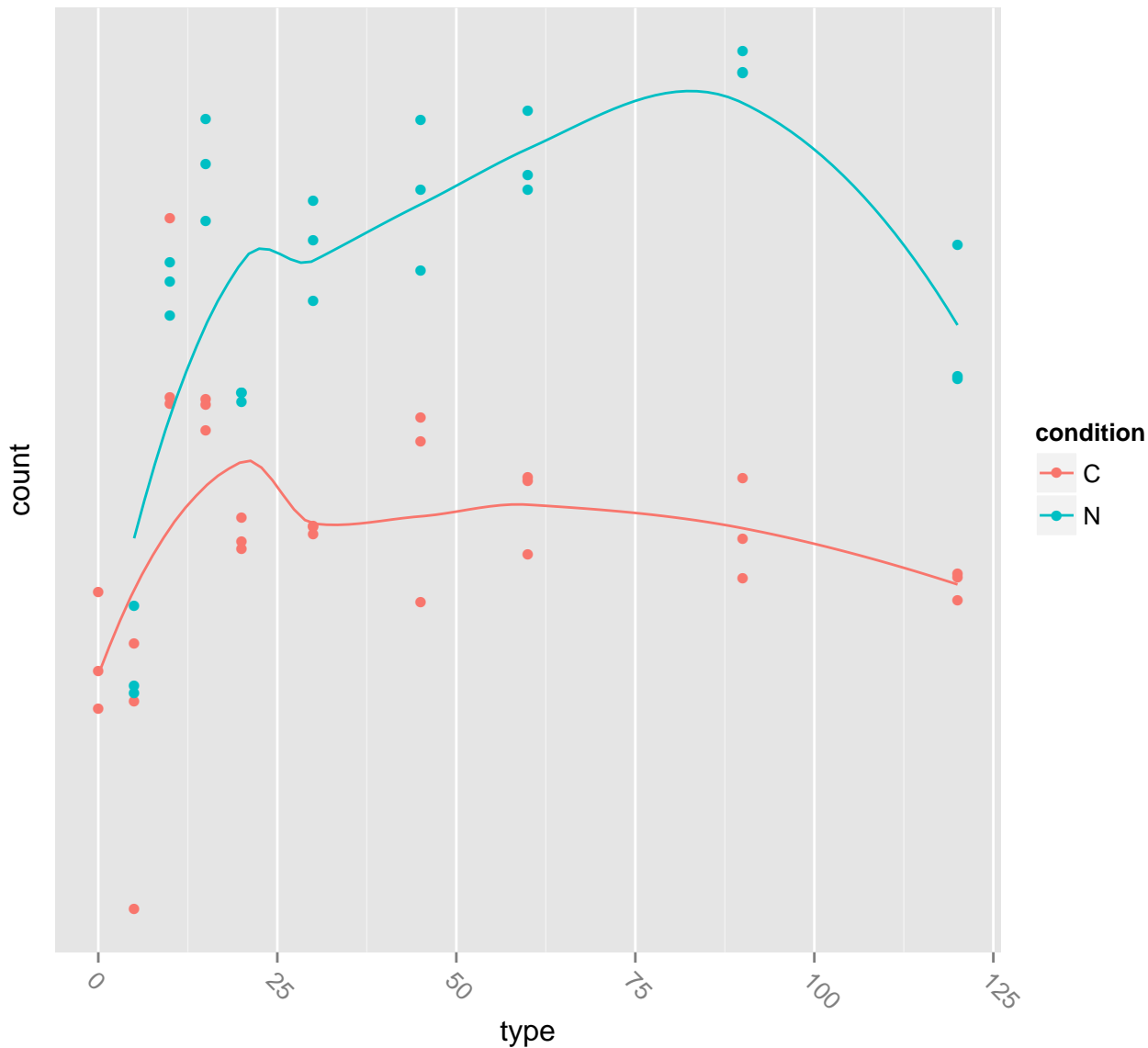
# AT3G20600

*IDR1, Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family"*



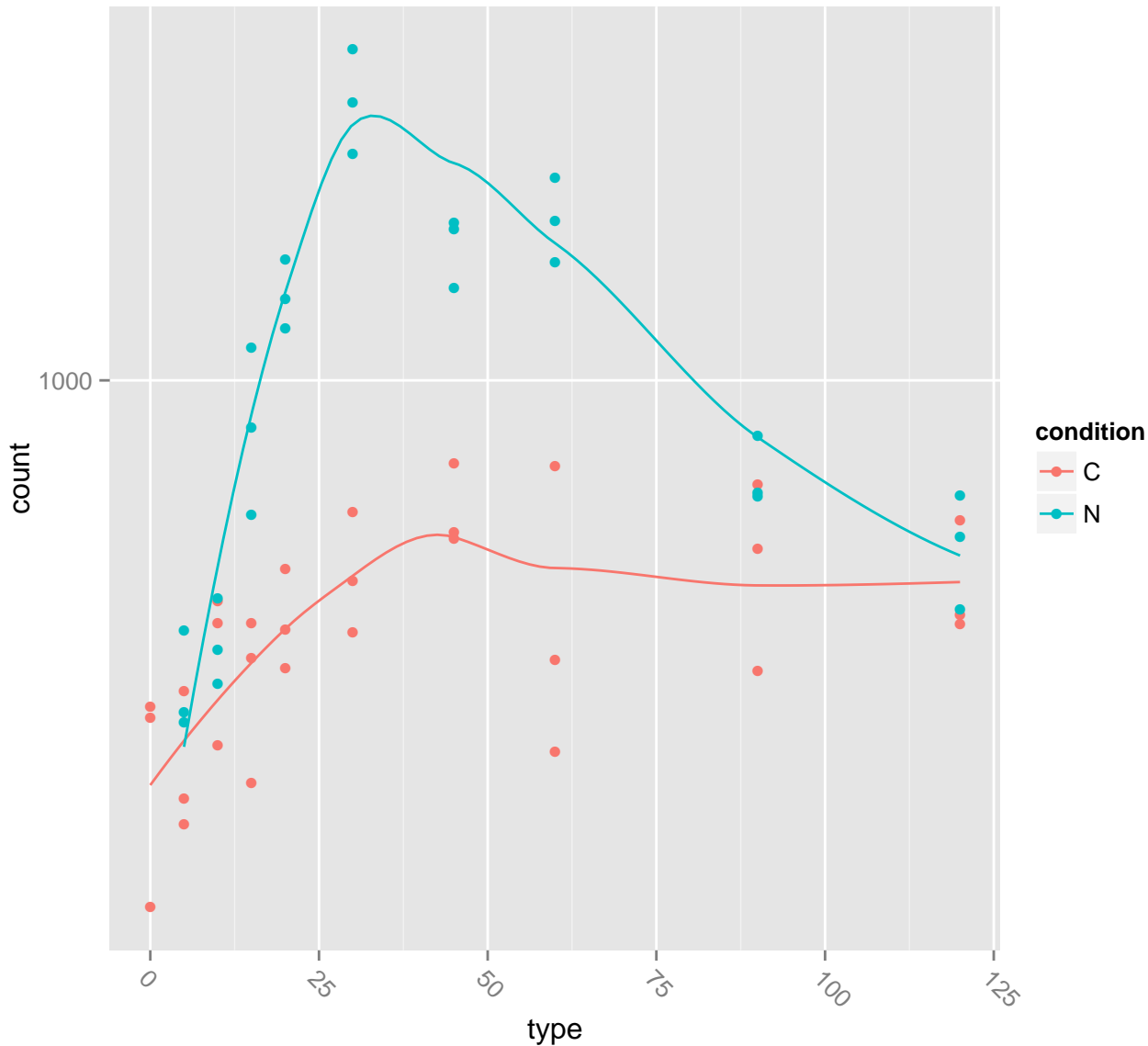
# AT4G34860

*Plant neutral invertase family protein*



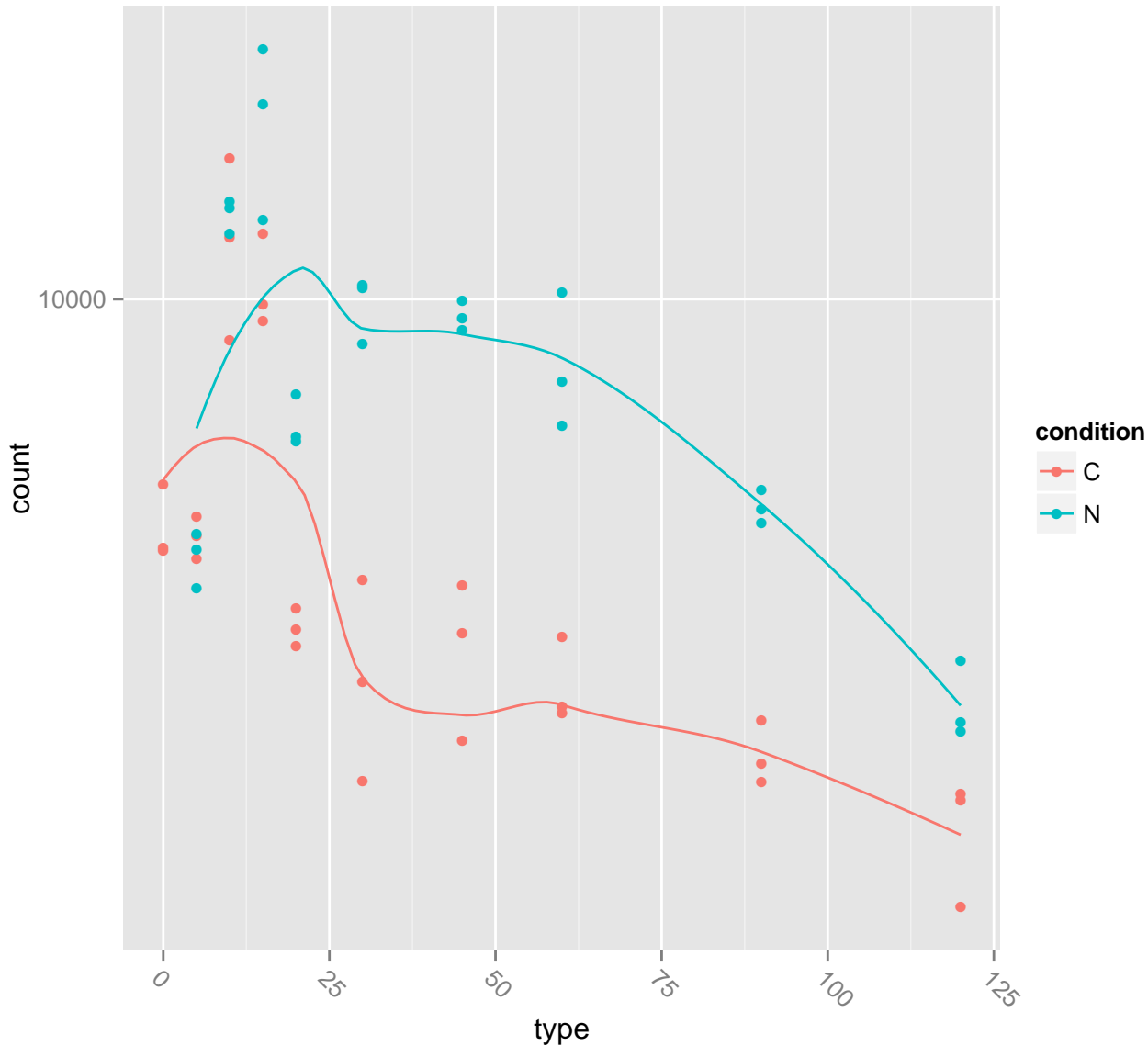
# AT5G53470

*"ACBP, ACBP1, acyl-CoA binding protein 1"*



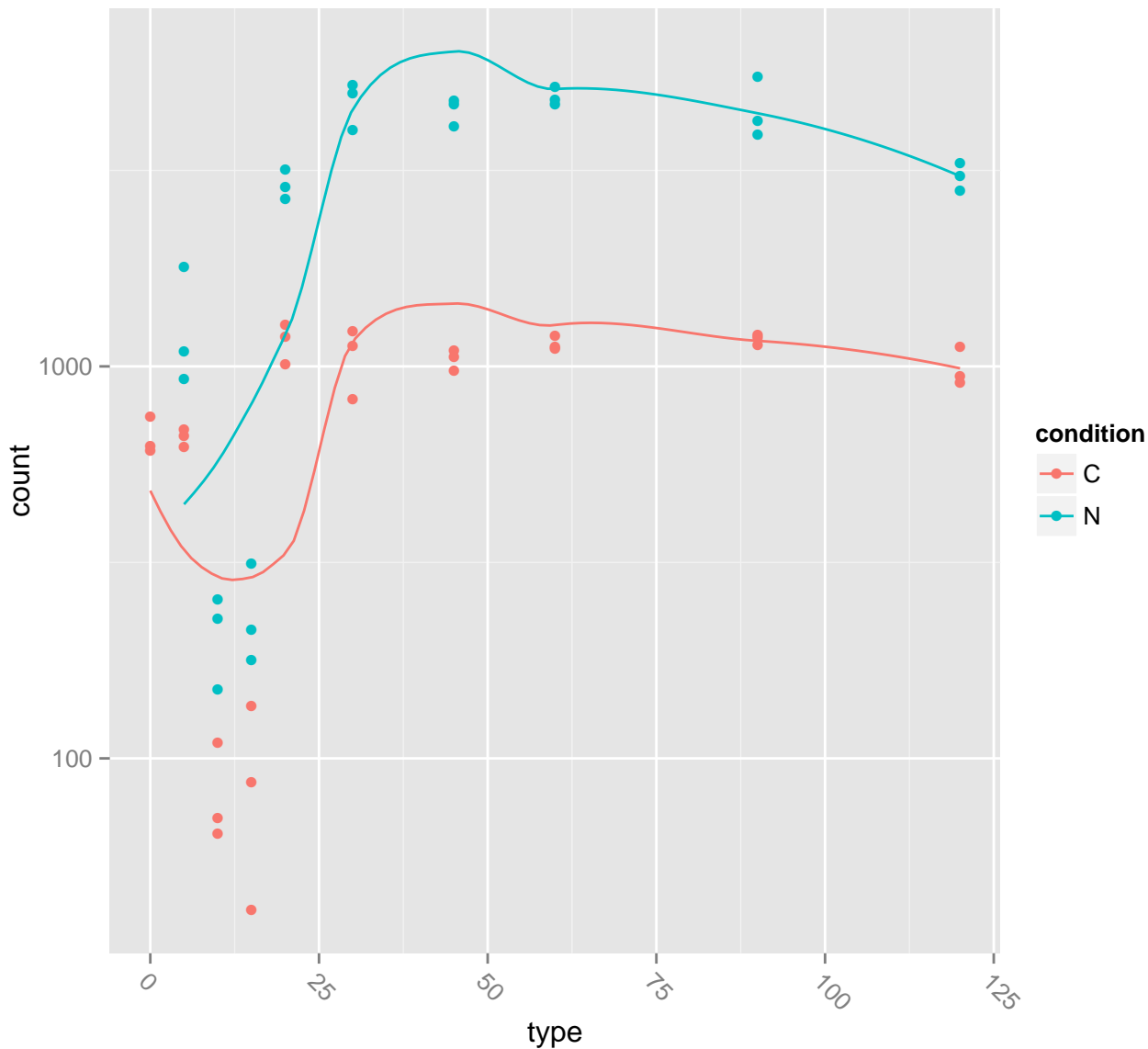
# AT4G34000

*"ABF3, DPBF5, abscisic acid responsive elements-binding factor 3"*



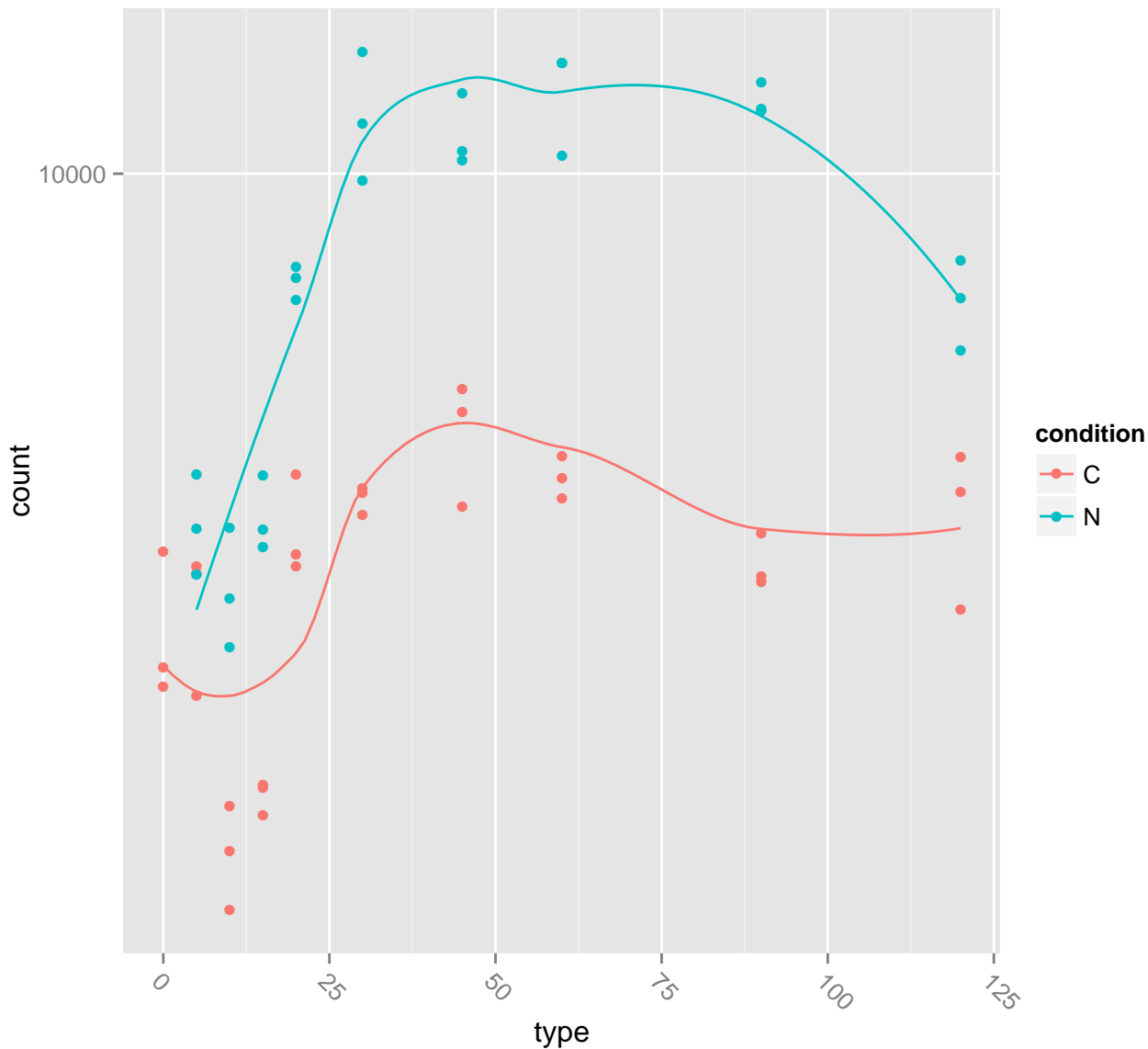
# AT5G15830

*"AtbZIP3, bZIP3, basic leucine-zipper 3"*



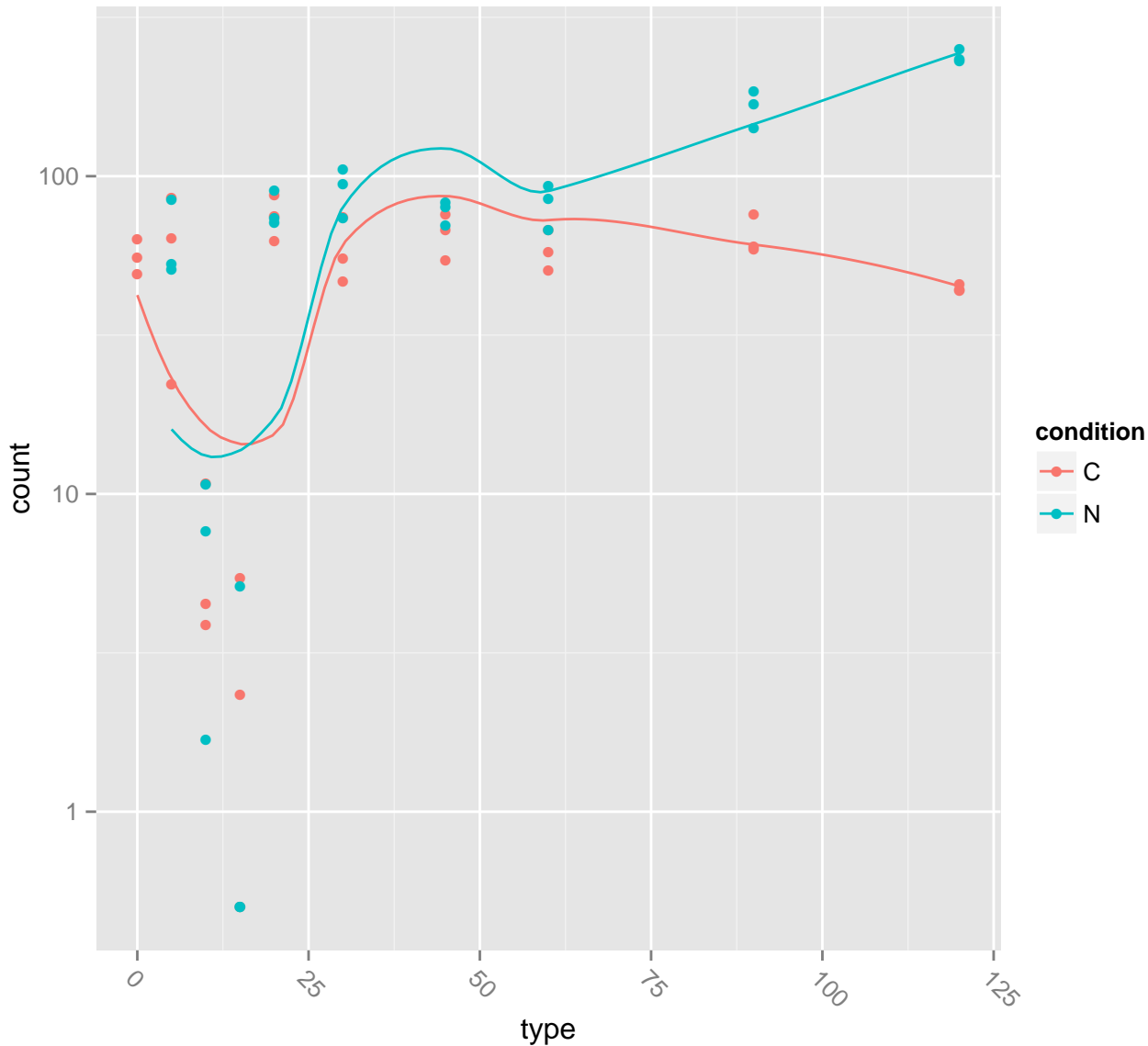
# AT5G51830

*pfkB-like carbohydrate kinase family protein*



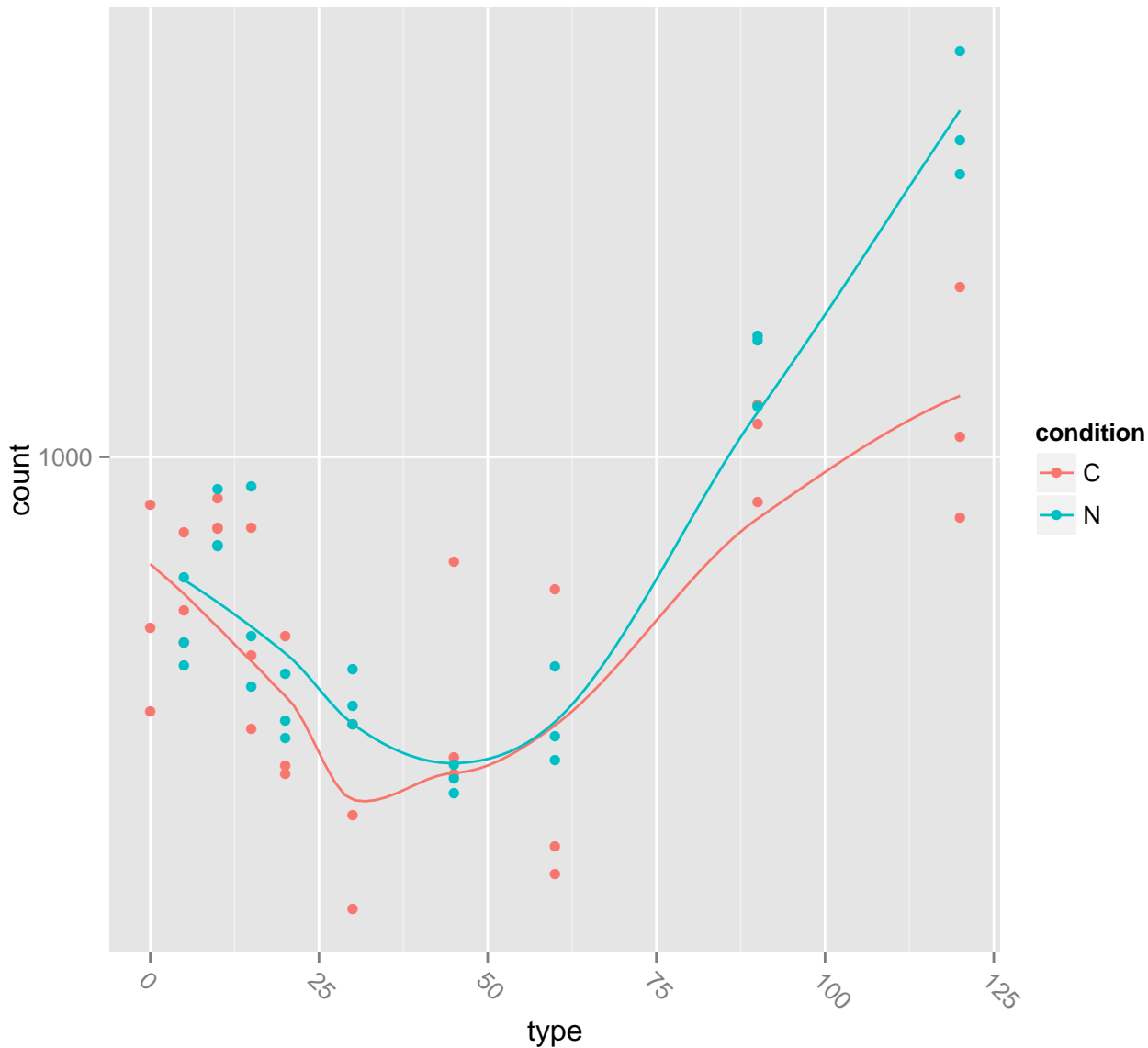
# AT2G44000

*Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family*



# AT3G24310

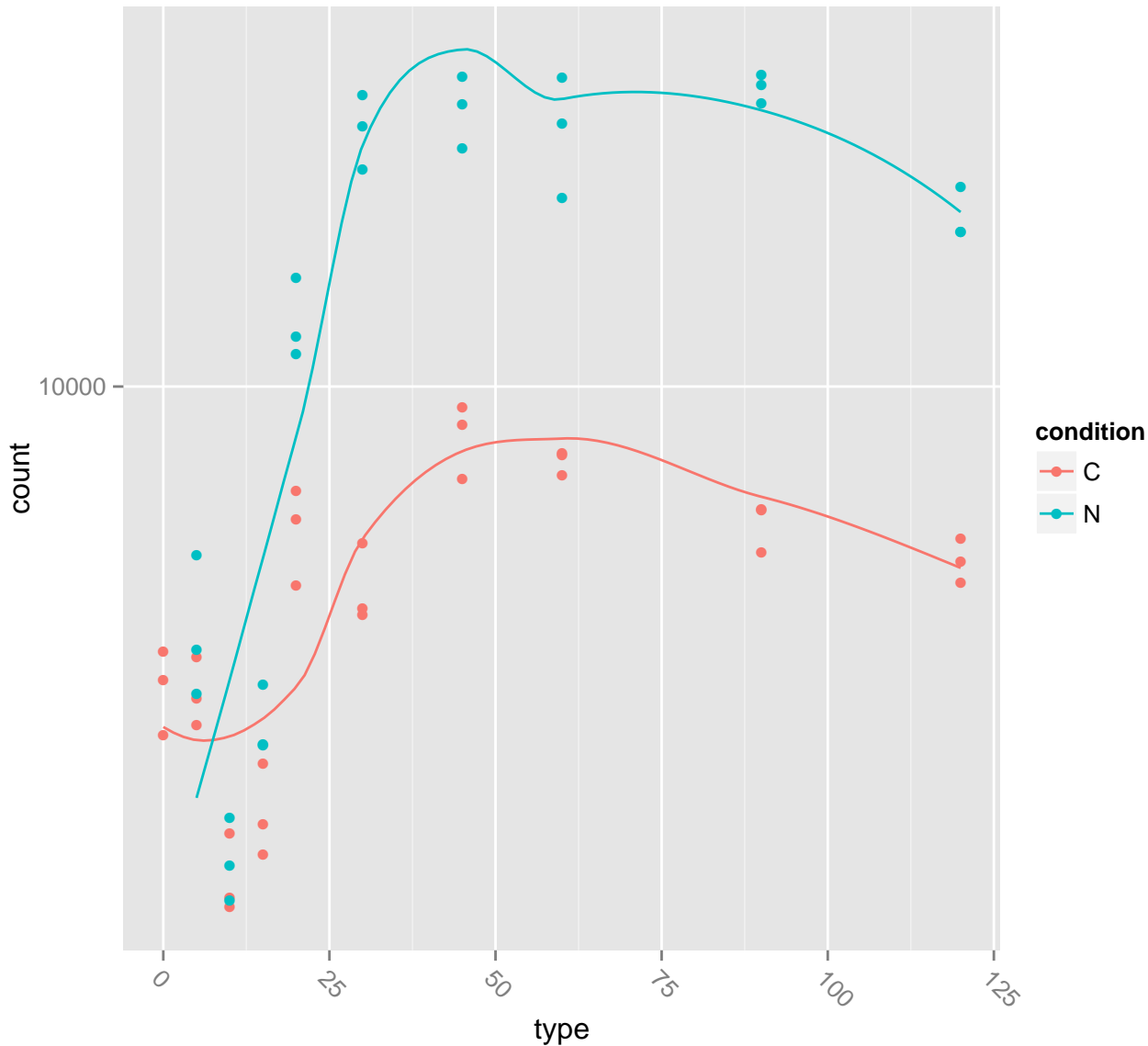
*"ATMYB71, MYB305, myb domain protein 305"*





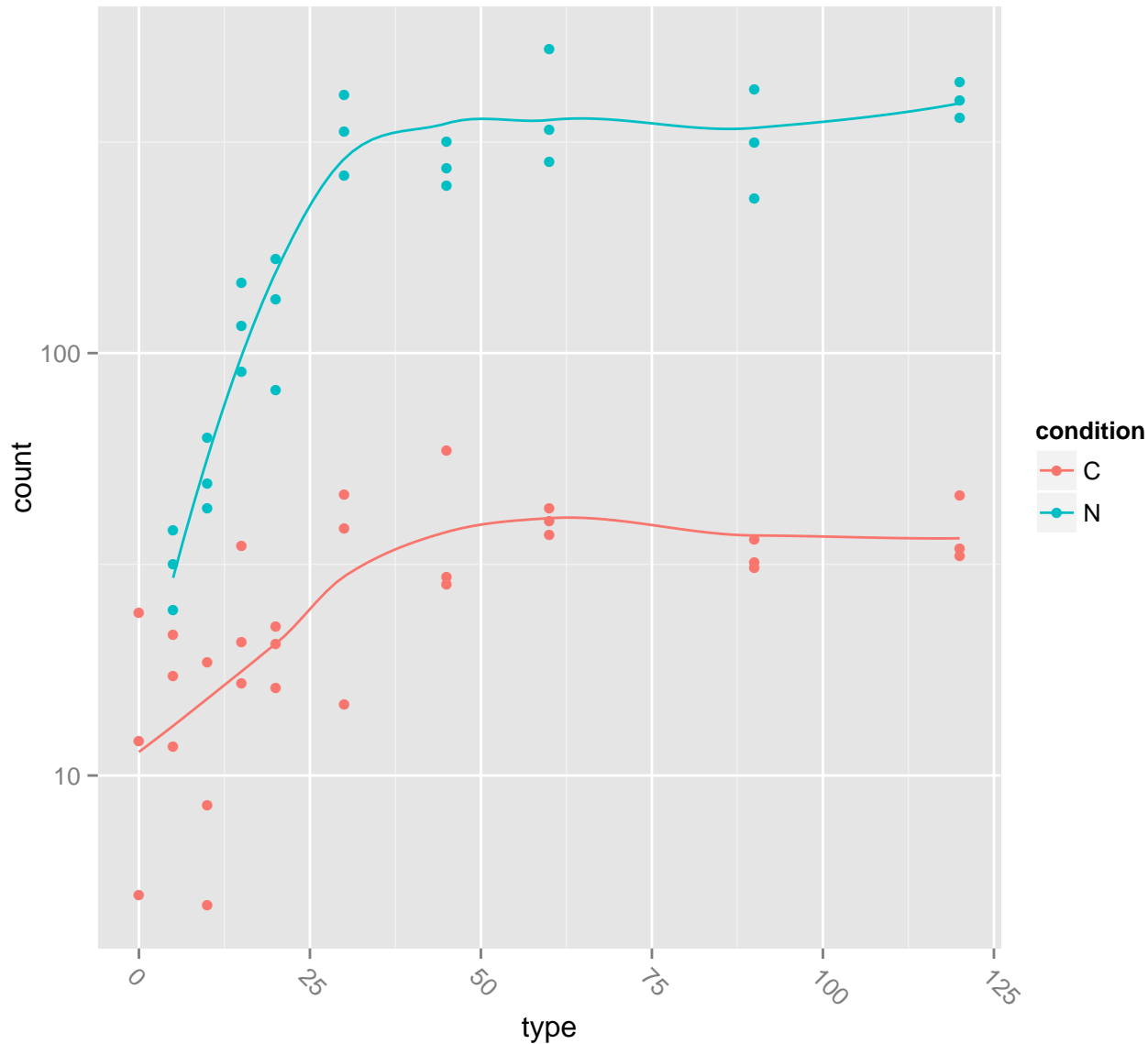
# AT5G65210

*"TGA1, bZIP transcription factor family protein"*



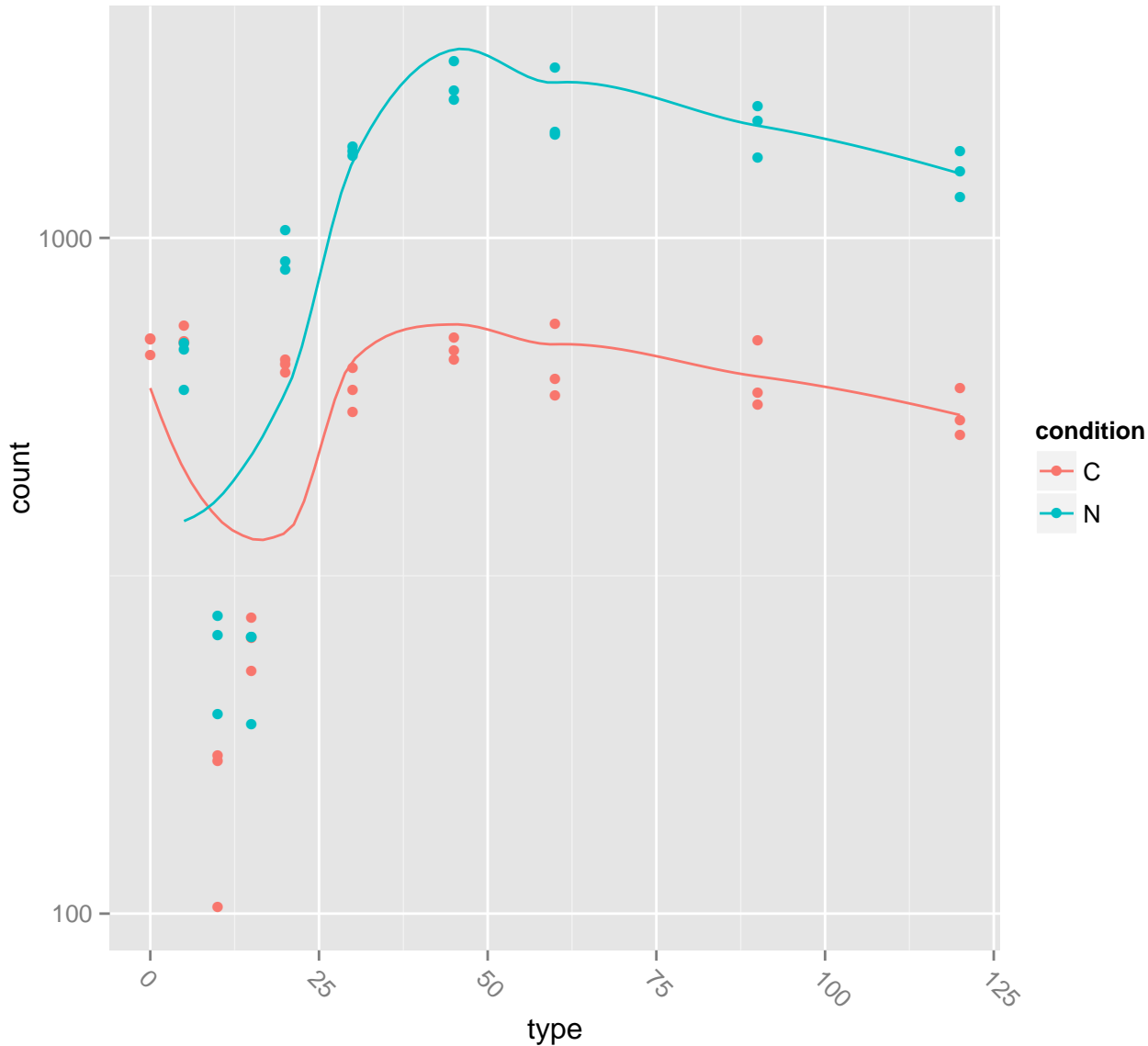
# AT5G59080

growth stages; *BEST Arabidopsis thaliana* protein match is: unknown protein (TAIR:AT3



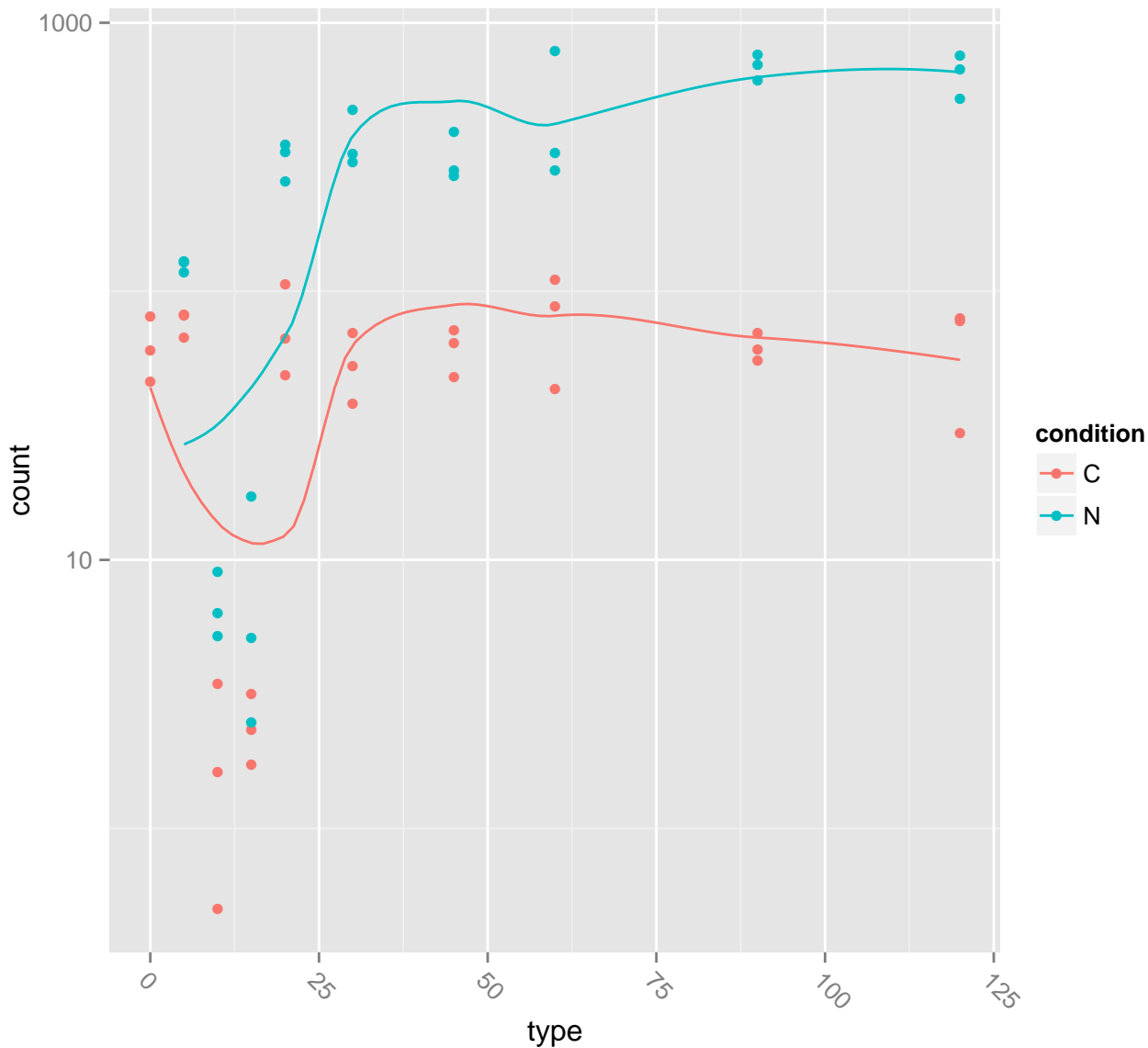
# AT2G42070

*"ATNUDT23, ATNUDX23, NUDX23, nudix hydrolase homolog 23"*



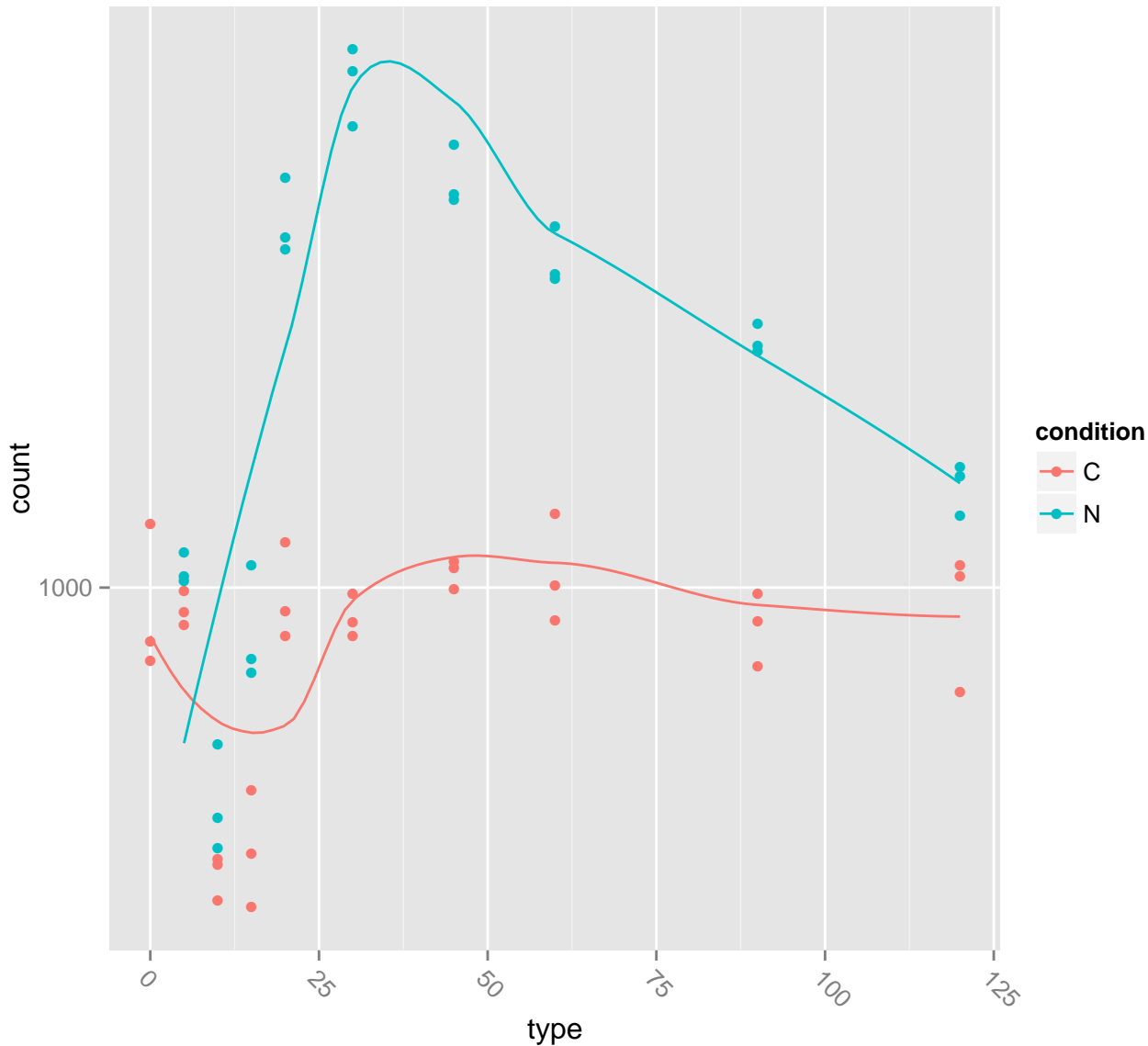
# AT1G32928

35333 Blast hits to 34131 proteins in 2444 species: Archae – 798; Bacteria – 22429; Me



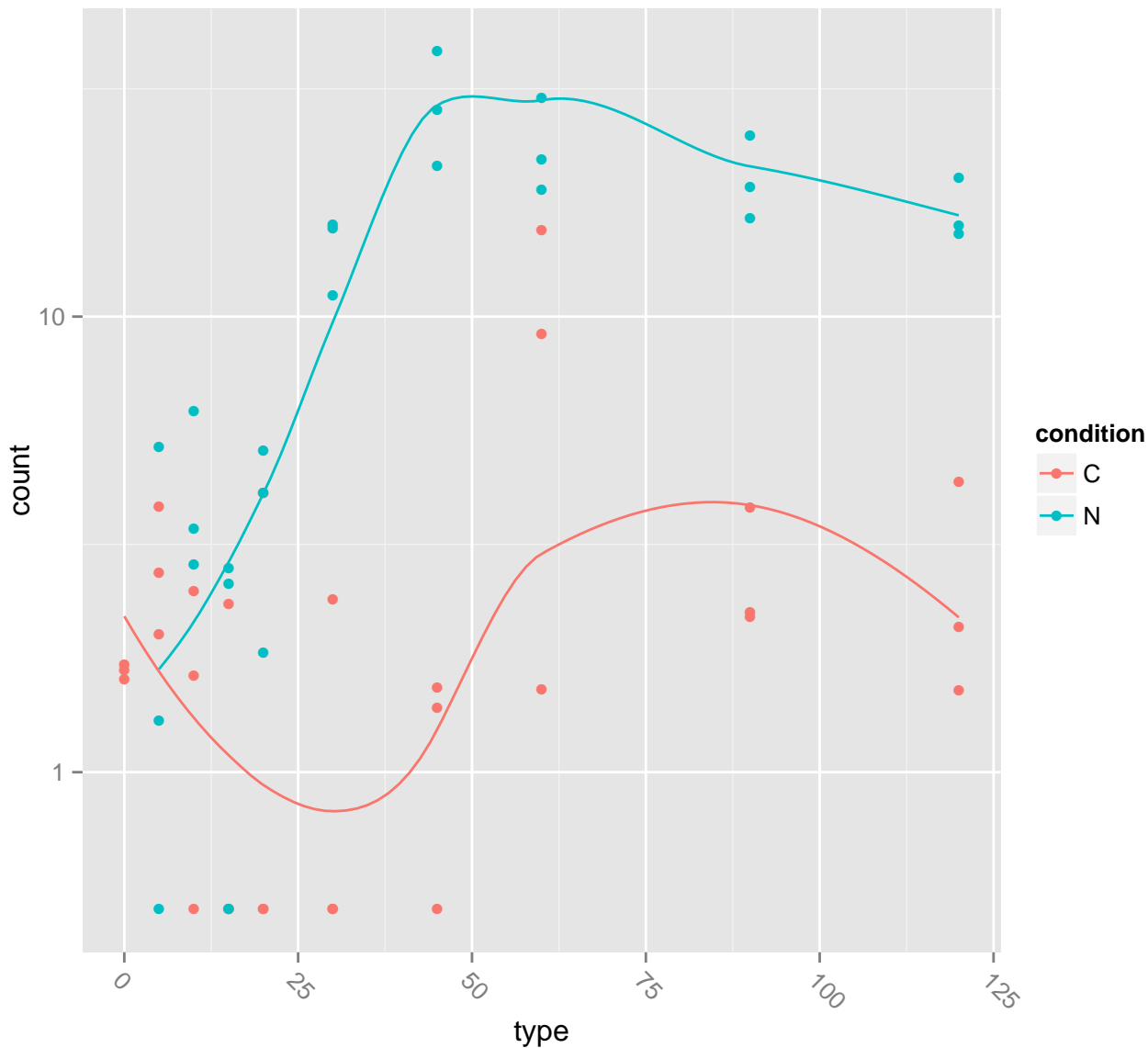
# AT3G17510

*"CIPK1, SnRK3.16, CBL-interacting protein kinase 1"*



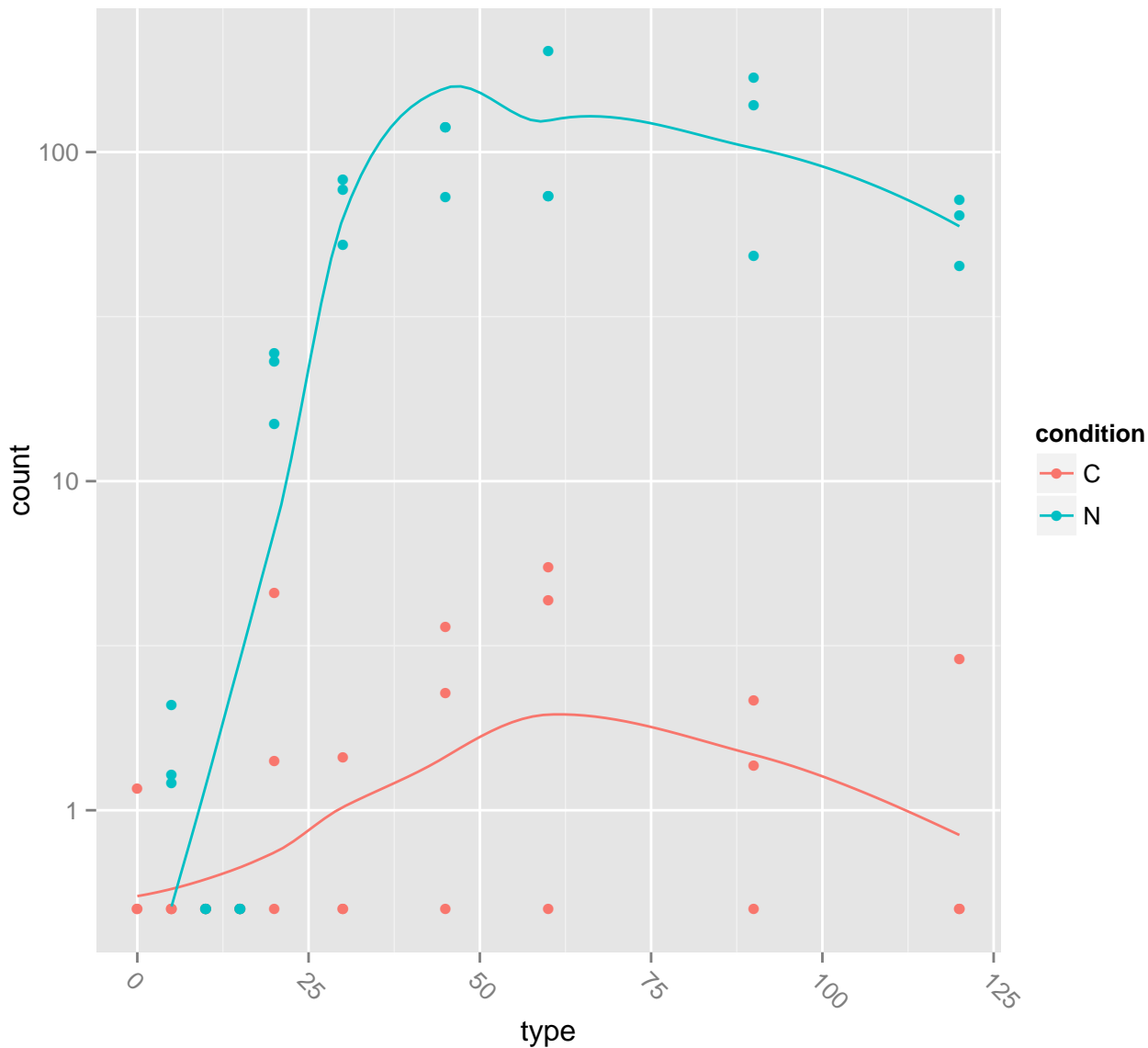
# AT2G39250

*"SNZ, Integrase-type DNA-binding superfamily protein"*



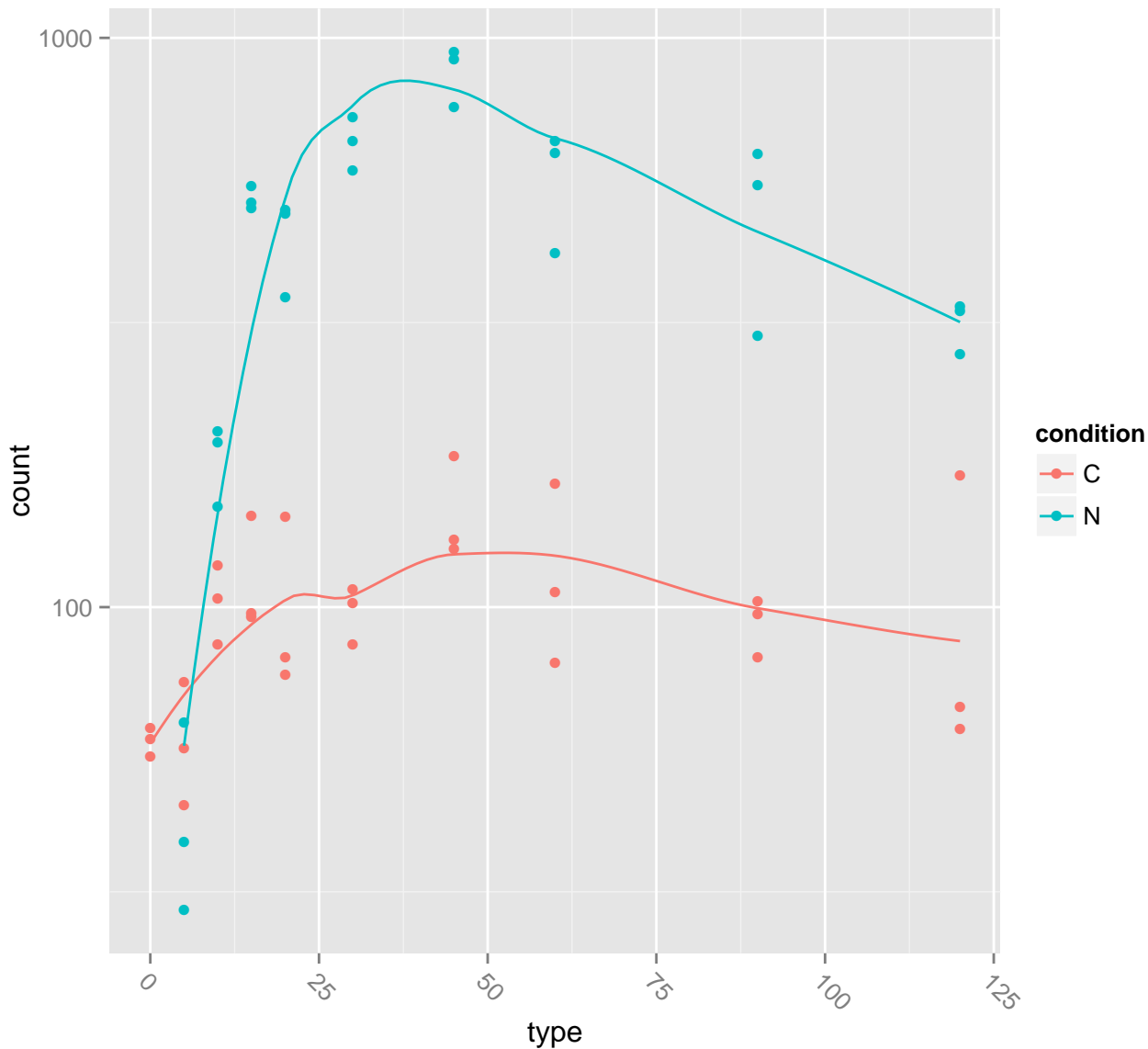
# AT4G00416

*"MBD3, methyl-CPG-binding domain 3"*



# AT4G30110

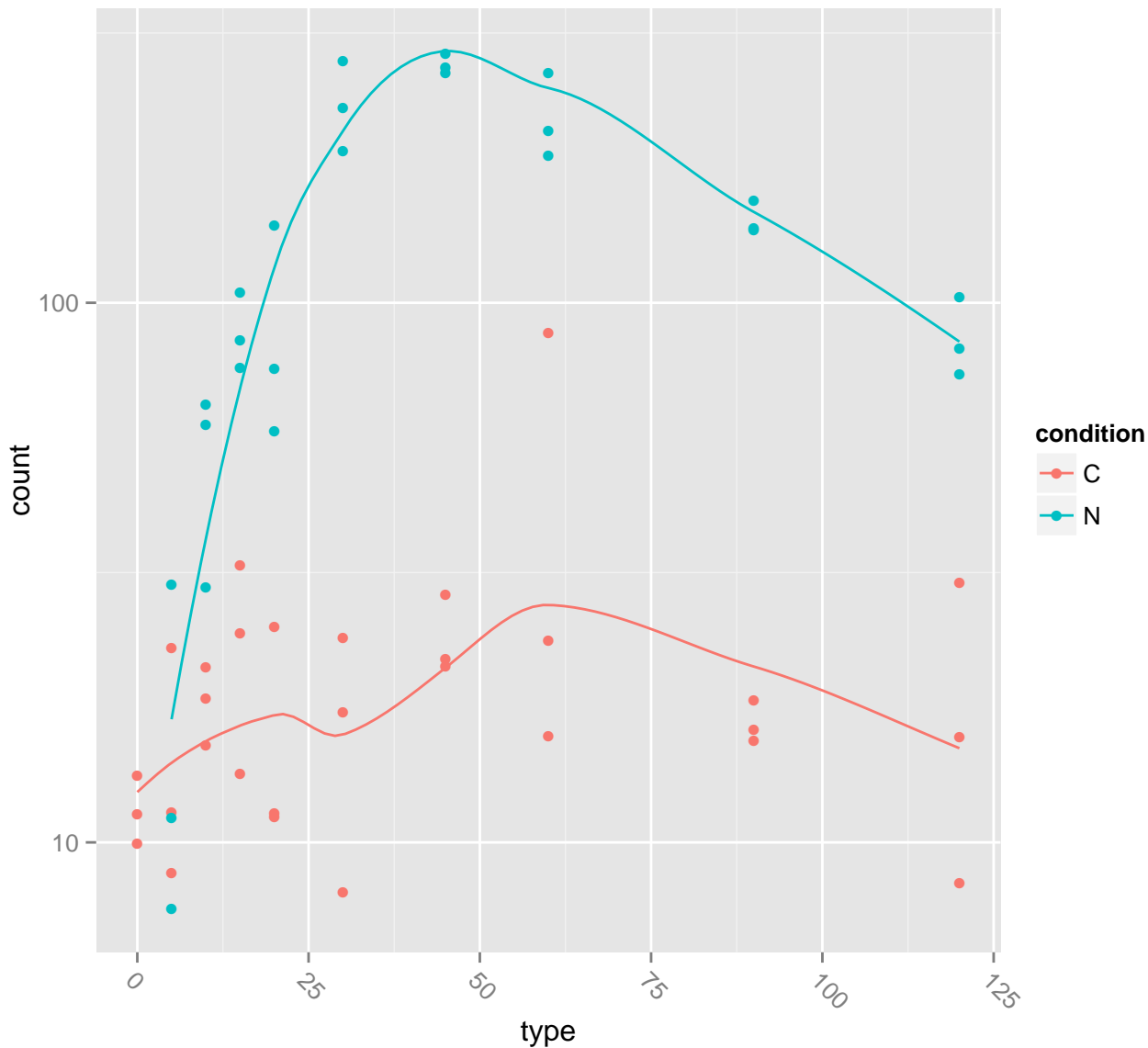
*"ATHMA2, HMA2, heavy metal atpase 2"*





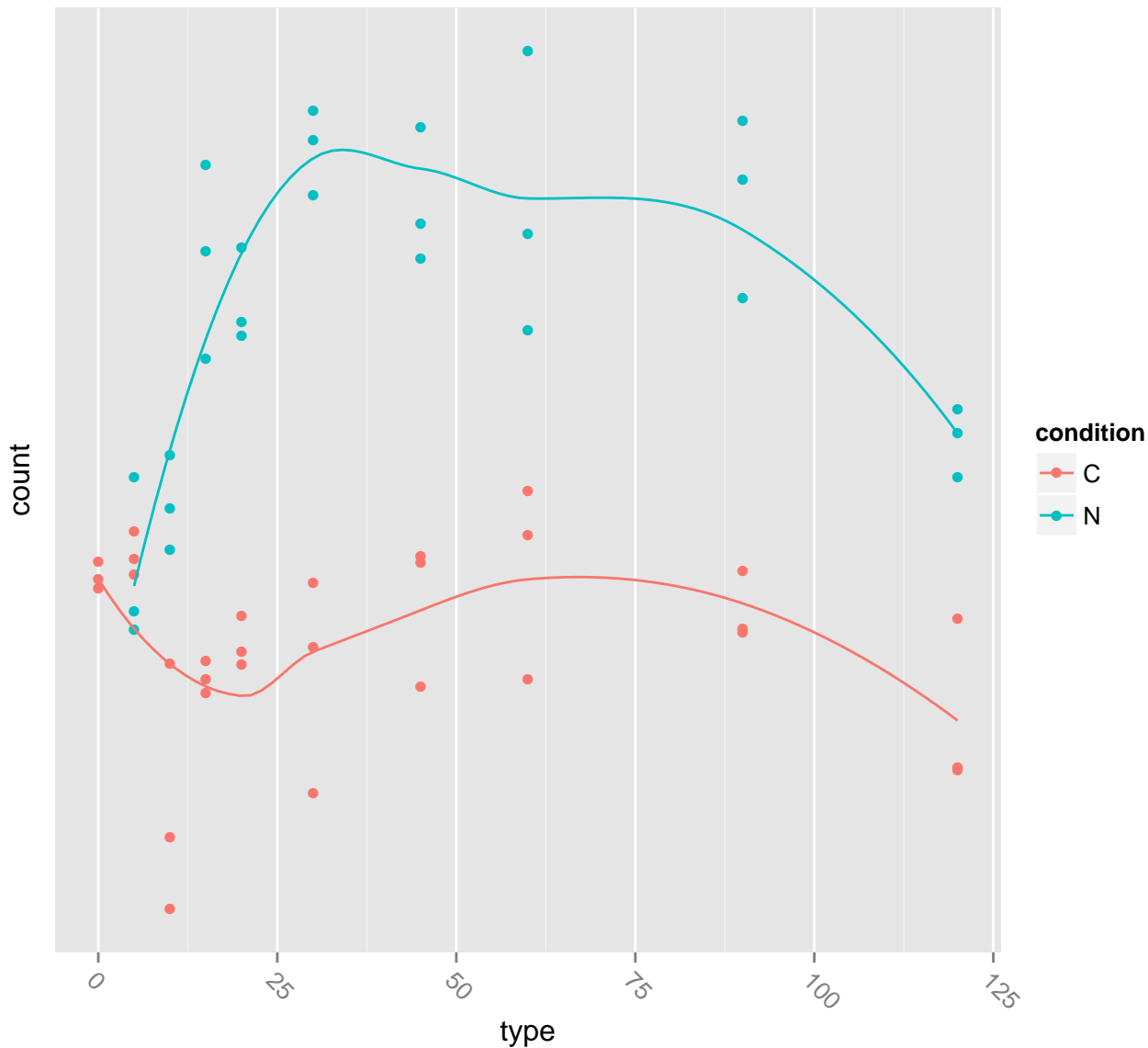
# AT2G22200

*Integrase-type DNA-binding superfamily protein*



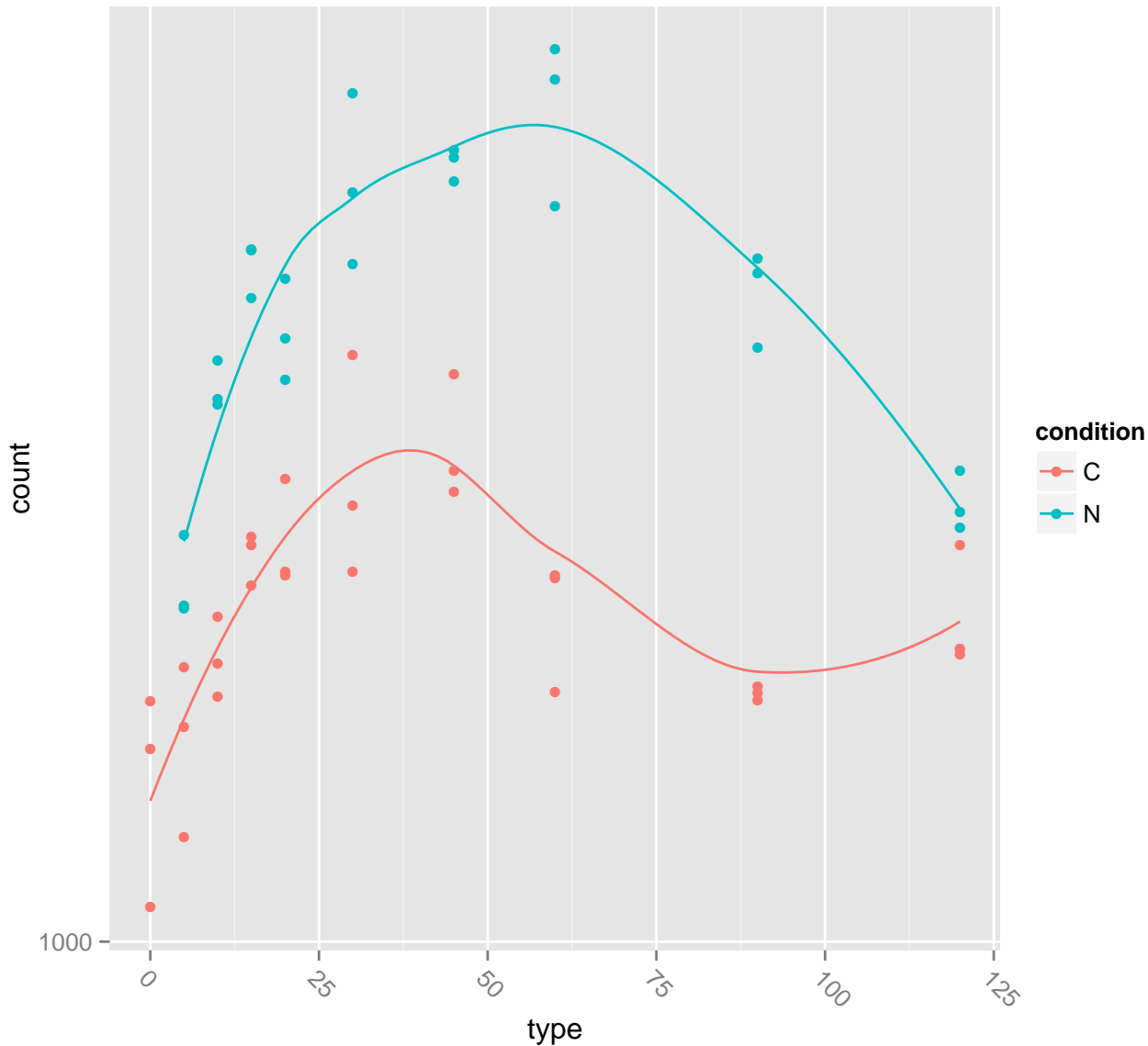
# AT1G30200

*F-box family protein*



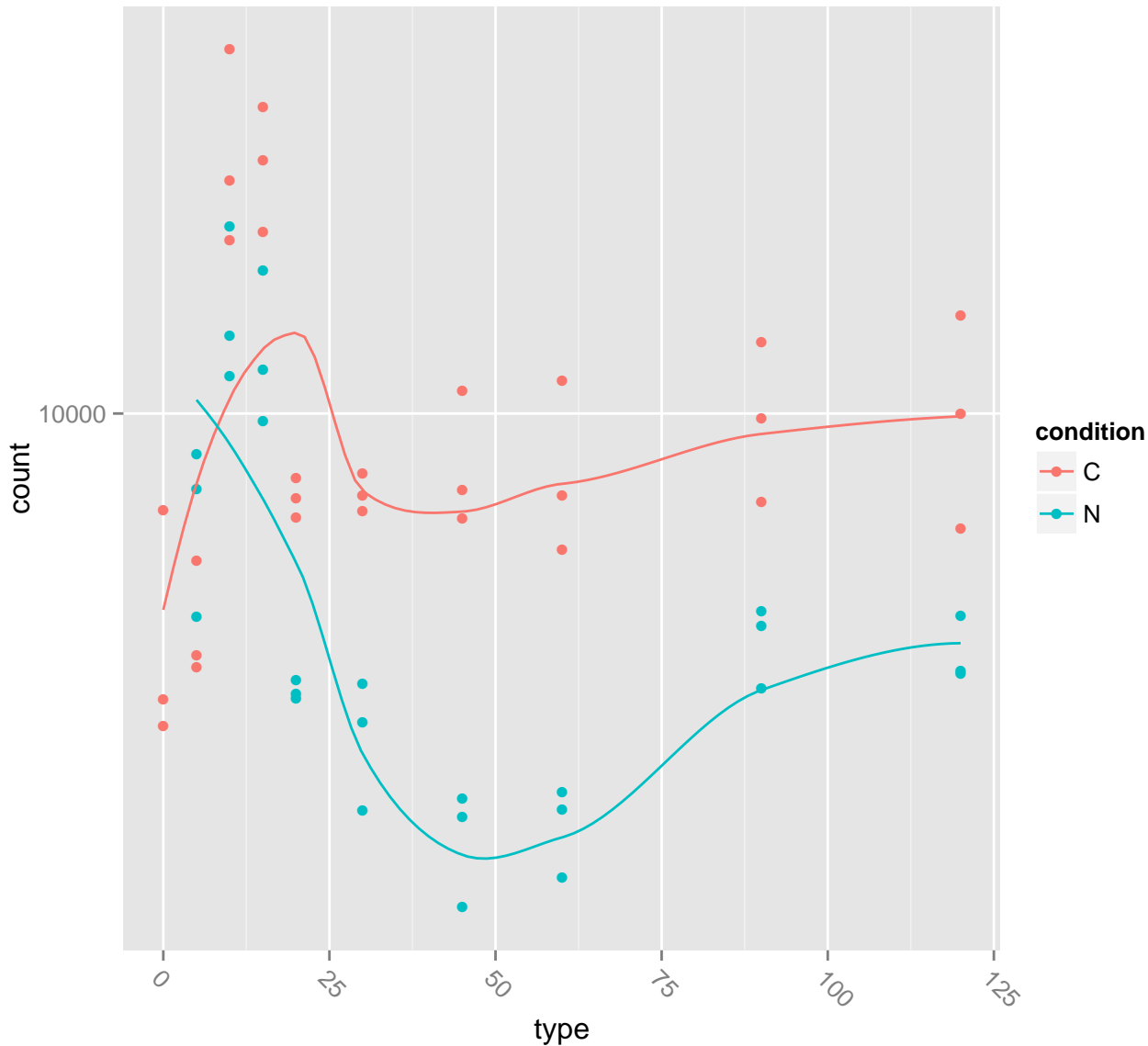
# AT3G25780

"AOC3, allene oxide cyclase 3"



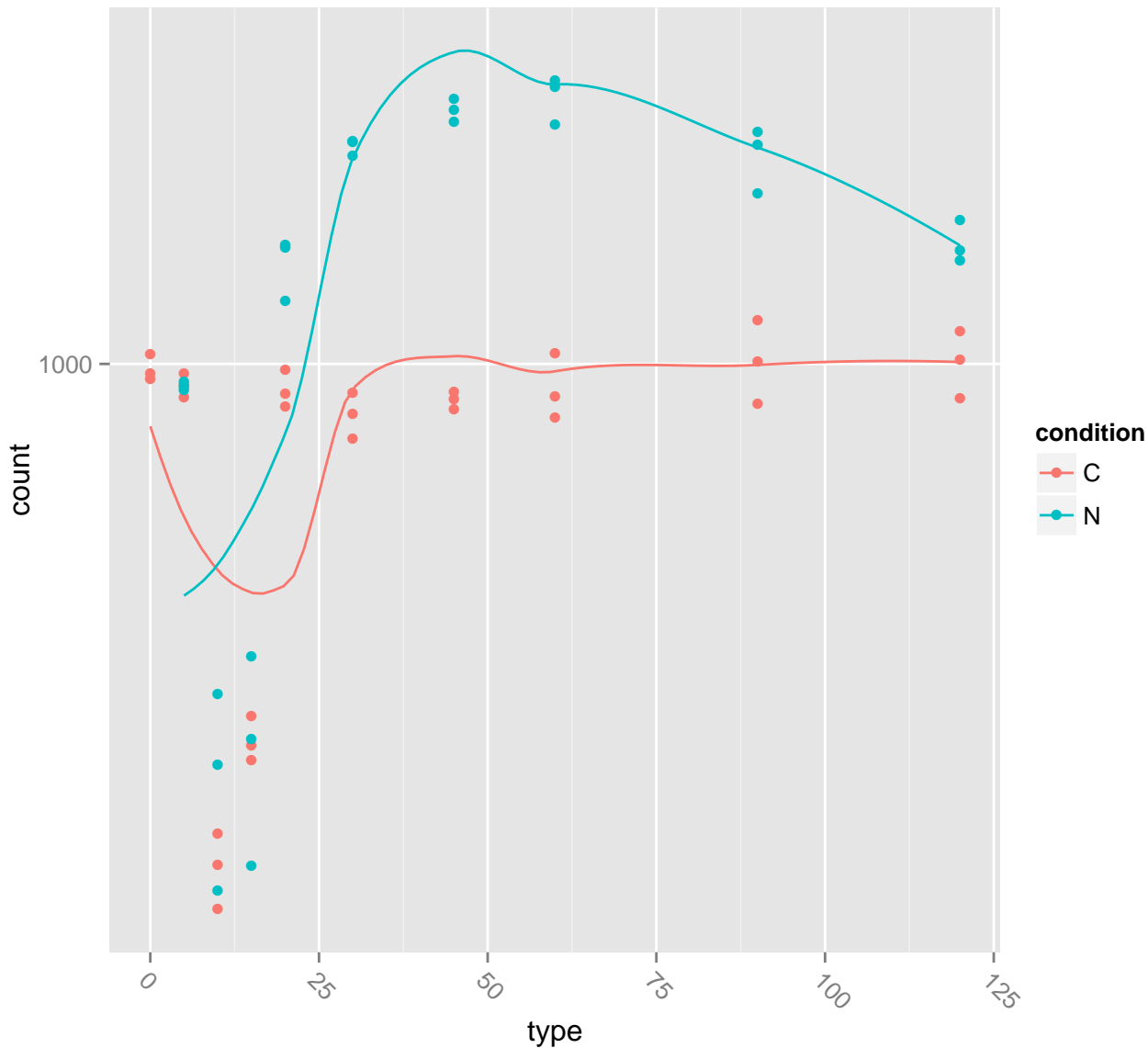
# AT2G41410

*Calcium-binding EF-hand family protein*



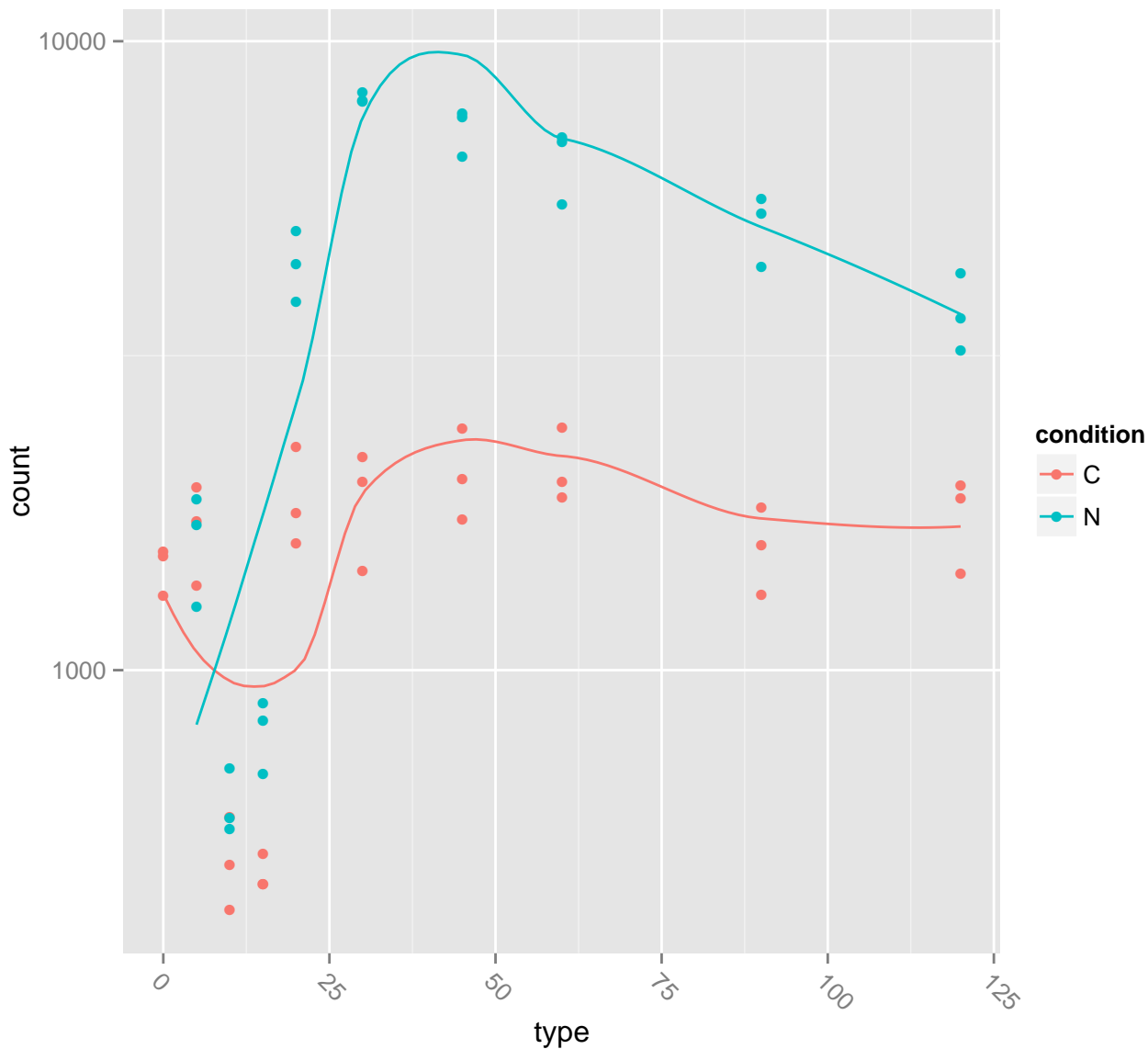
# AT2G19600

*"ATKEA4, KEA4, KEA4, K<sup>+</sup> efflux antiporter 4"*



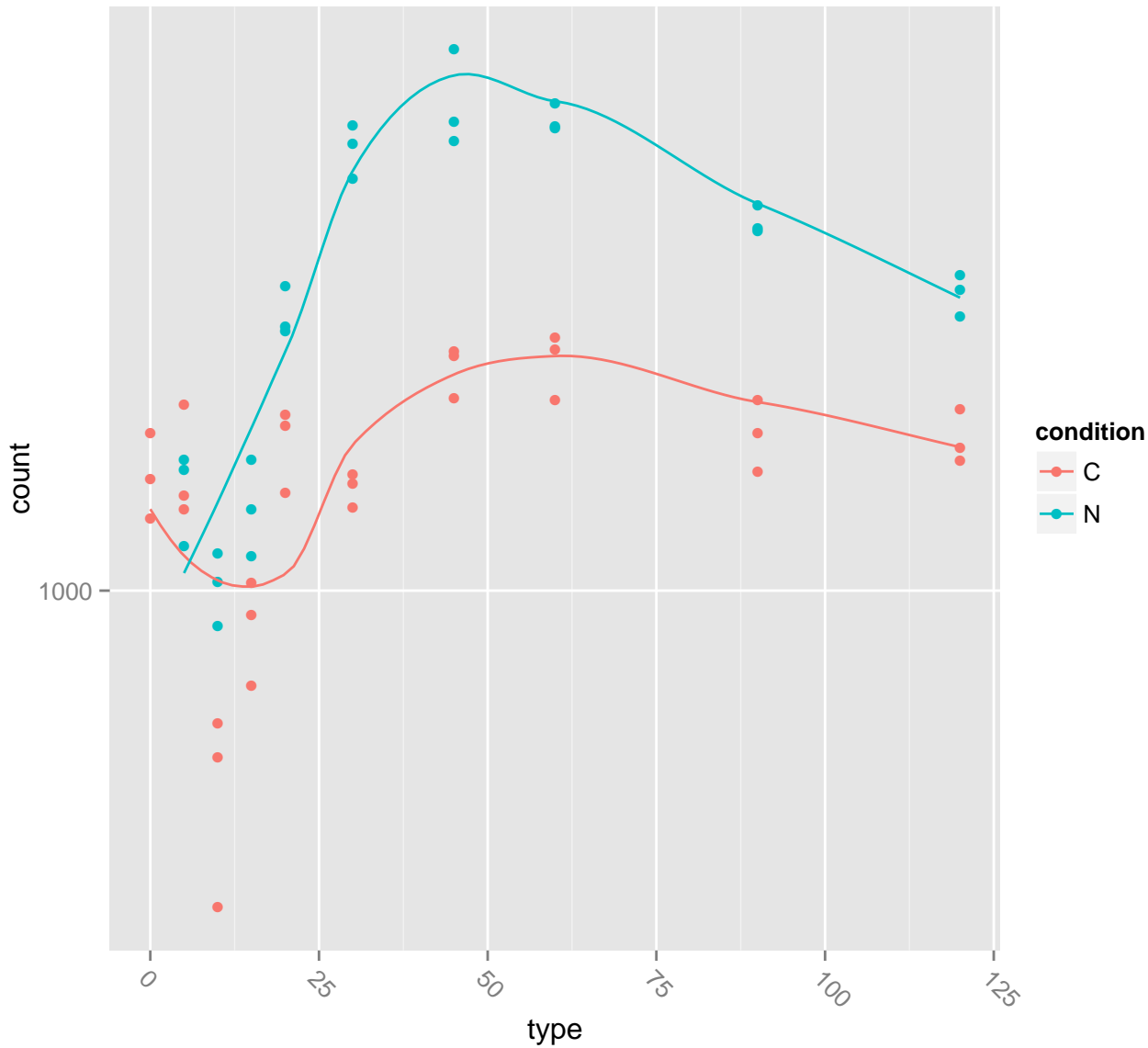
# AT3G13730

*"CYP90D1, cytochrome P450, family 90, subfamily D, polypeptide 1"*



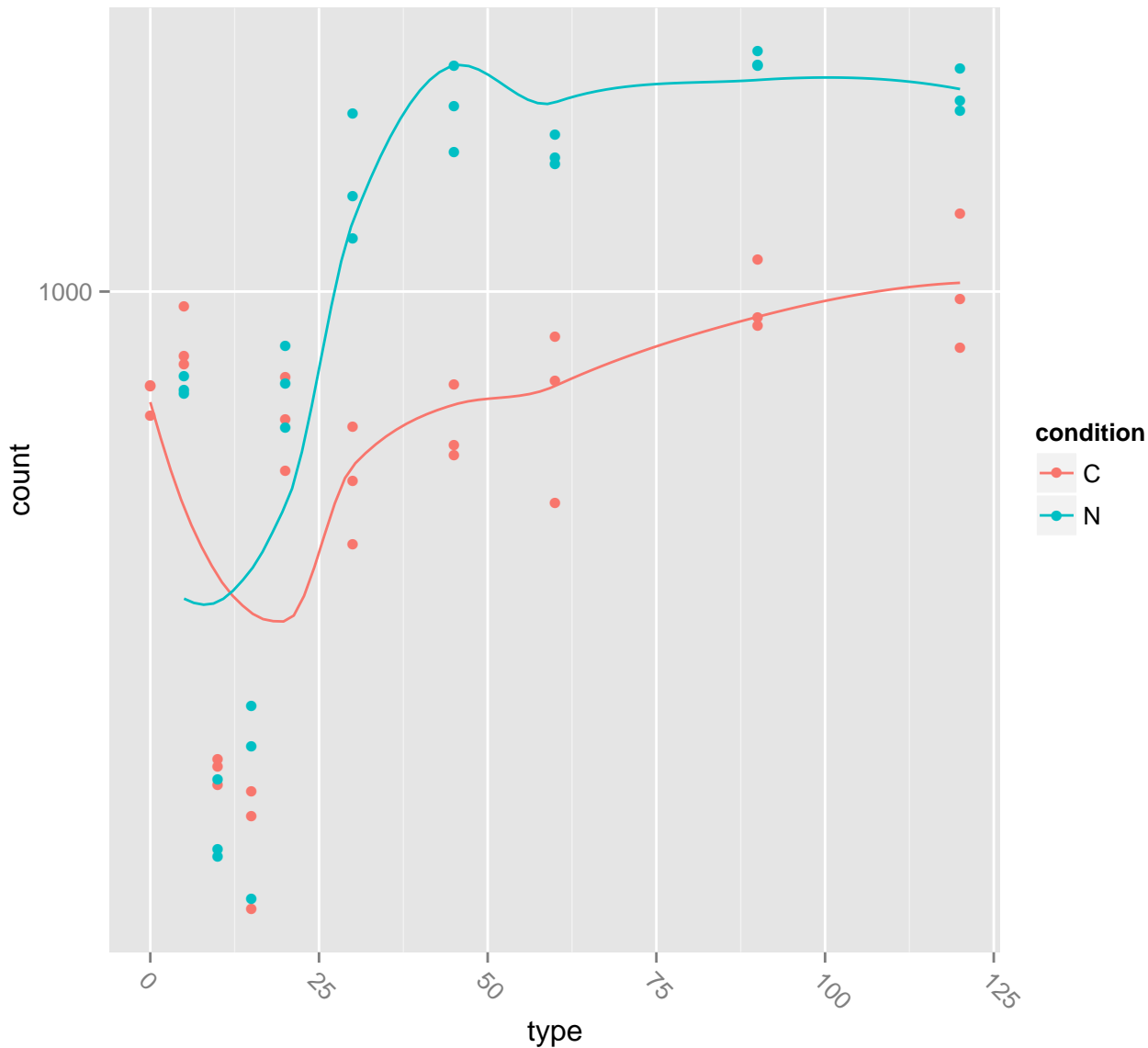
# AT5G10030

*"OBF4, TGA4, TGACG motif-binding factor 4"*



# AT2G23030

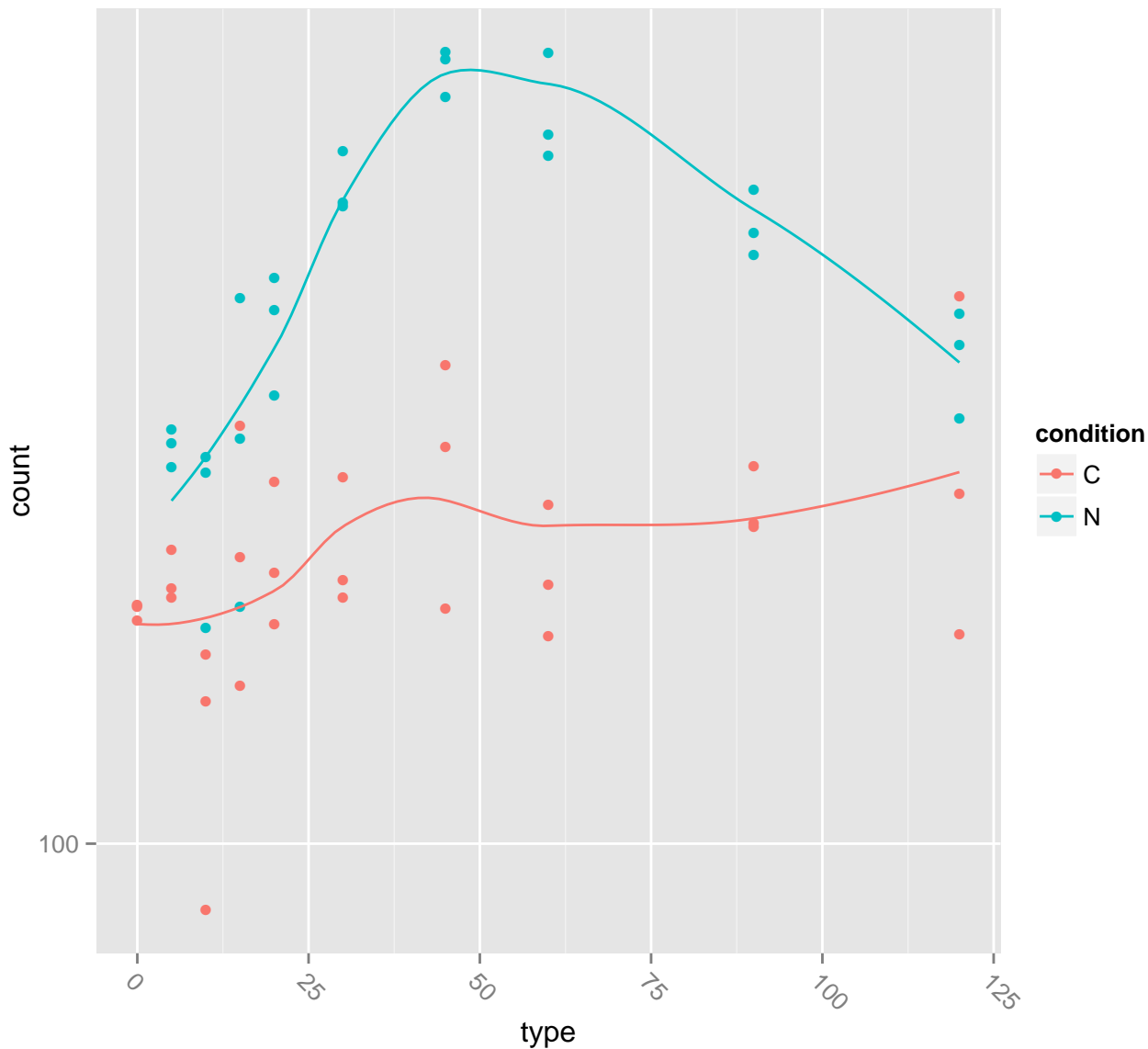
*"SNRK2-9, SNRK2.9, SNF1-related protein kinase 2.9"*





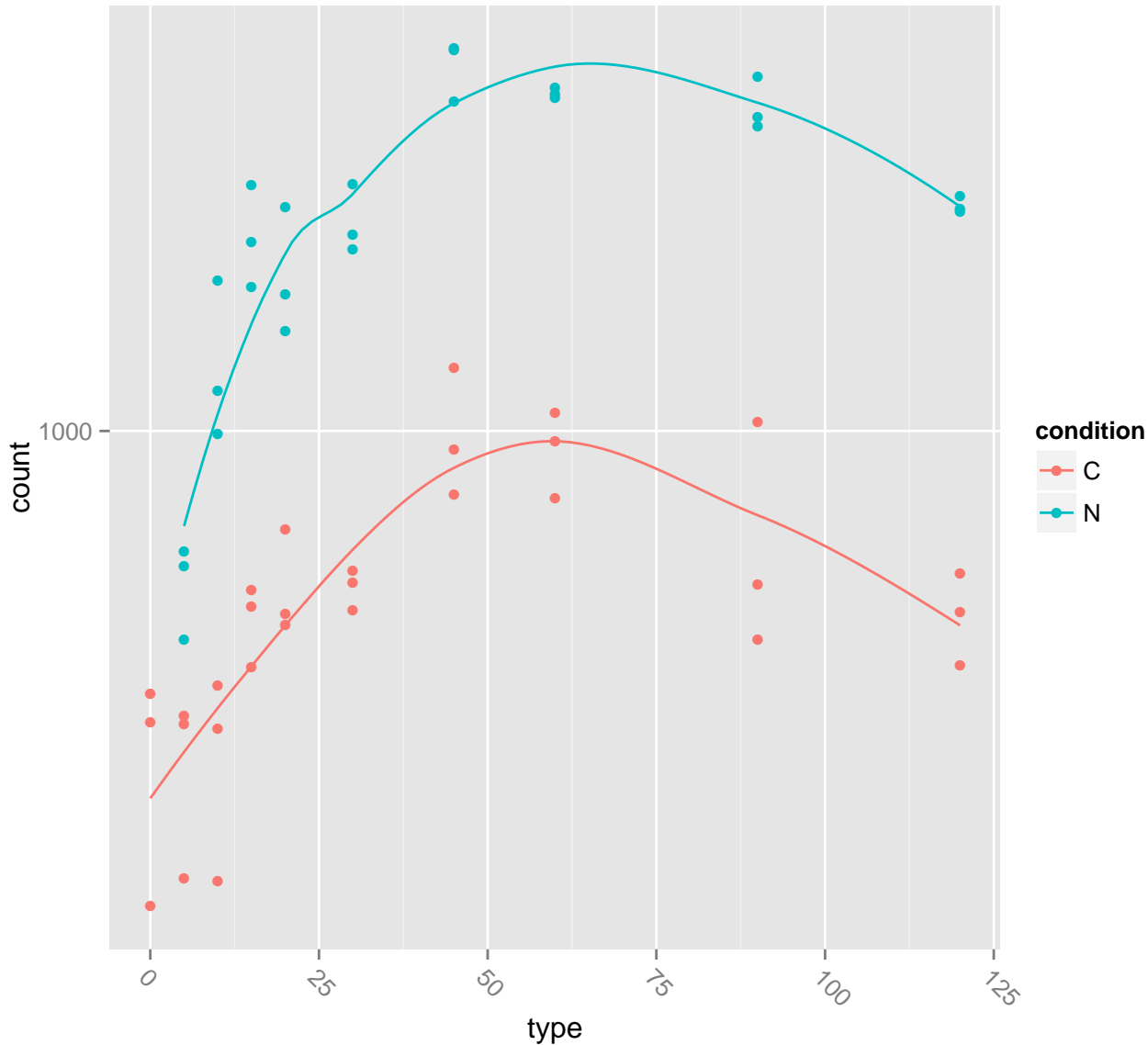
# AT1G16420

*"ATMC8, MC8, metacaspase 8"*



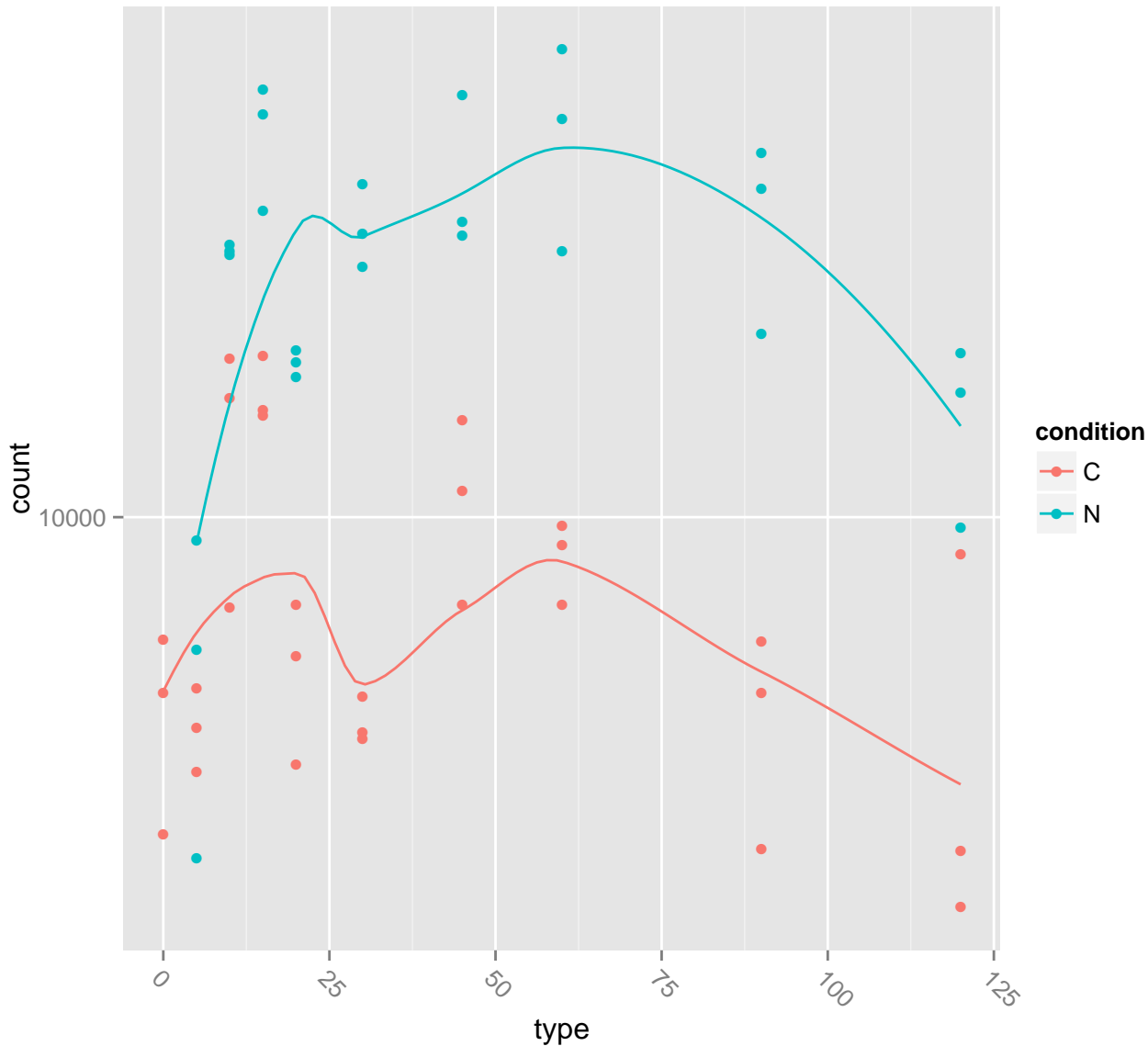
# AT3G10520

*"AHB2, ARATH GLB2, ATGLB2, GLB2, HB2, NSHB2, haemoglobin 2"*



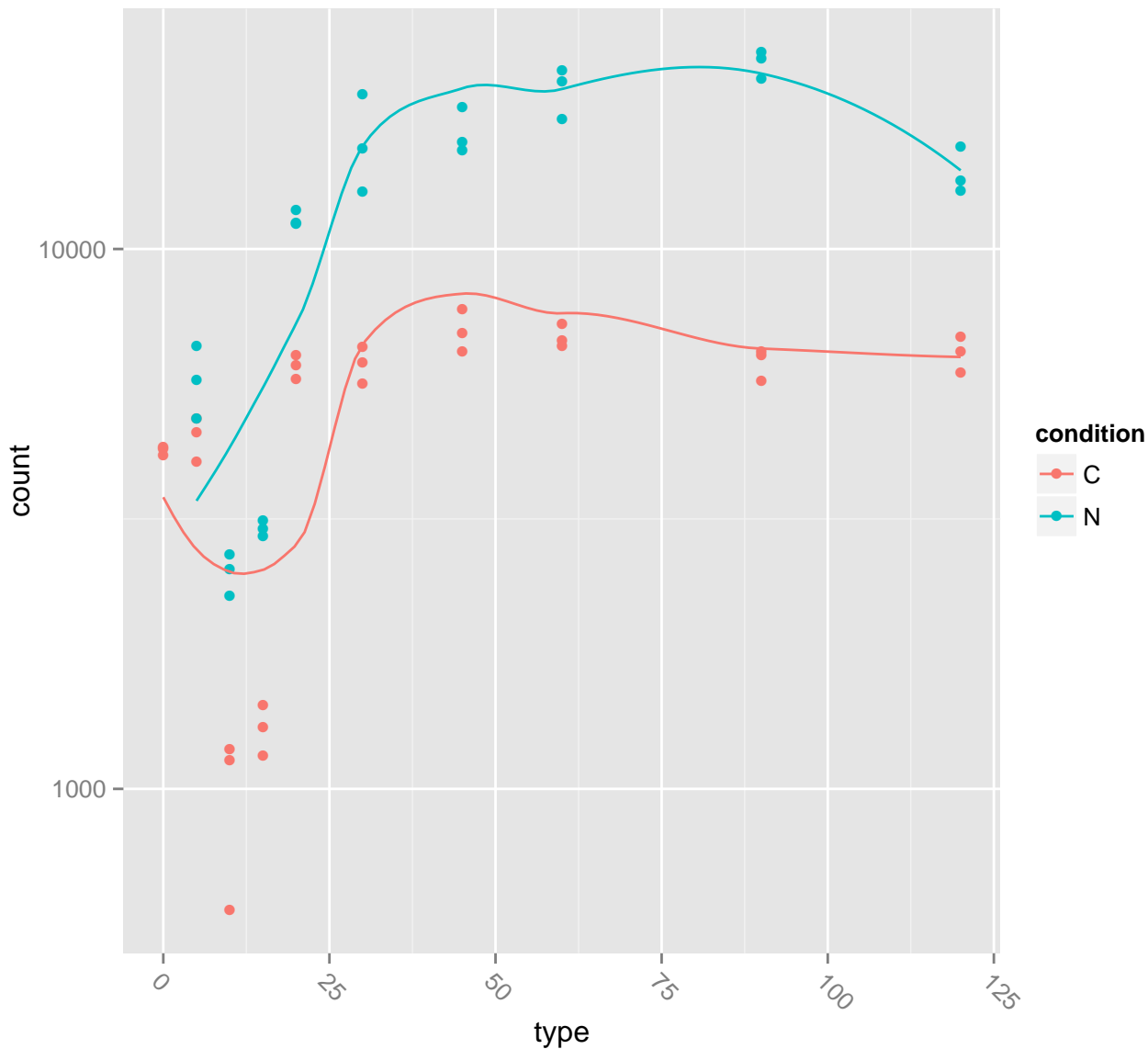
# AT4G32950

*Protein phosphatase 2C family protein*



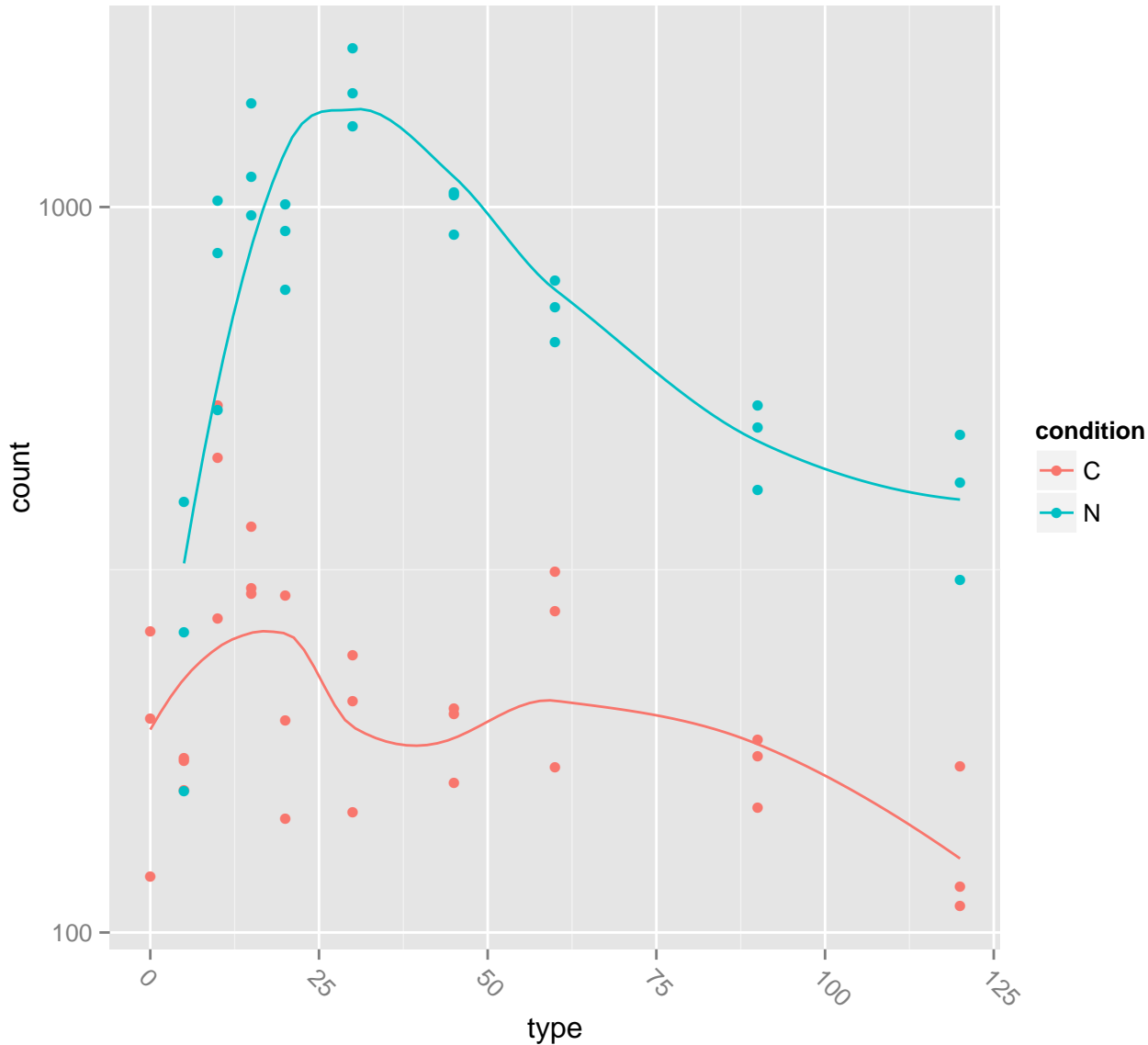
# AT3G47520

*"MDH, malate dehydrogenase"*



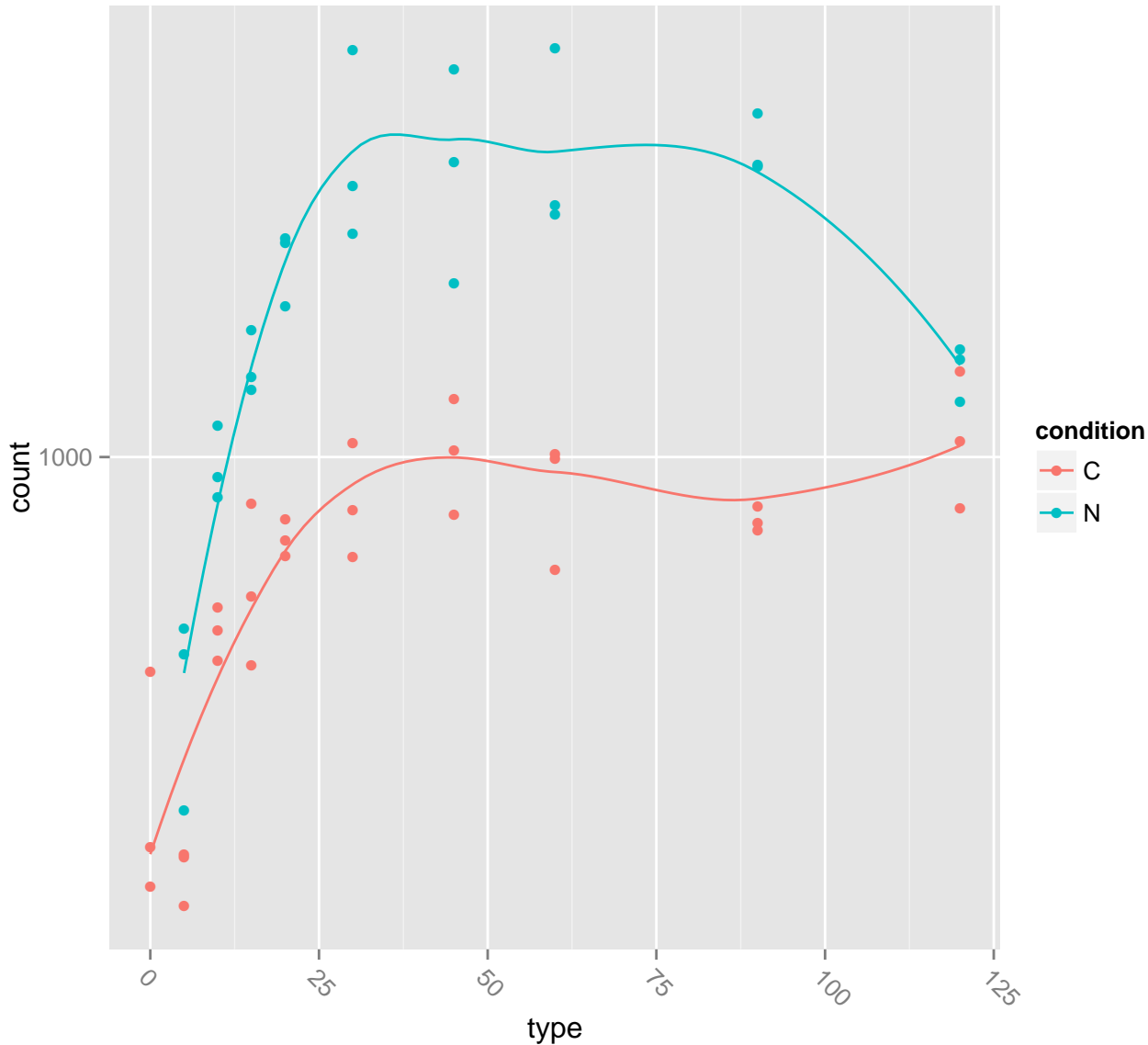
# AT1G77400

leucine-rich glycoprotein family protein (TAIR:AT1G21695.1); Has 328 Blast hits to 314 proteins



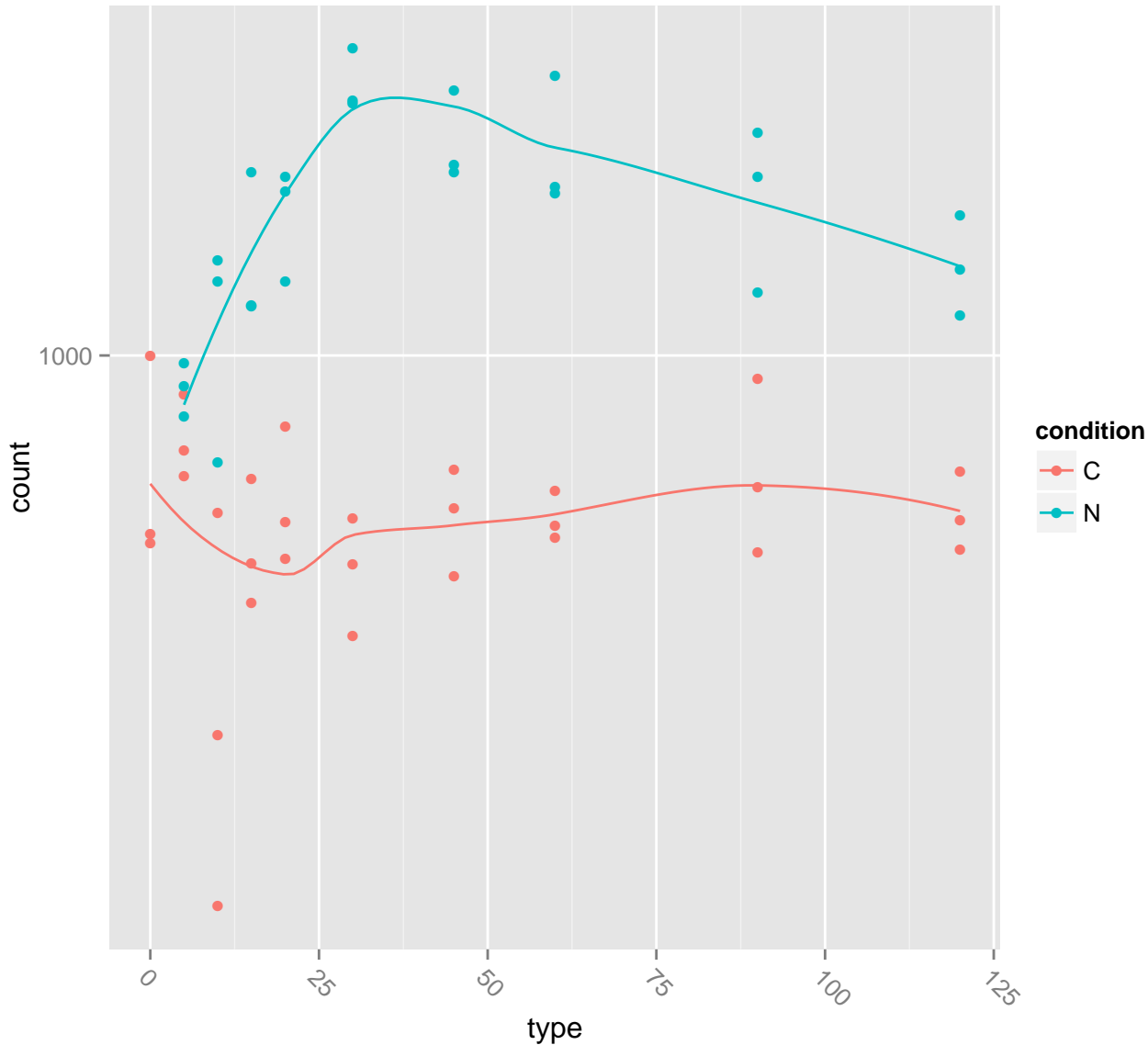
# AT3G52950

*CBS / octicosapeptide/Phox/Bemp1 (PB1) domains-containing protein*



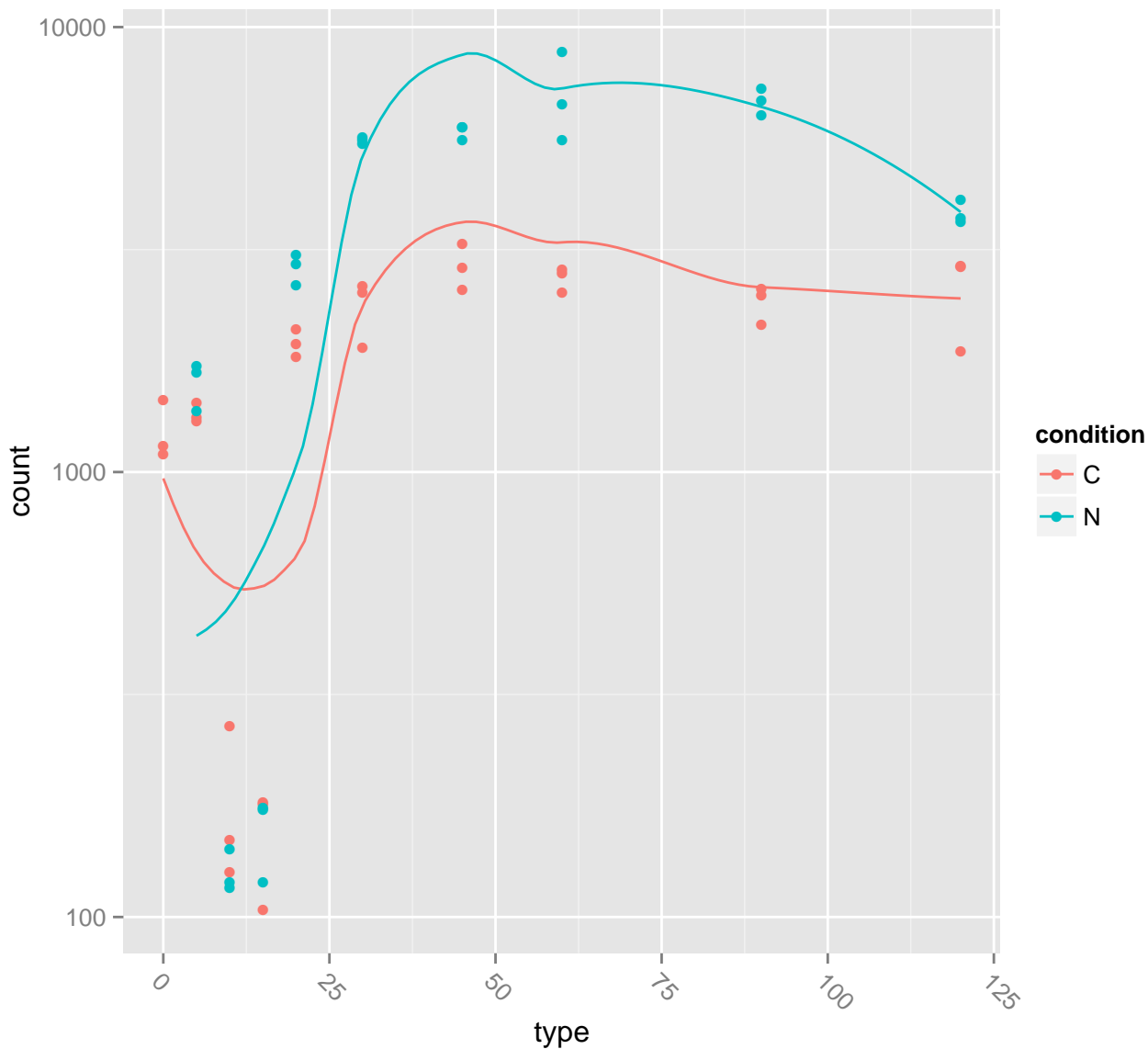
# AT1G67920

24600.1); Has 22 Blast hits to 22 proteins in 5 species: Archae – 0; Bacteria – 0; Metazo



# AT1G61740

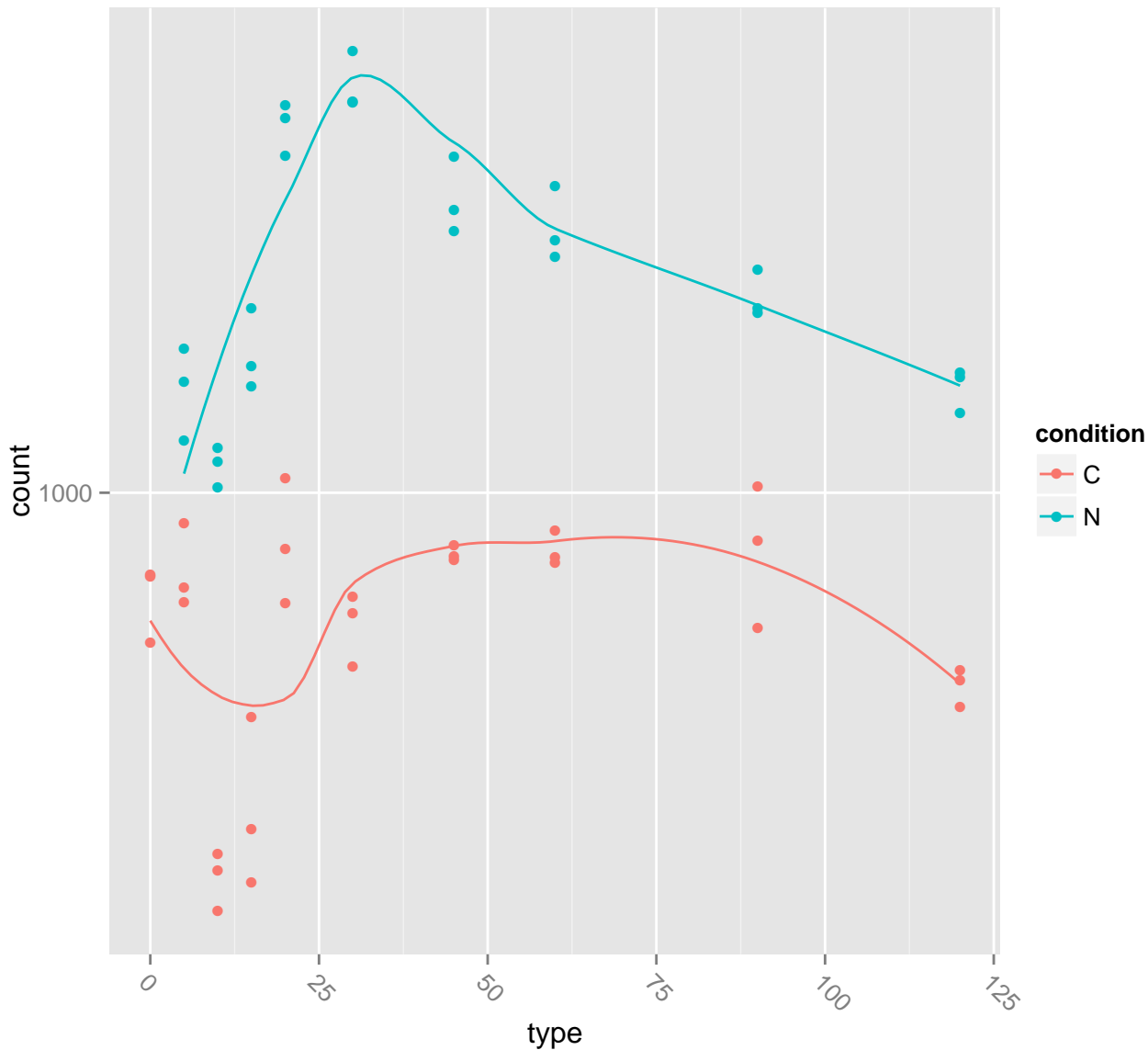
*Sulfite exporter TauE/SafE family protein*





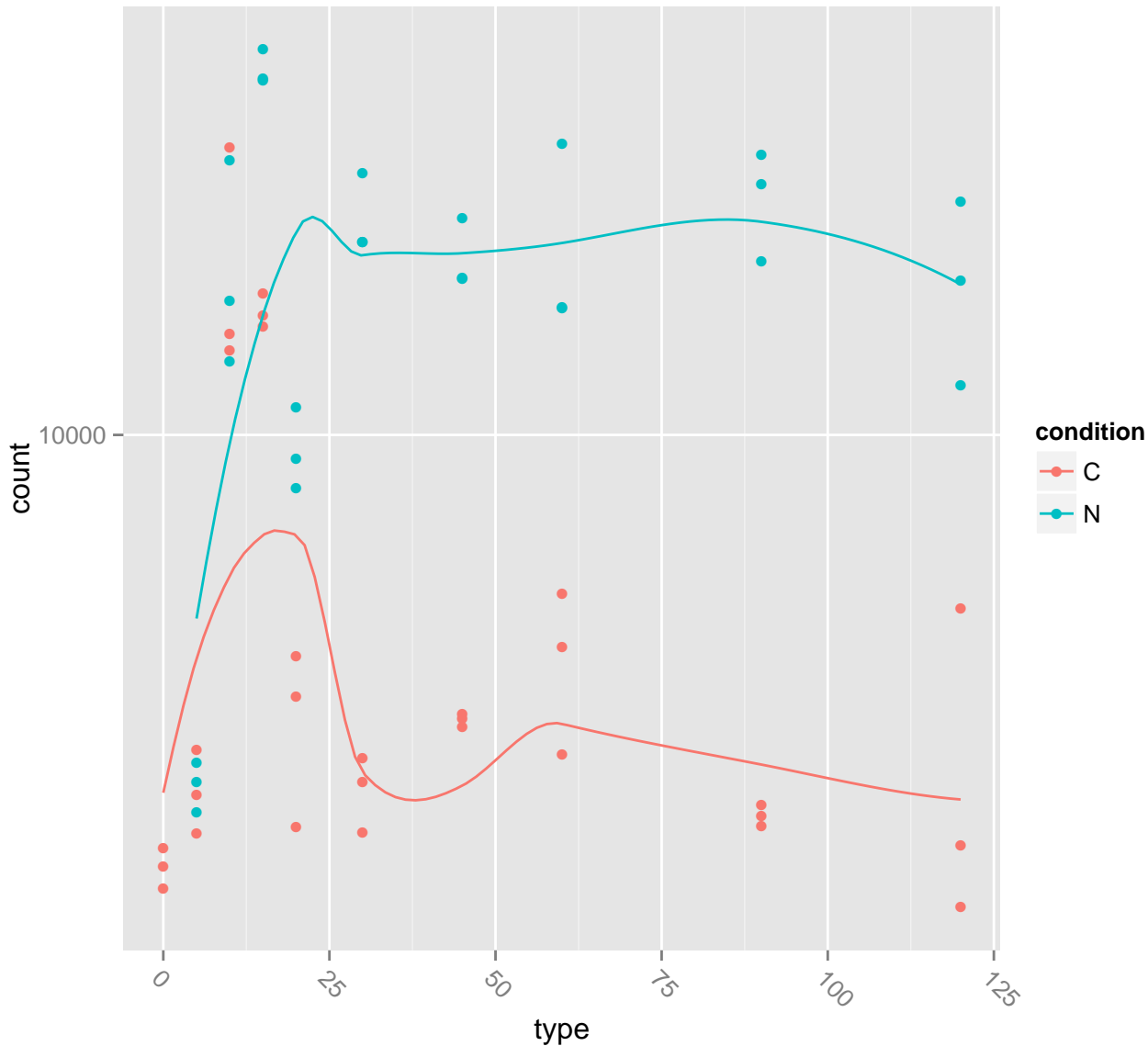
# AT1G13245

*"DVL4, RTFL17, ROTUNDIFOLIA like 17"*



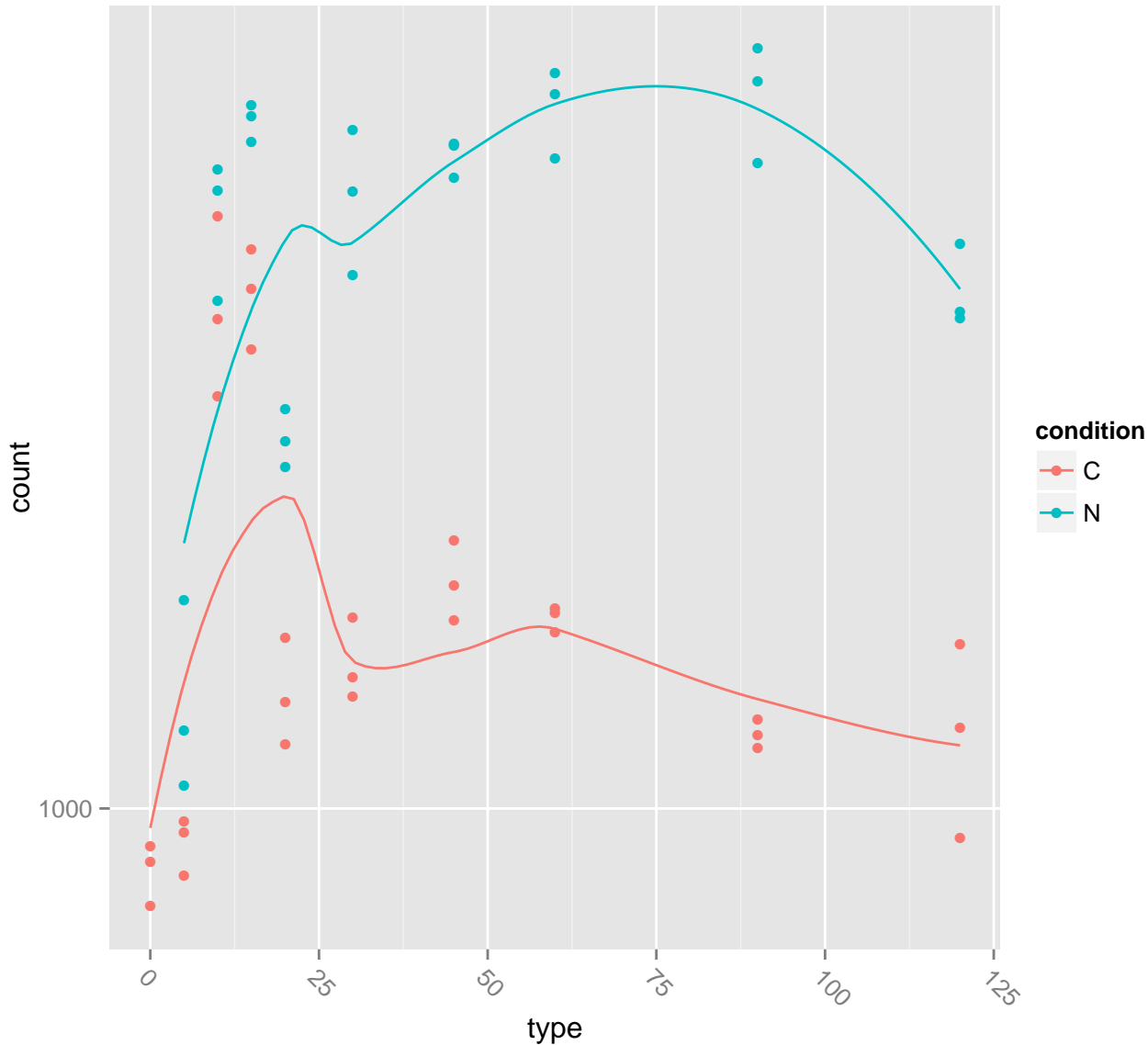
# AT4G36040

*Chaperone DnaJ-domain superfamily protein*



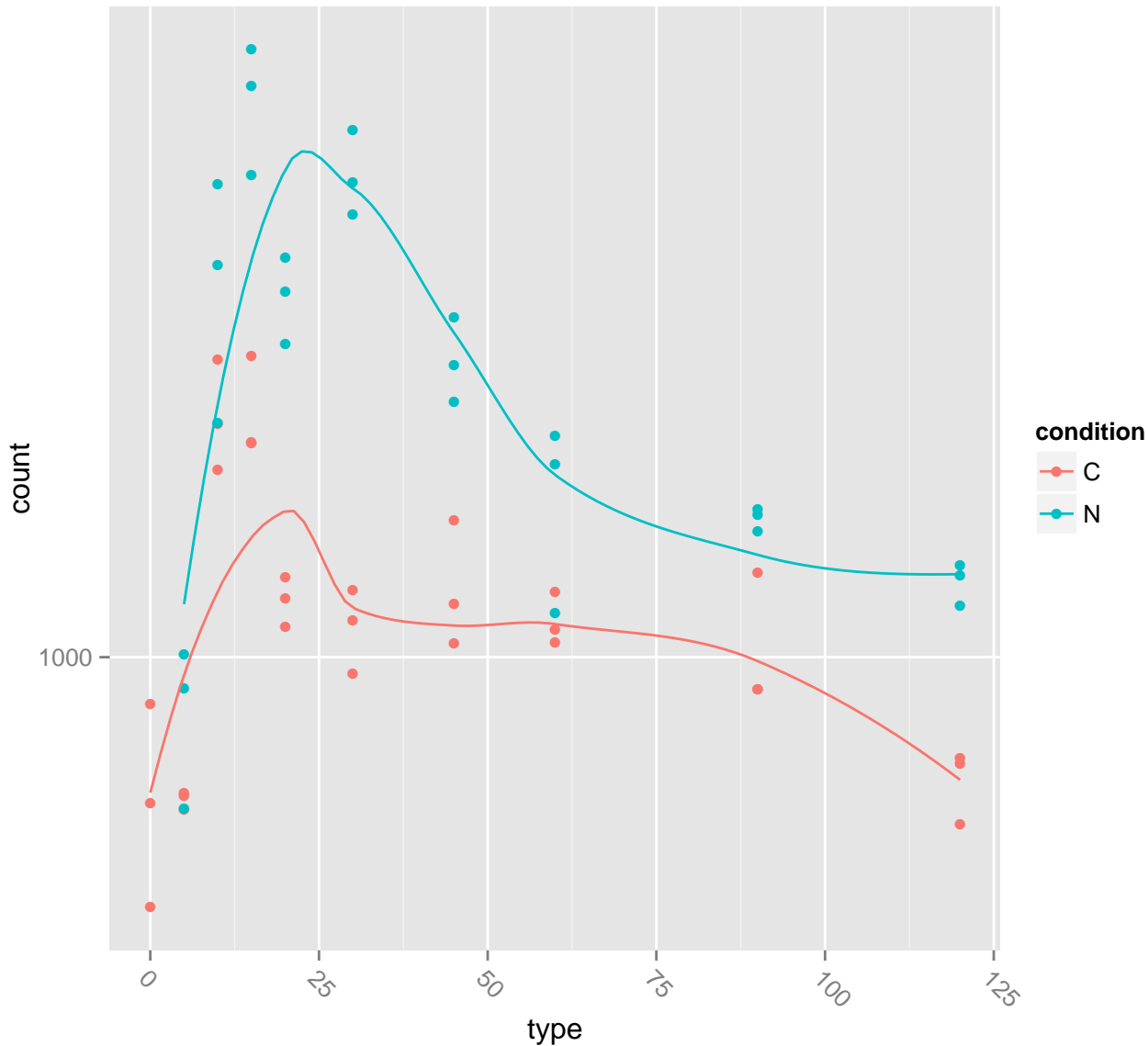
# AT3G18560

9000.1); Has 95 Blast hits to 95 proteins in 13 species: Archae - 0; Bacteria - 0; Metazo



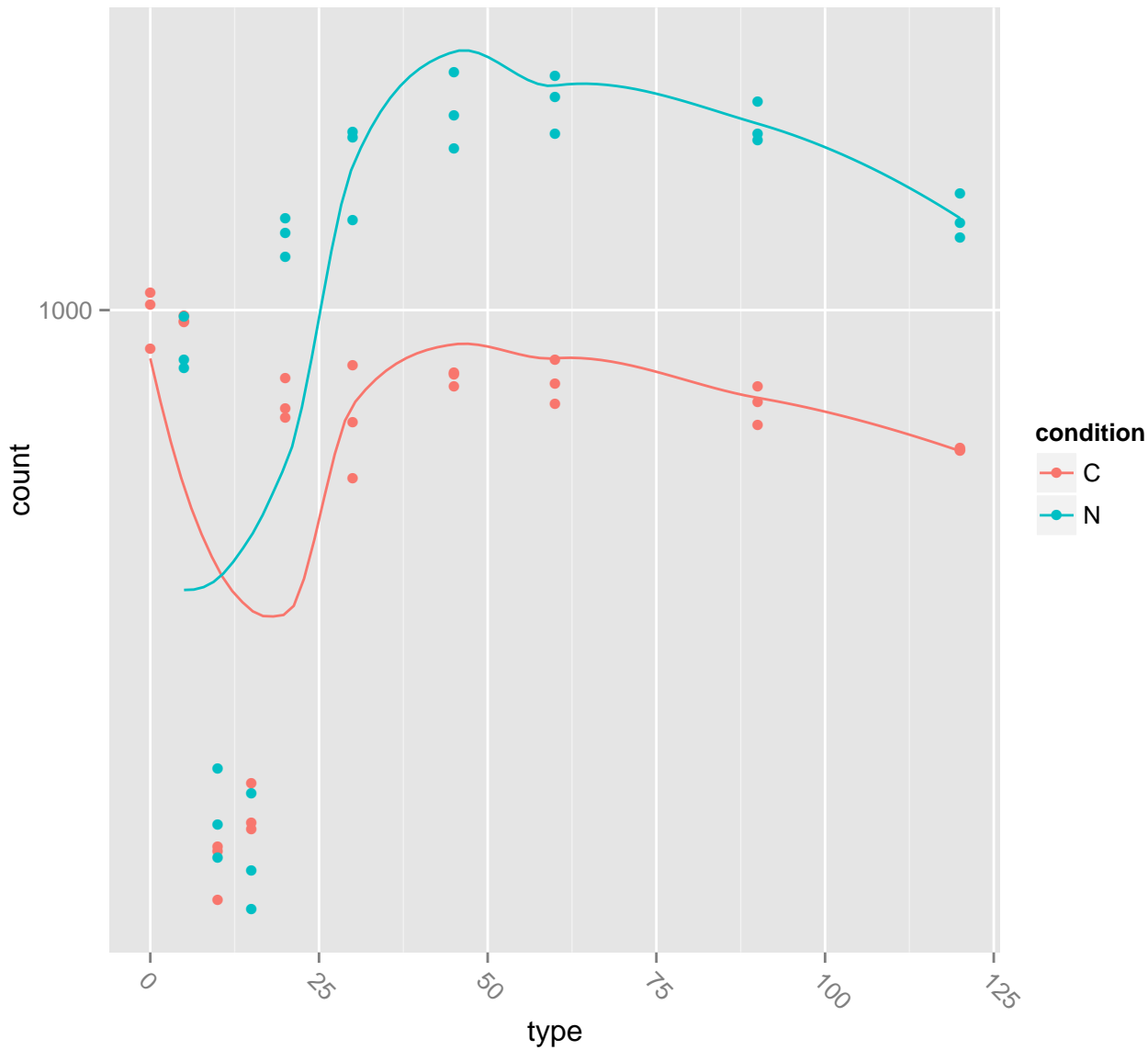
# AT1G15550

*"ATGA3OX1, GA3OX1, GA4, gibberellin 3-oxidase 1"*



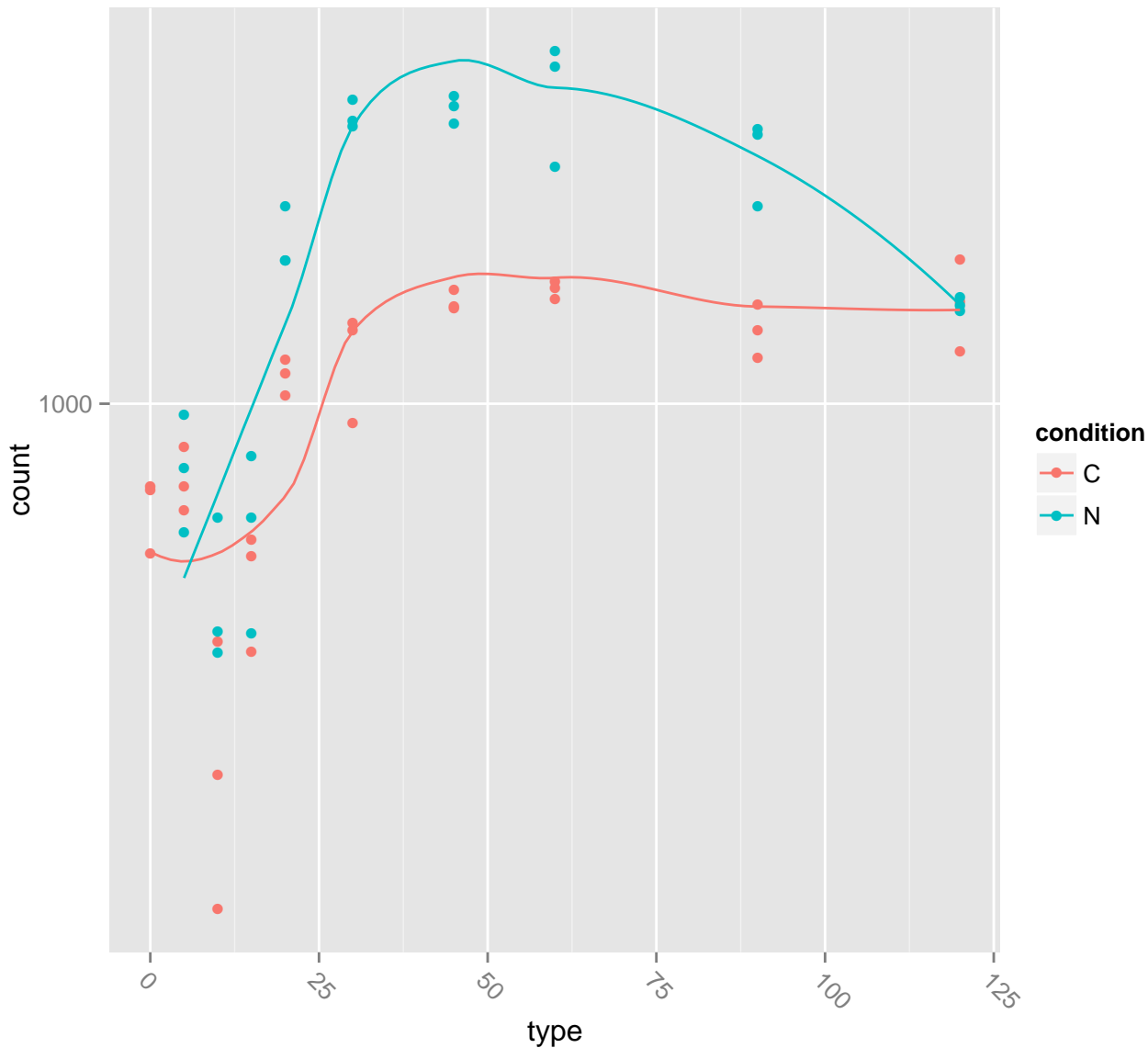
# AT5G07890

*myosin heavy chain-related*



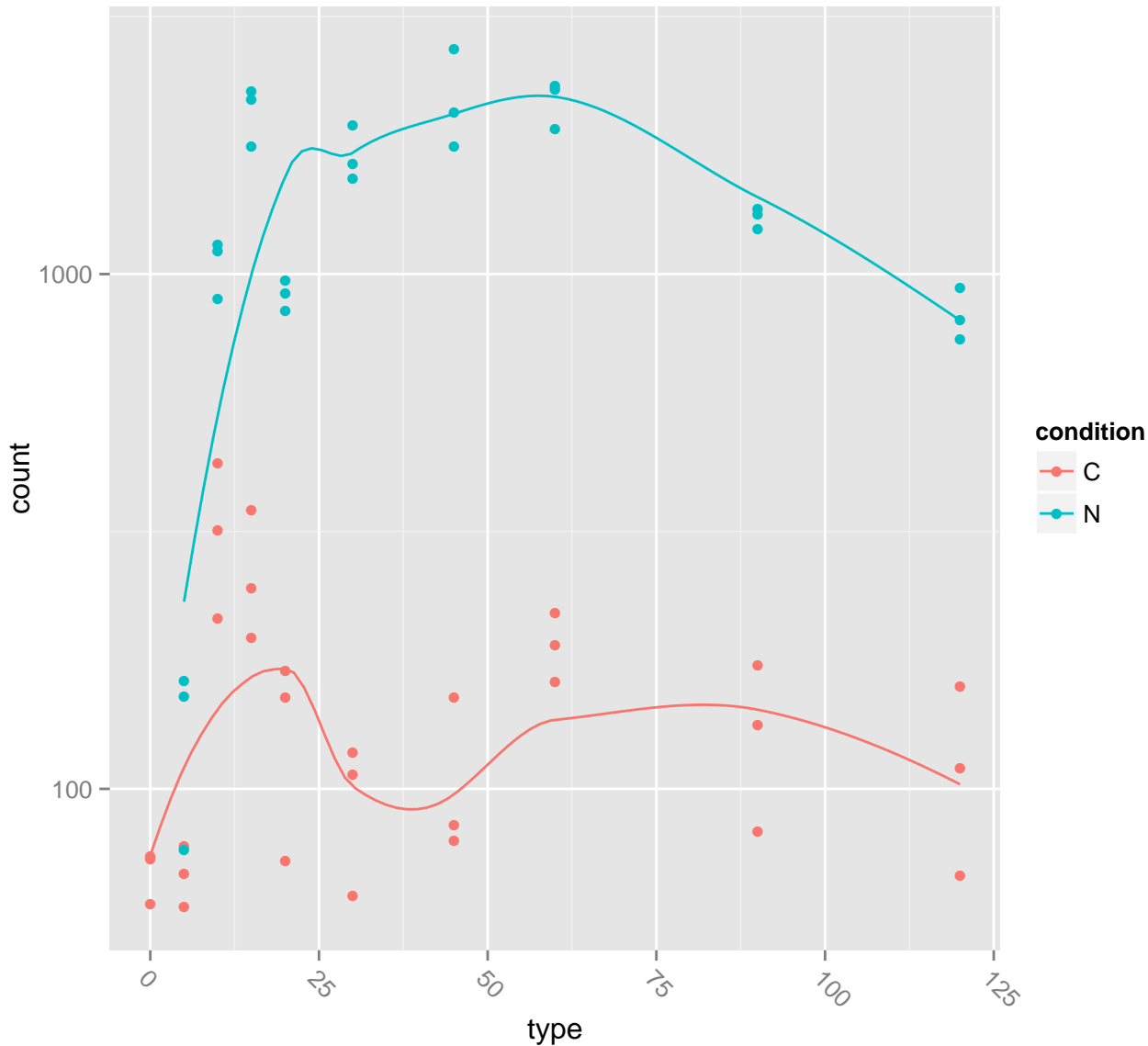
# AT5G10820

*Major facilitator superfamily protein*



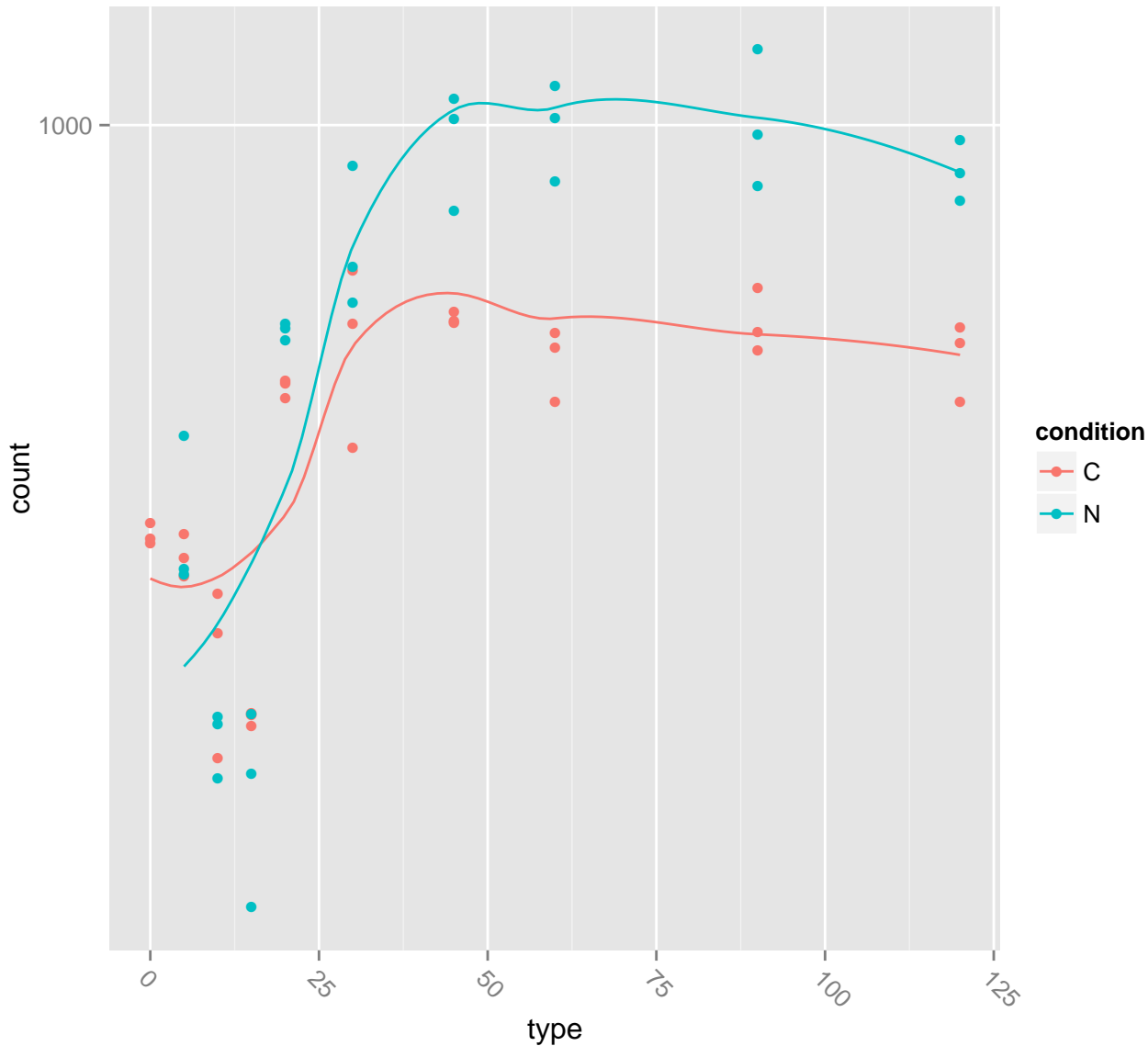
# AT5G01740

*Nuclear transport factor 2 (NTF2) family protein*



# AT5G63780

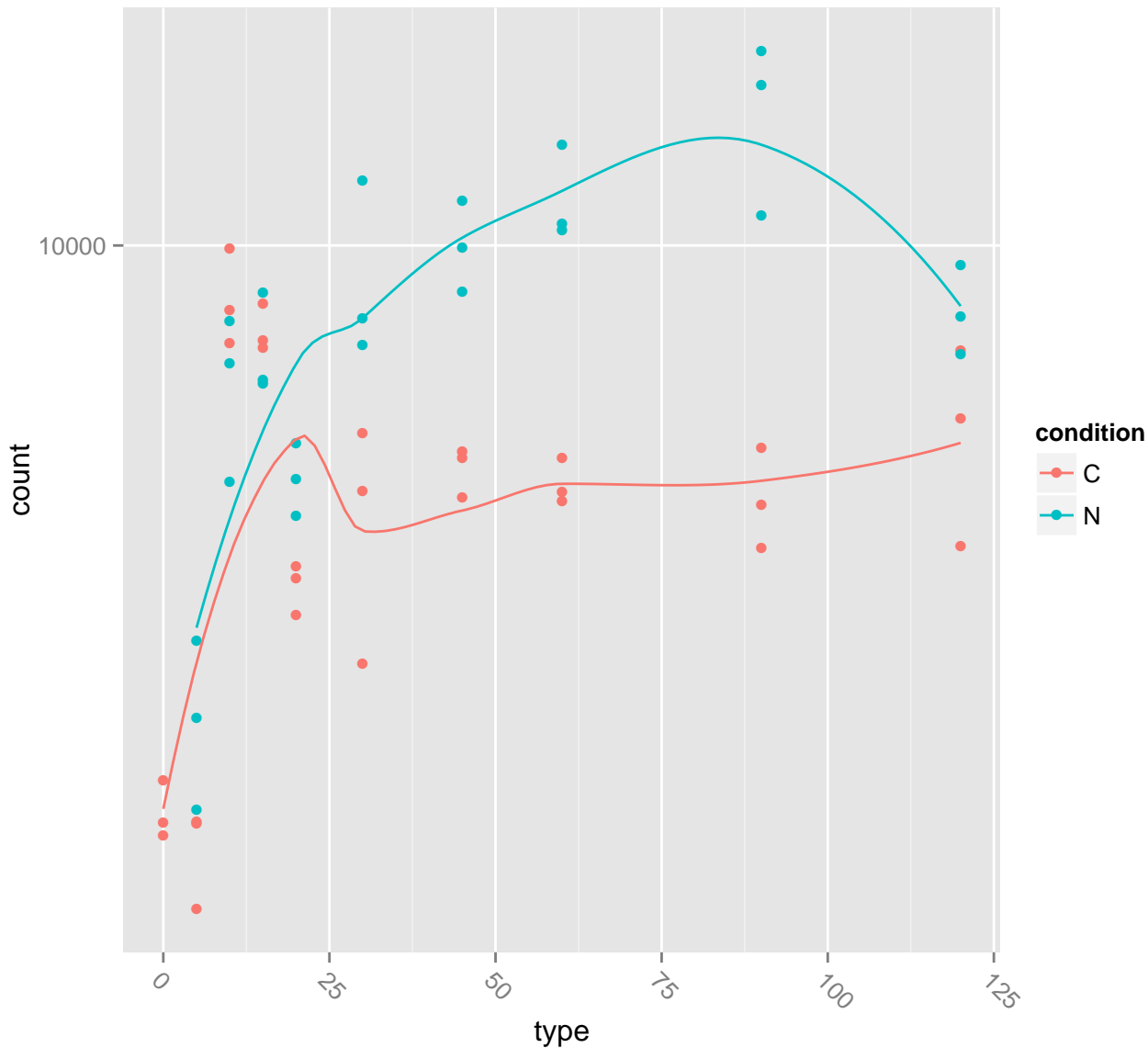
*"SHA1, RING/FYVE/PHD zinc finger superfamily protein"*





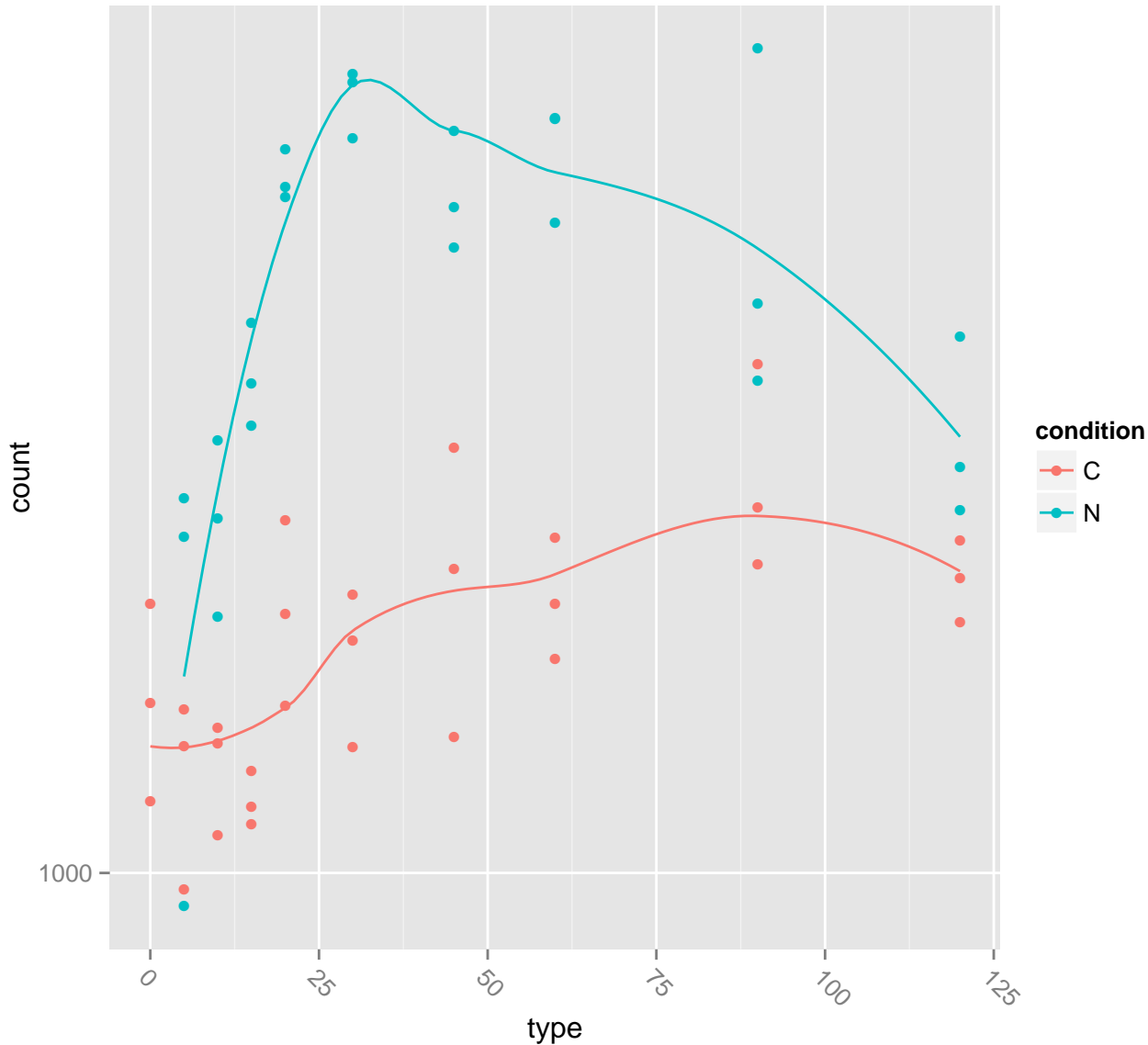
# AT4G35260

*"IDH-I, IDH1, isocitrate dehydrogenase 1"*



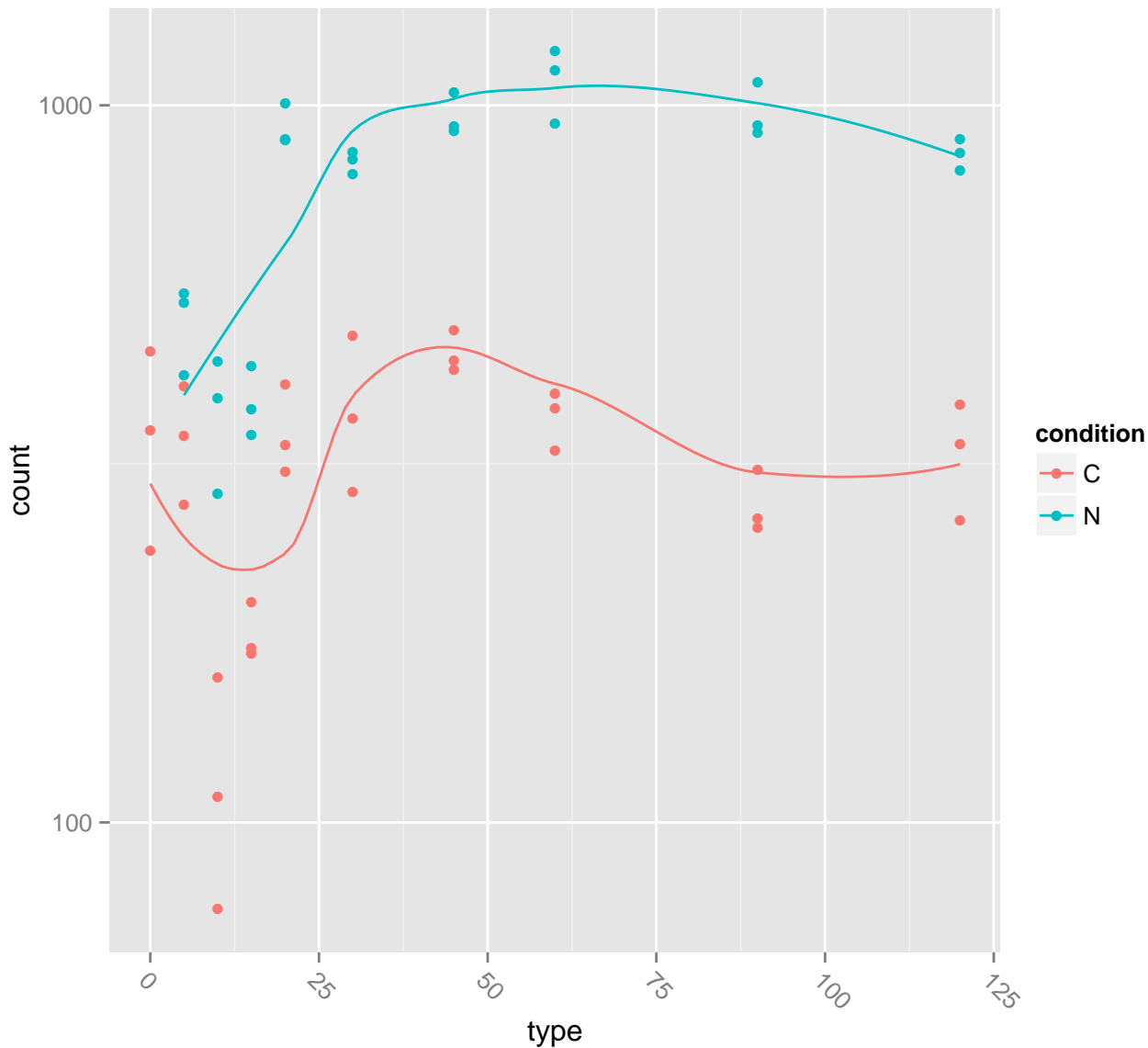
# AT5G65140

*Haloacid dehalogenase-like hydrolase (HAD) superfamily protein*



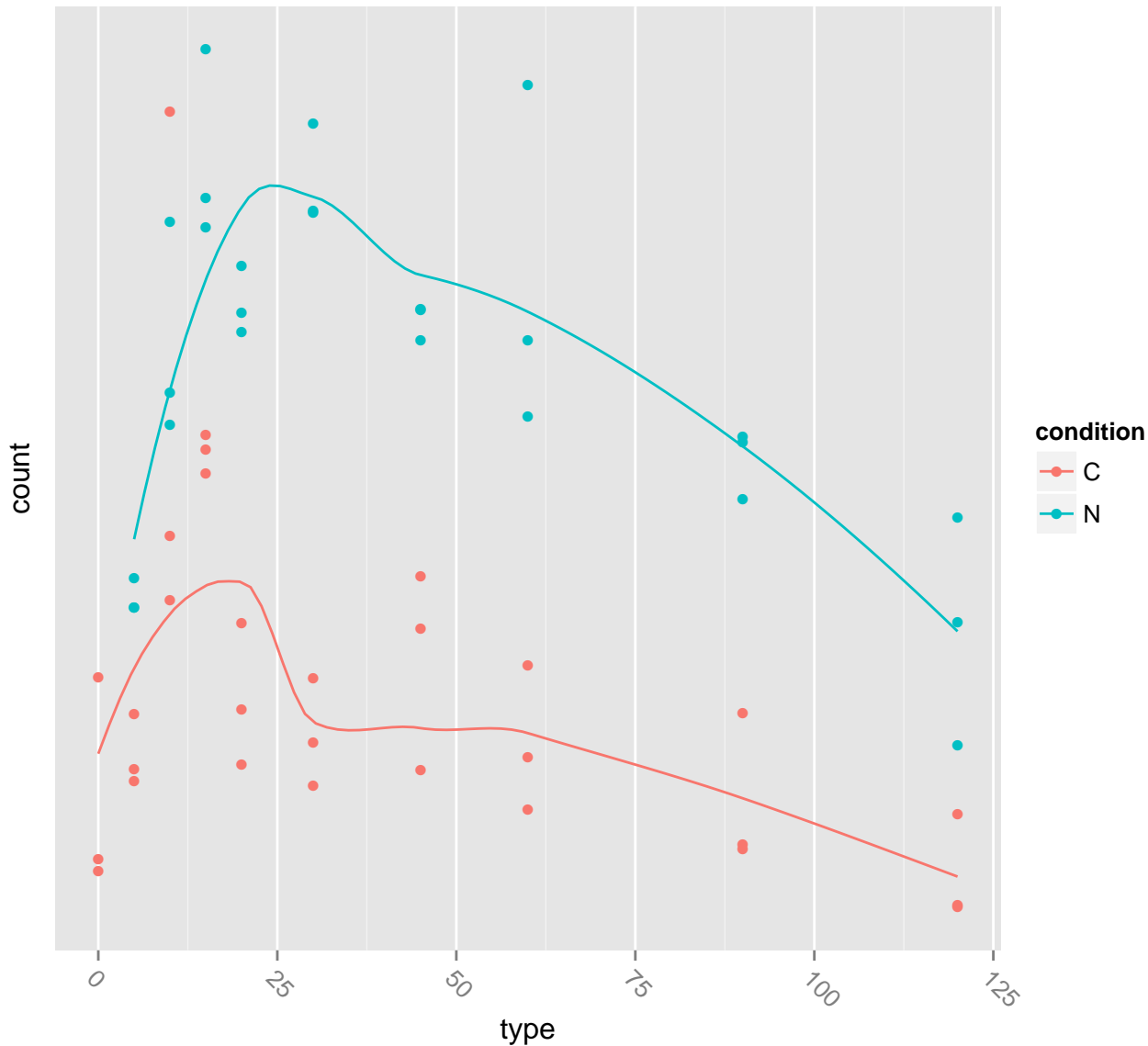
# AT5G59930

*Cysteine/Histidine-rich C1 domain family protein*



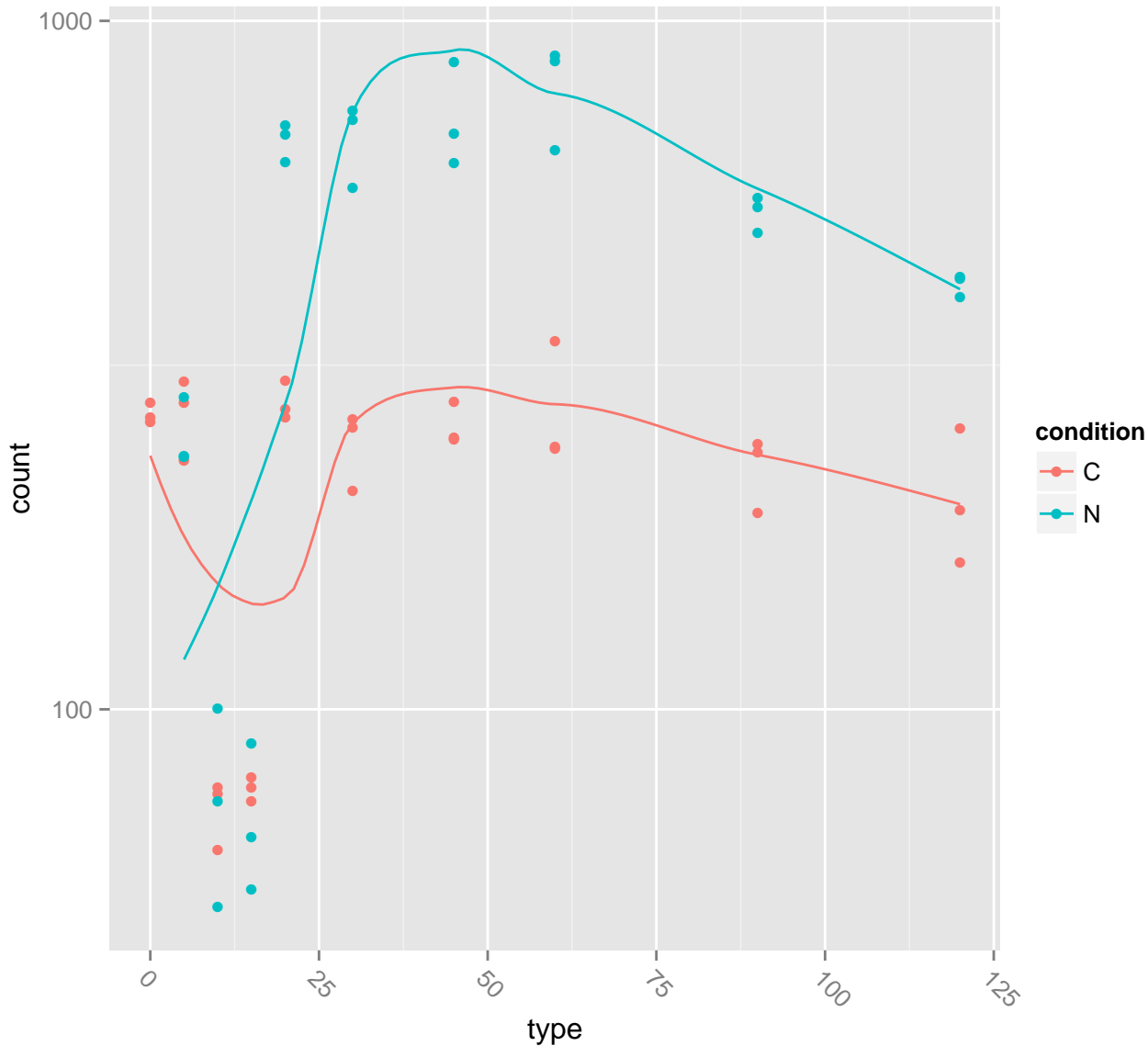
# AT4G22820

*A20/AN1-like zinc finger family protein*



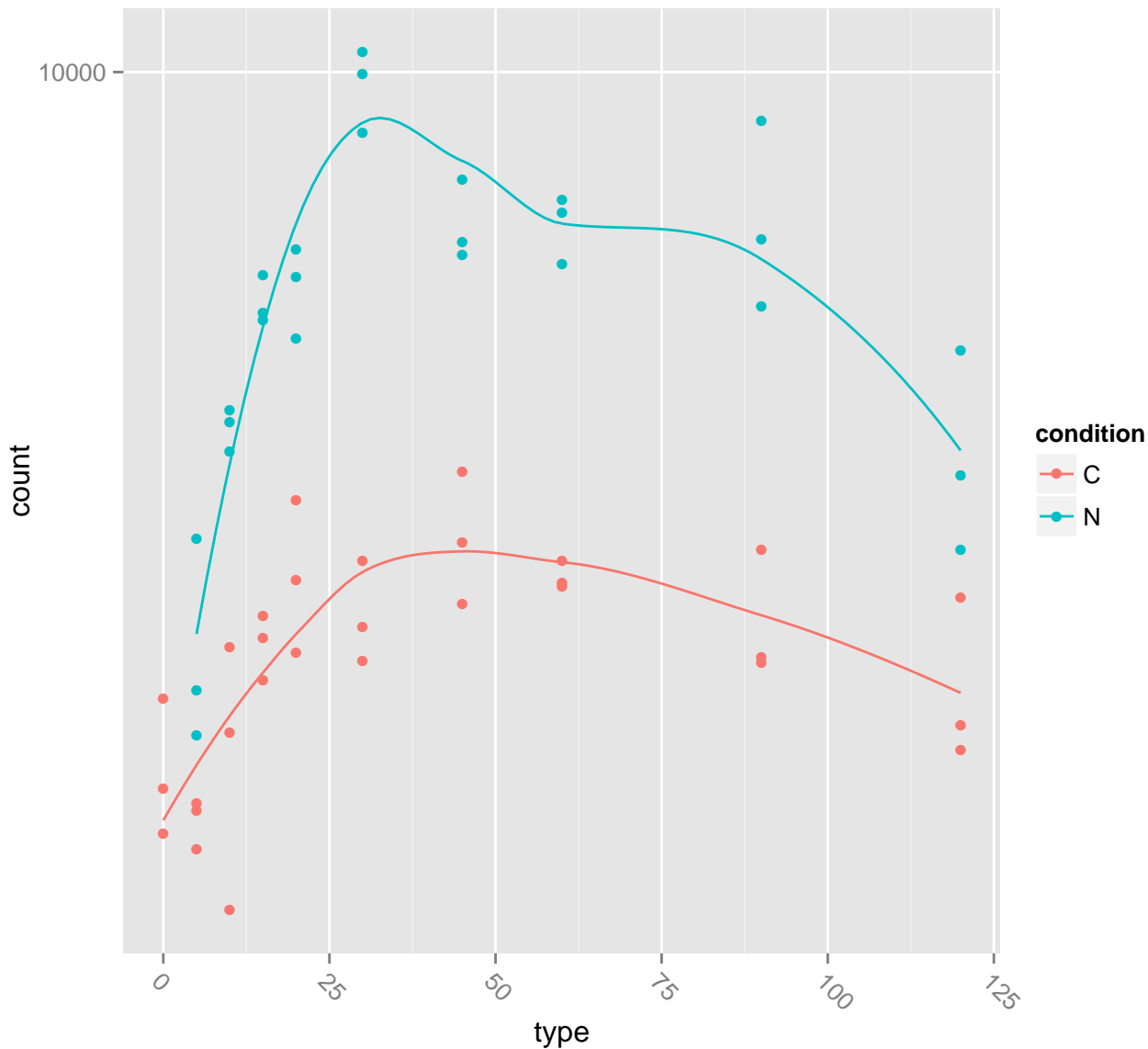
# AT2G45150

*"CDS4, cytidinediphosphate diacylglycerol synthase 4"*



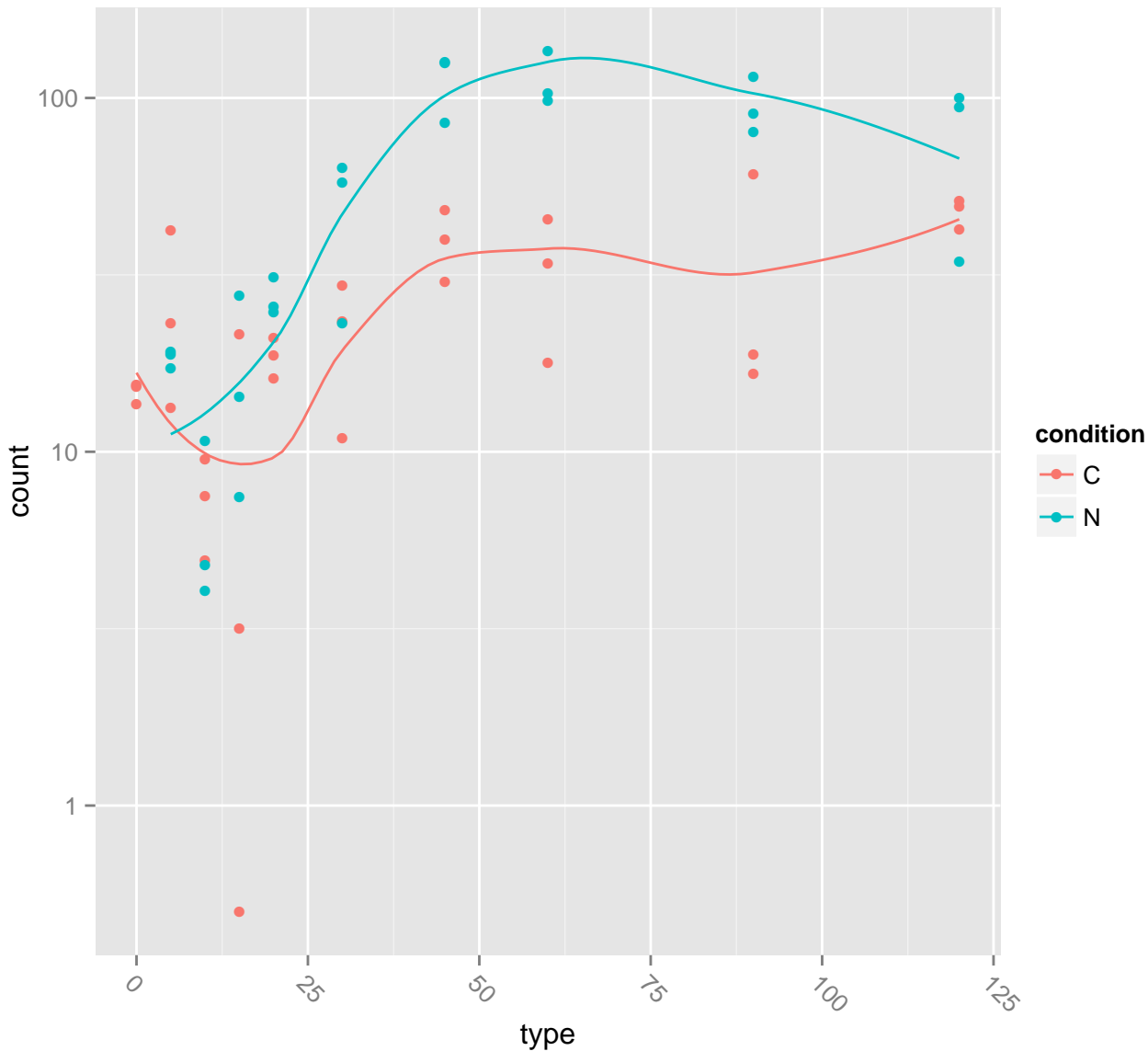
# AT1G21000

*PLATZ transcription factor family protein*



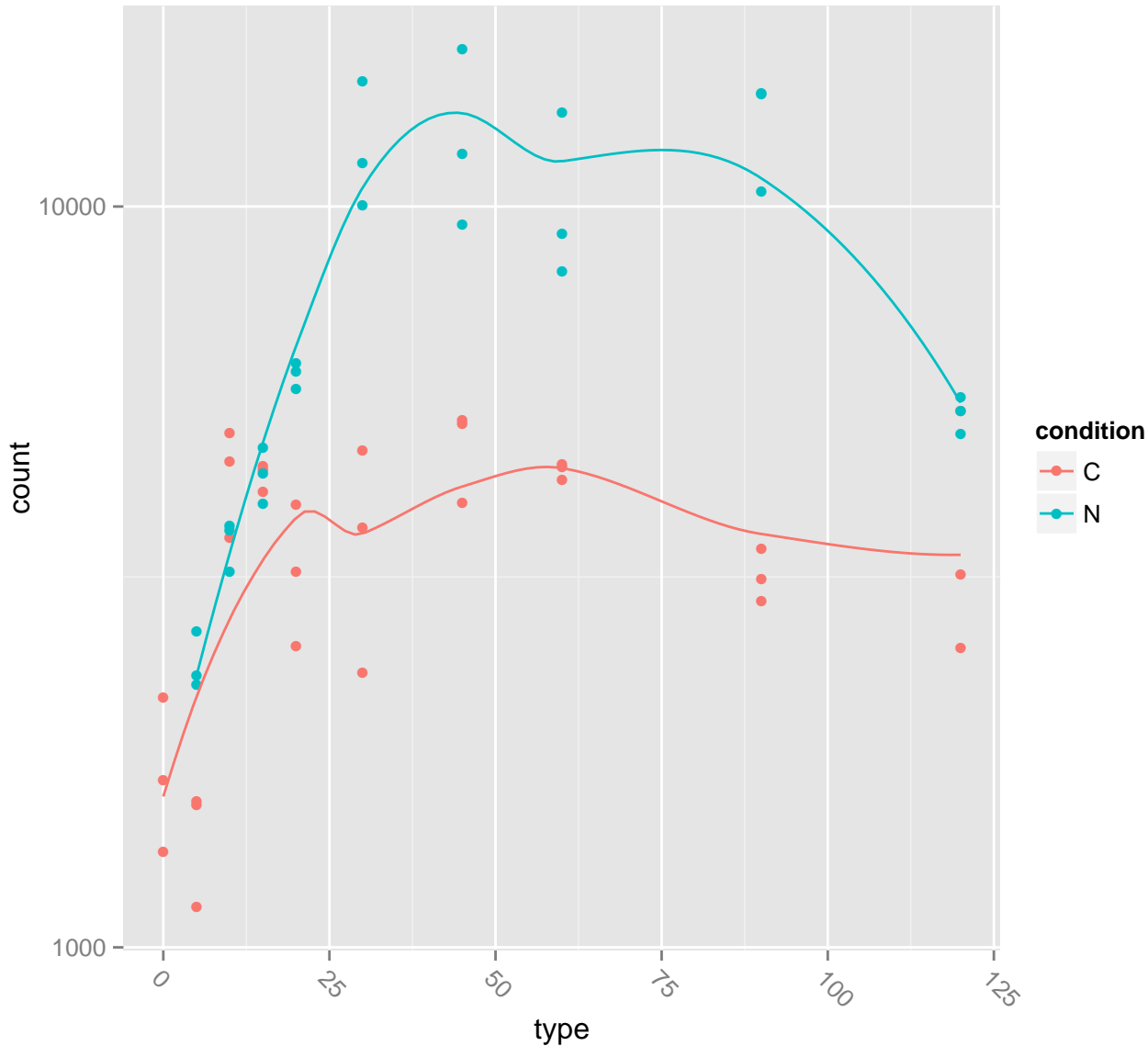
# AT3G02850

*"SKOR, STELAR K+ outward rectifier"*



# AT1G12110

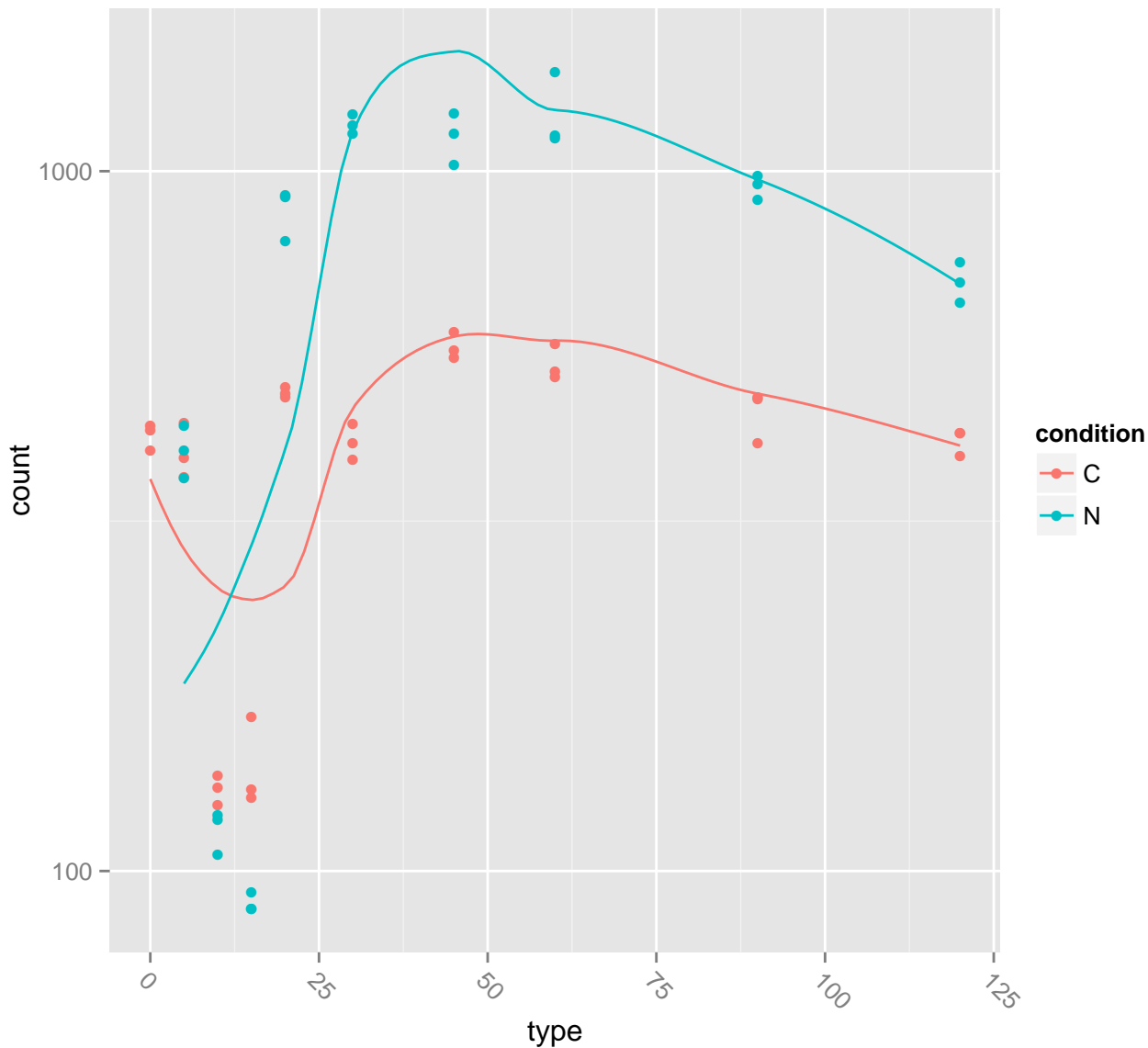
*"ATNRT1, B-1, CHL1, CHL1-1, NRT1, NRT1.1, nitrate transporter 1.1"*





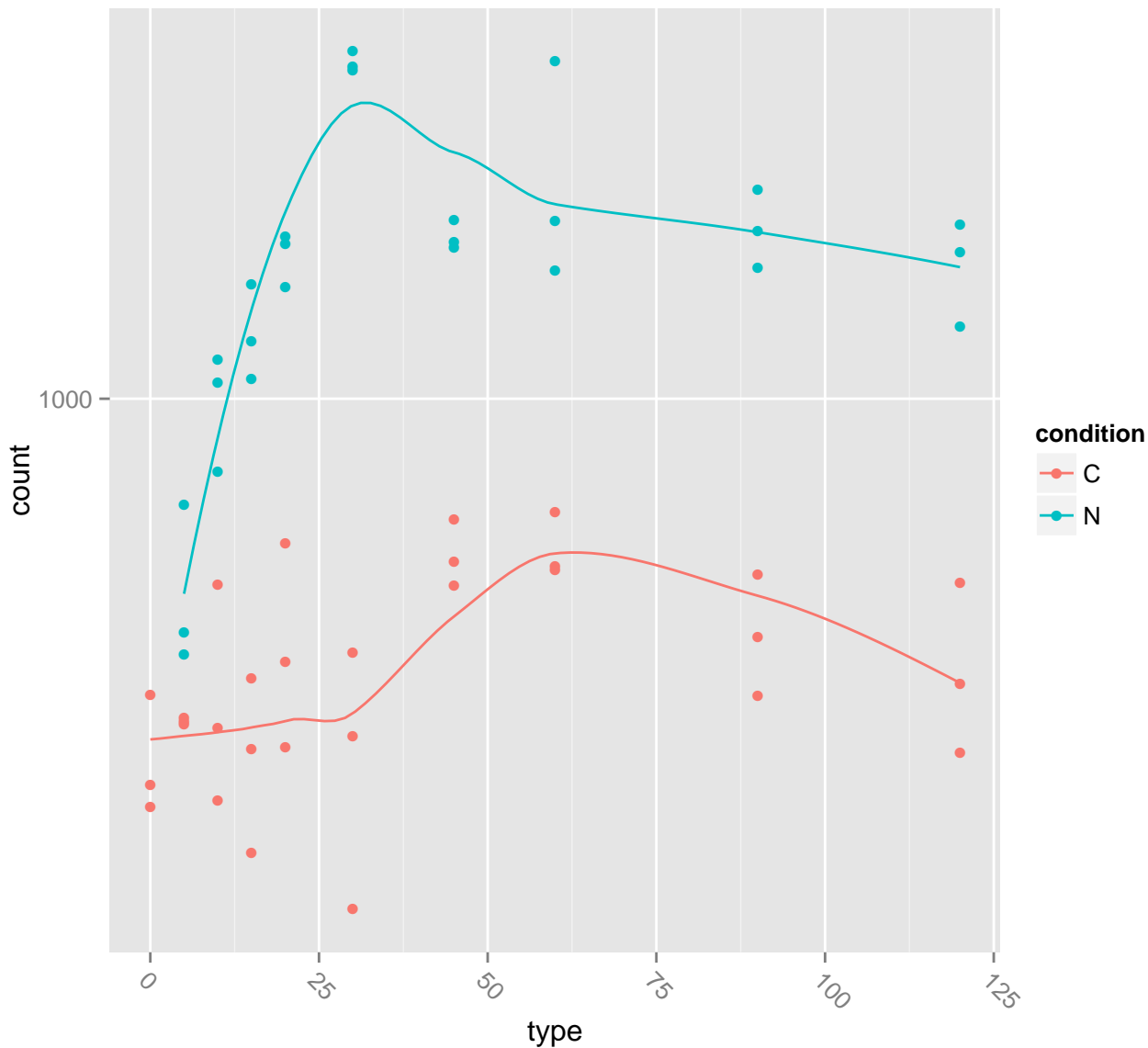
# AT1G08400

*RINT-1 / TIP-1 family*



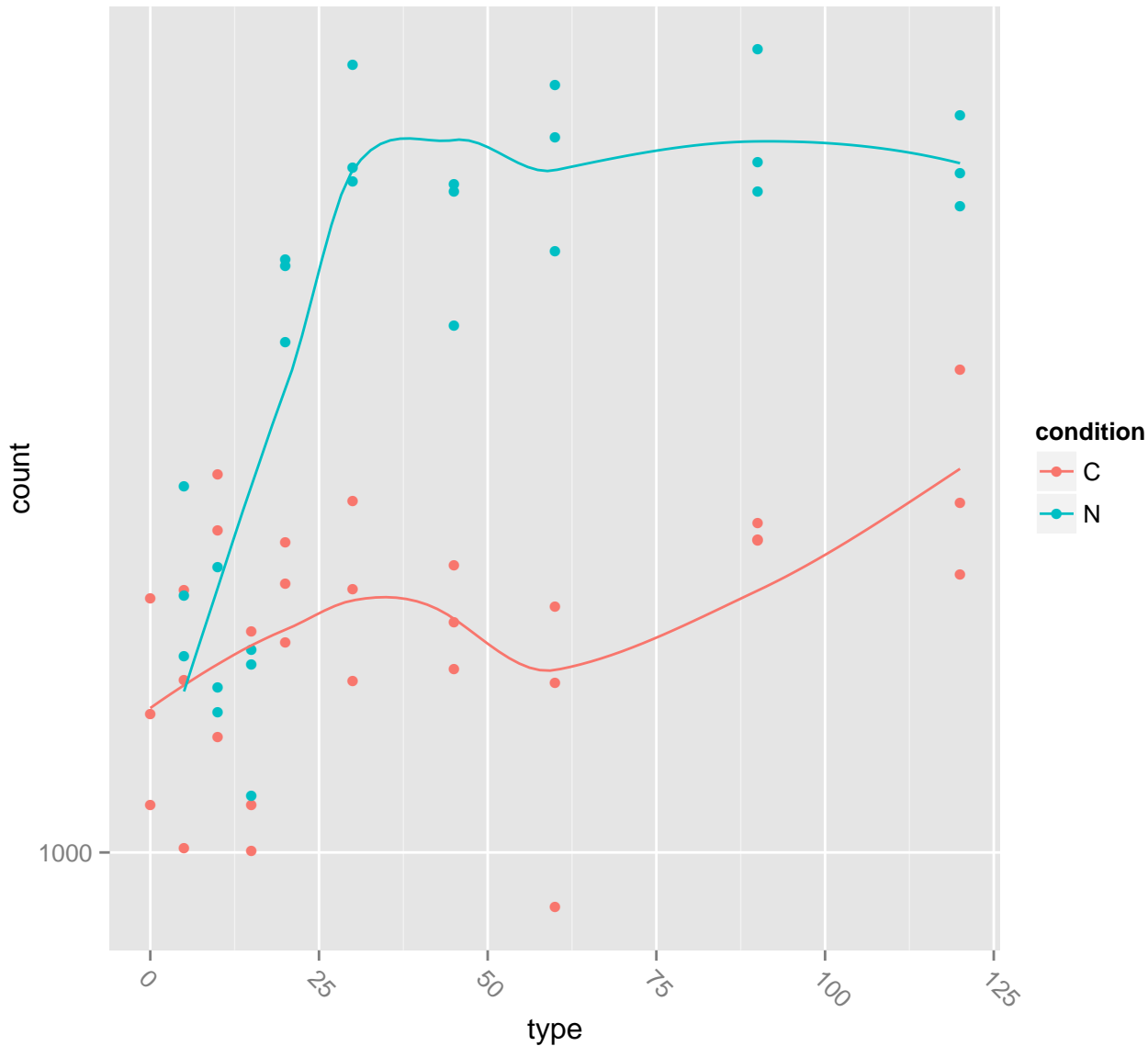
# AT4G39780

*Integrase-type DNA-binding superfamily protein*



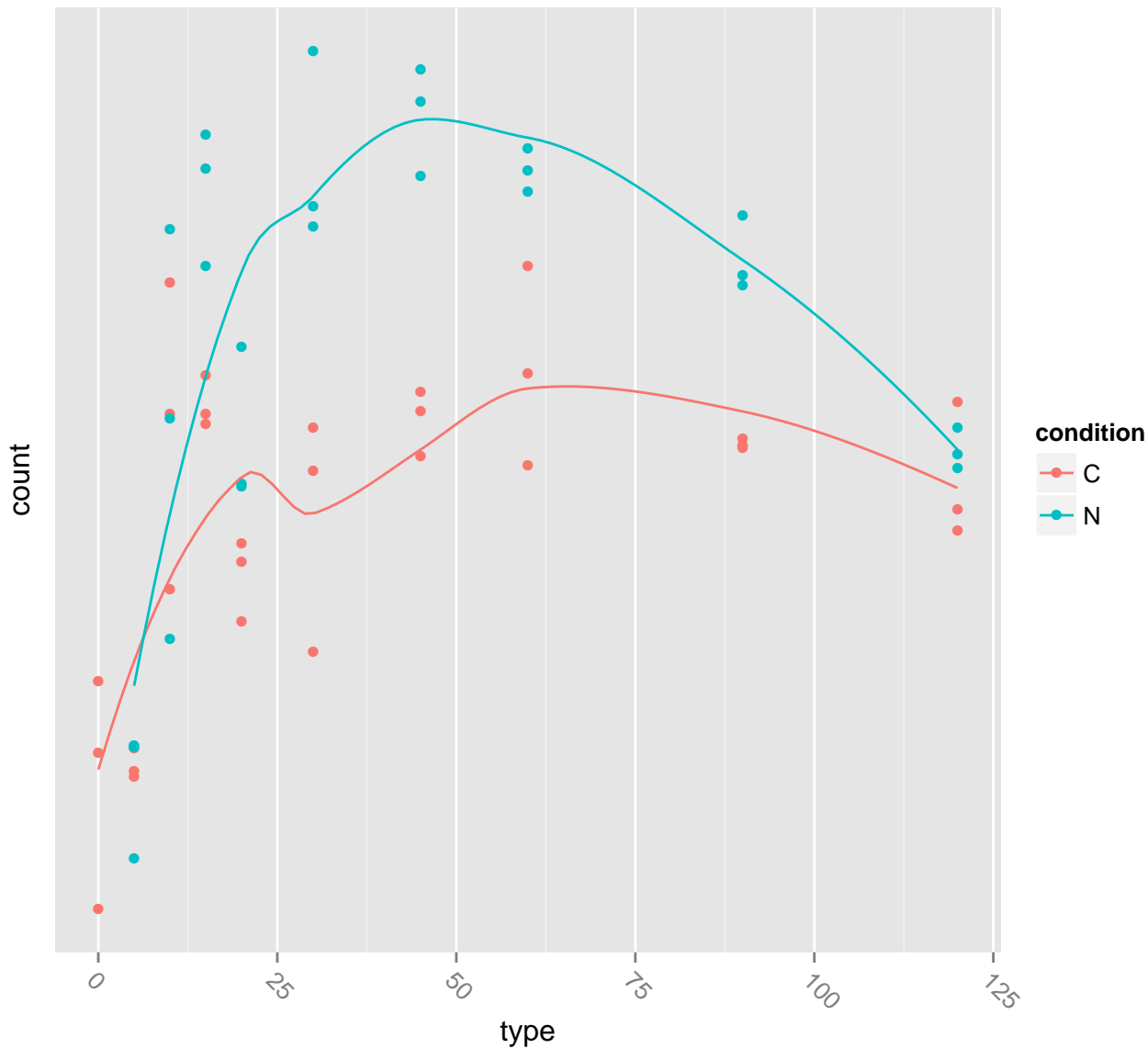
# AT3G61850

*"DAG1, Dof-type zinc finger DNA-binding family protein"*



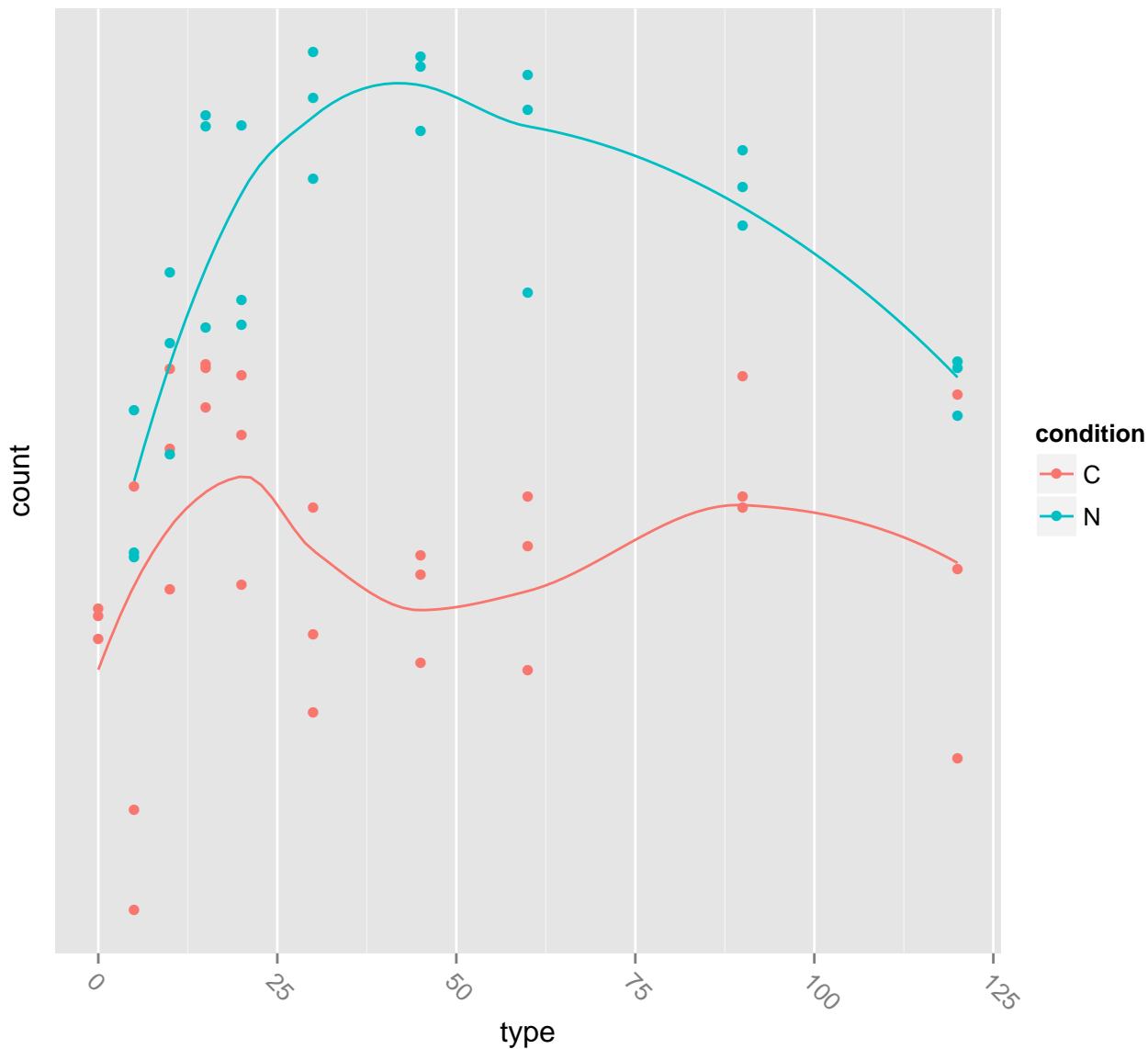
# AT5G19010

*"MPK16, mitogen-activated protein kinase 16"*



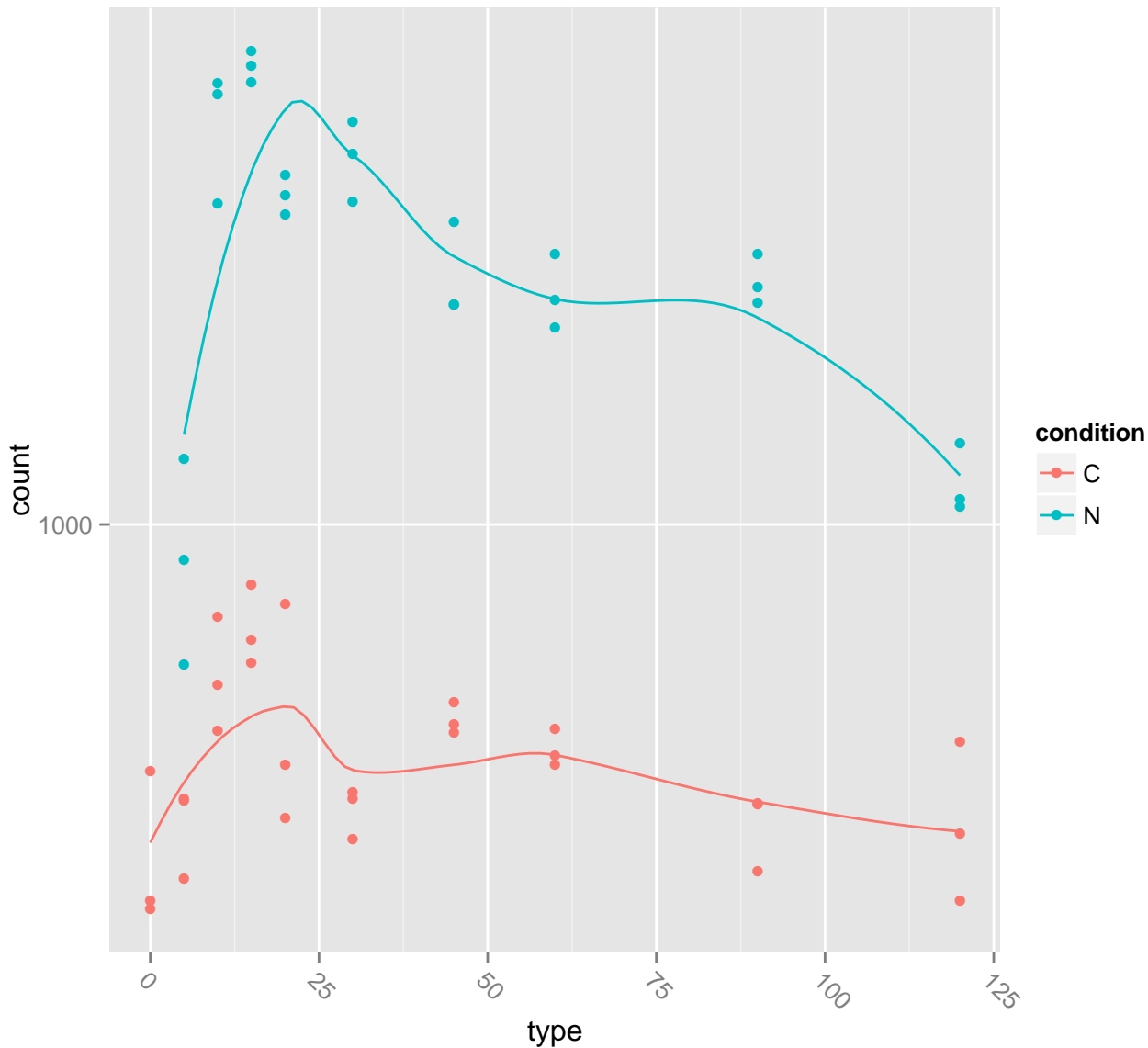
# AT2G40750

*"ATWRKY54, WRKY54, WRKY DNA-binding protein 54"*



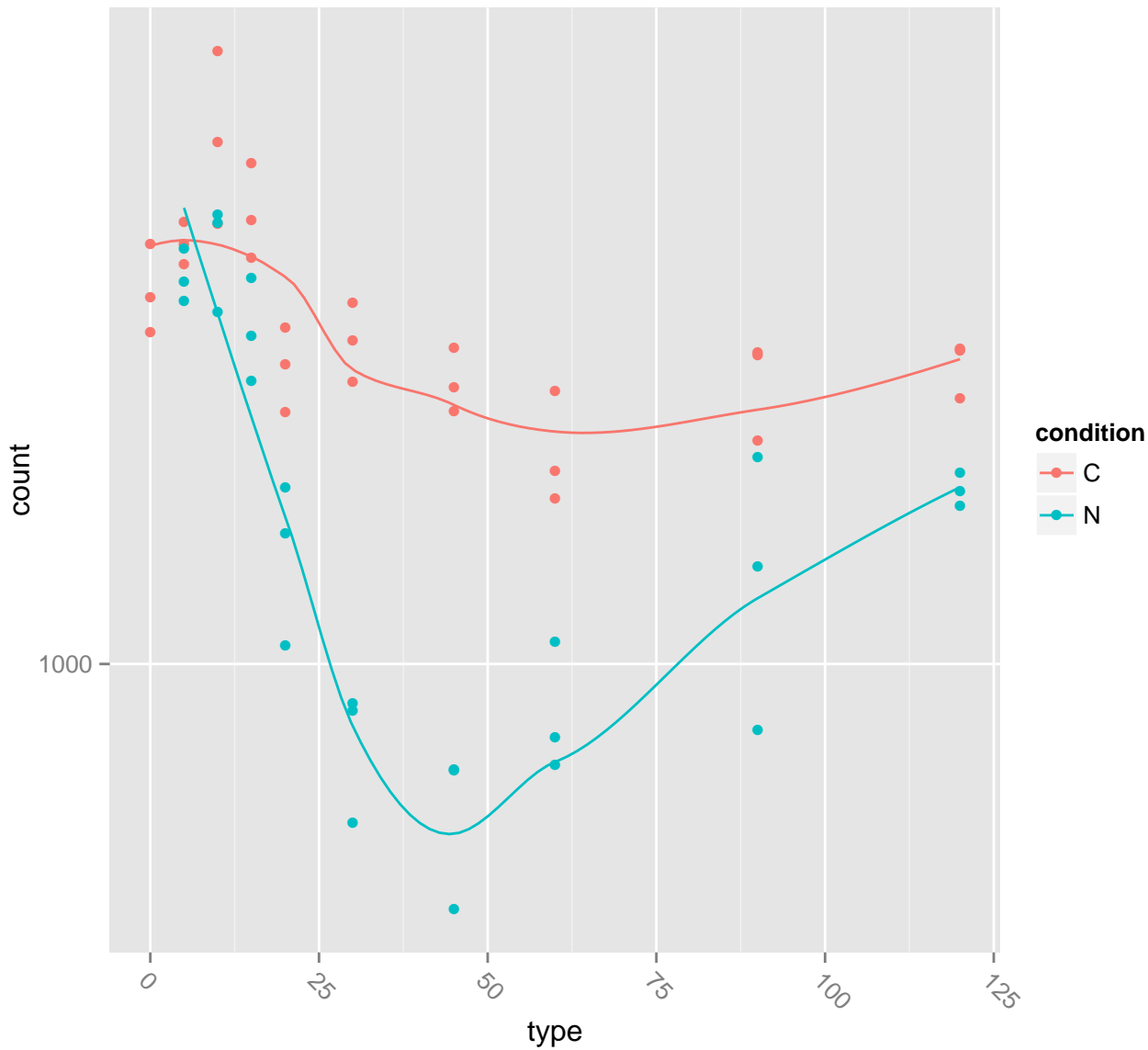
# AT2G30040

*"MAPKKK14, mitogen-activated protein kinase kinase kinase 14"*



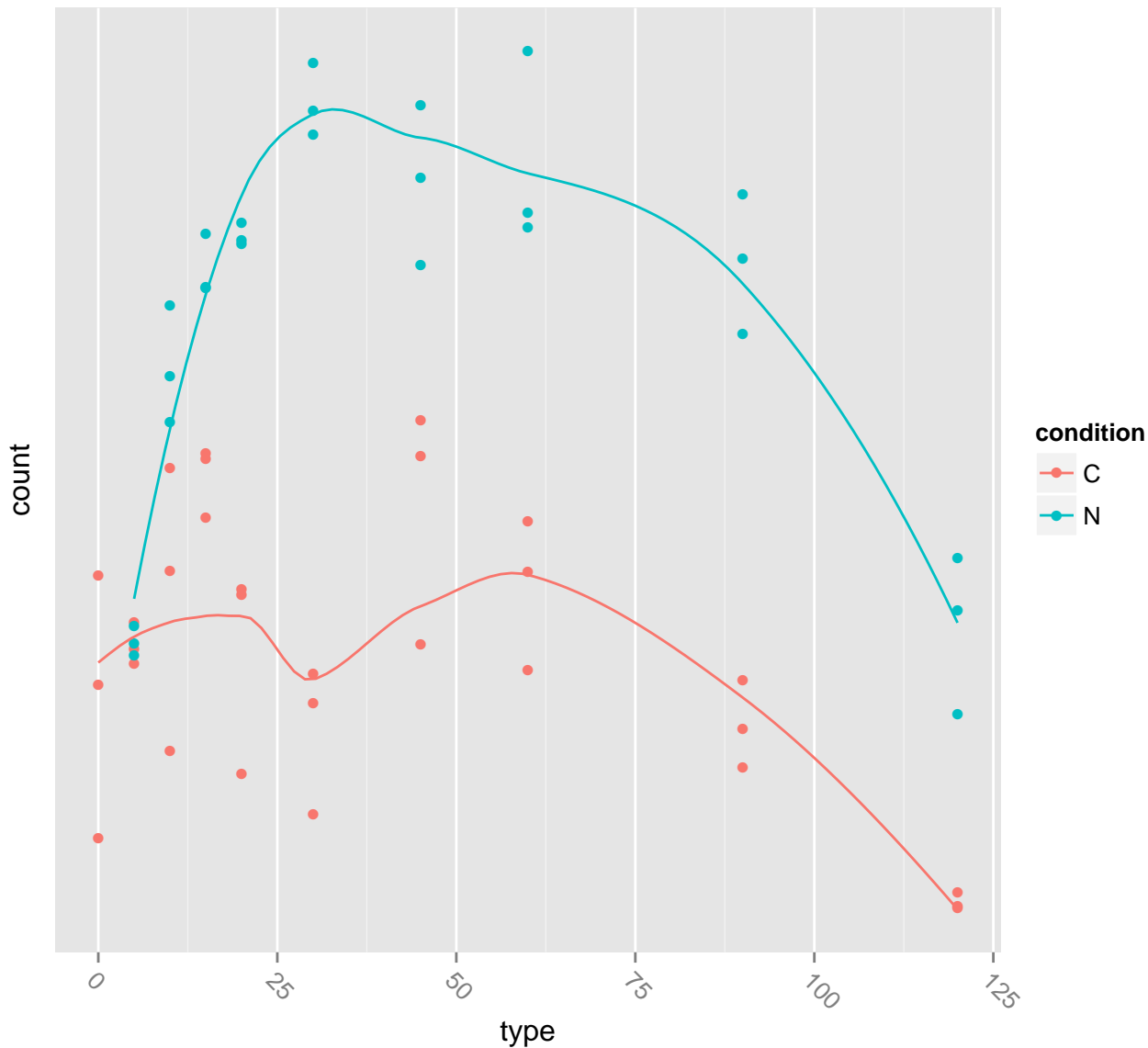
# AT5G65790

*"ATMYB68, MYB68, myb domain protein 68"*



# AT3G28690

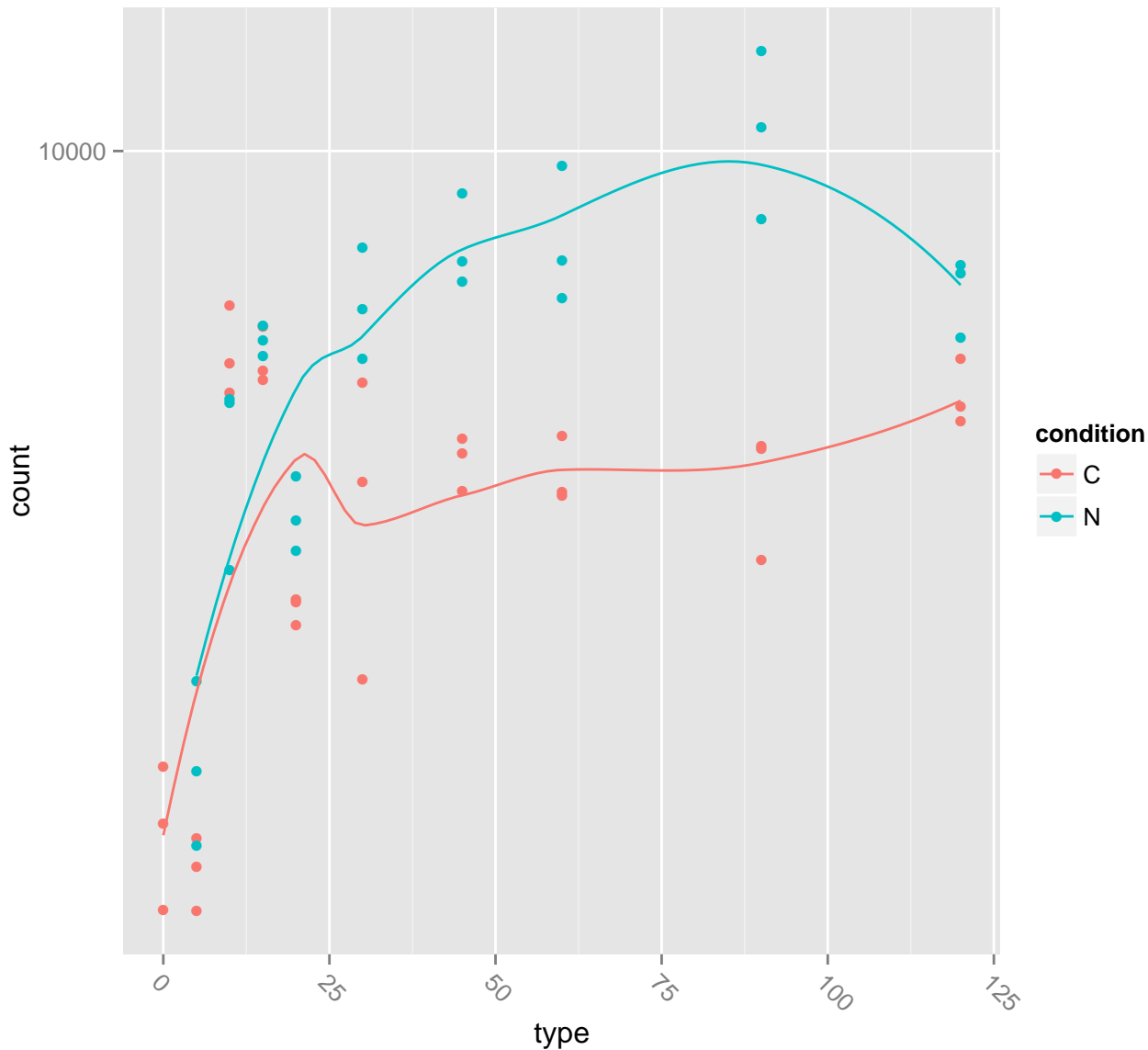
*Protein kinase superfamily protein*





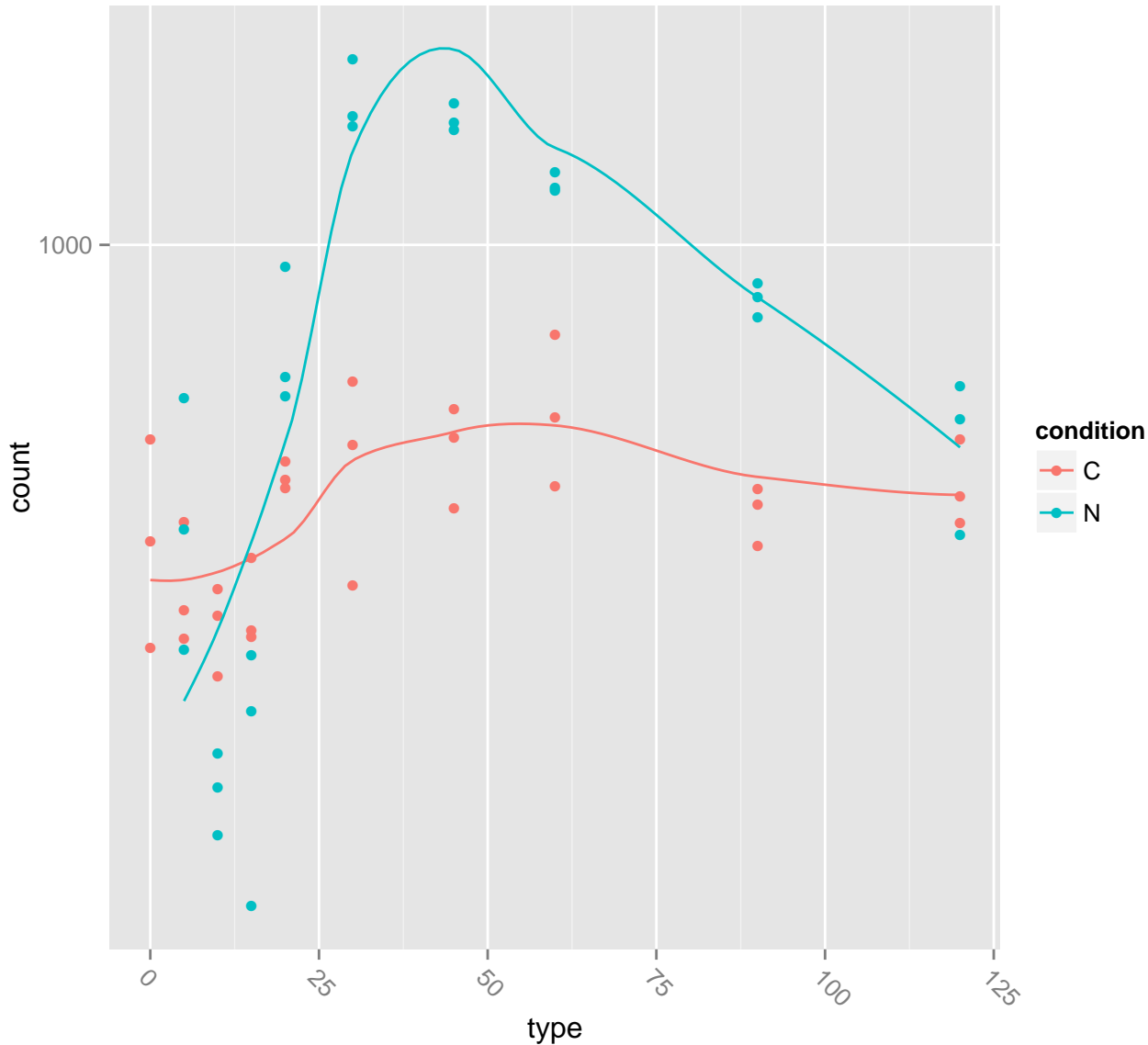
# AT1G74030

*"ENO1, enolase 1"*



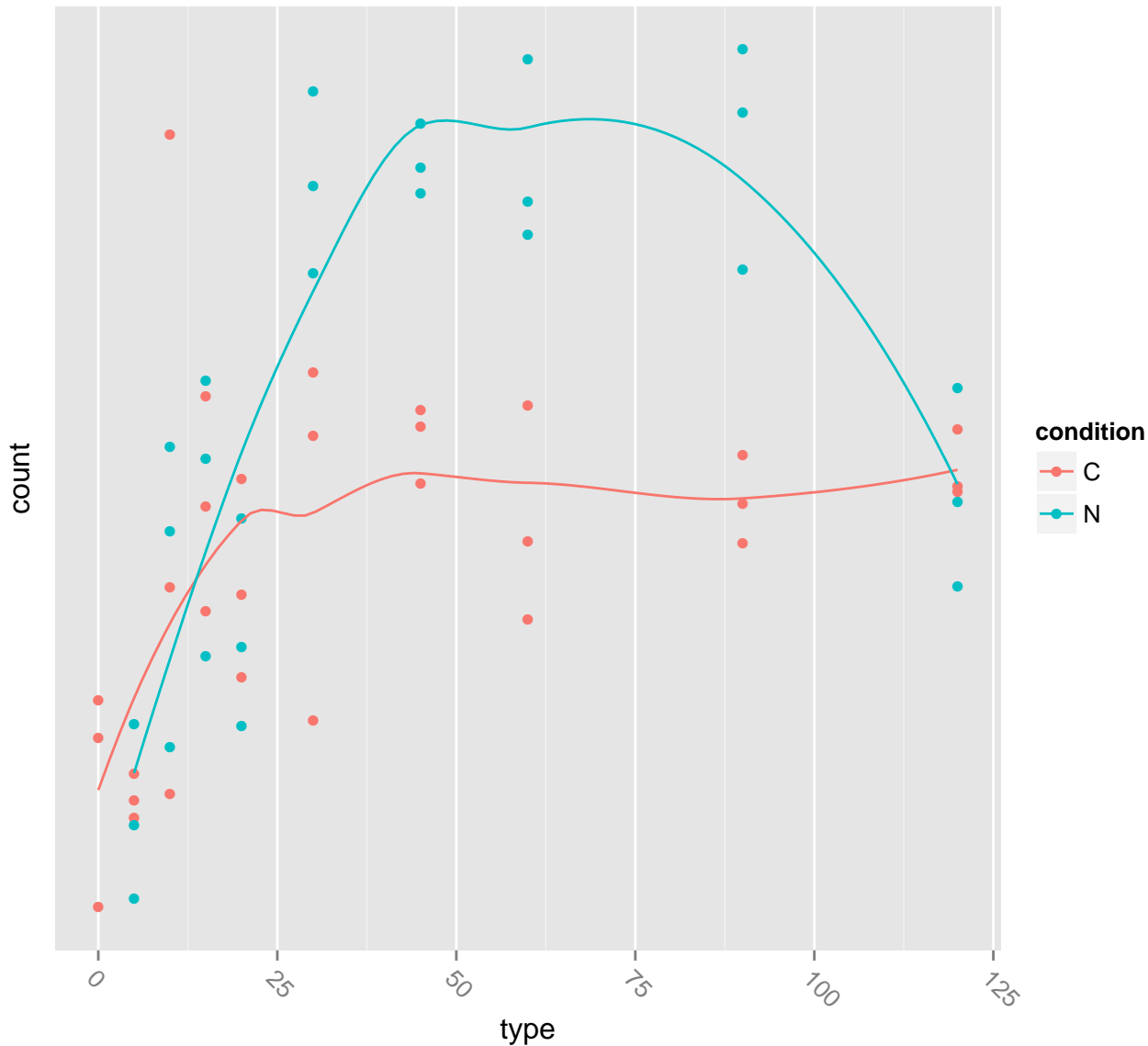
# AT3G07340

*basic helix-loop-helix (bHLH) DNA-binding superfamily protein*



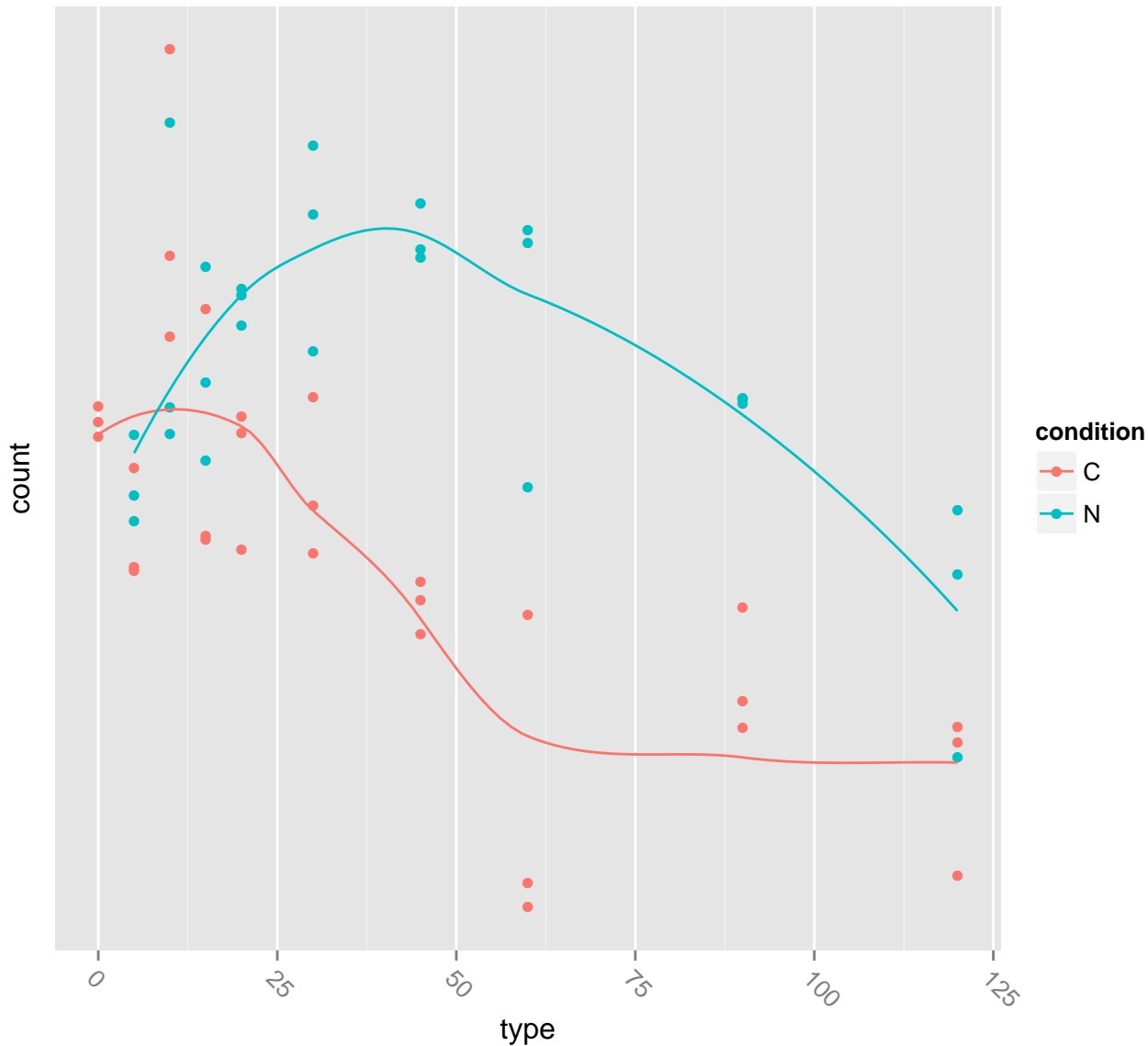
# AT3G49390

*"CID10, CTC-interacting domain 10"*



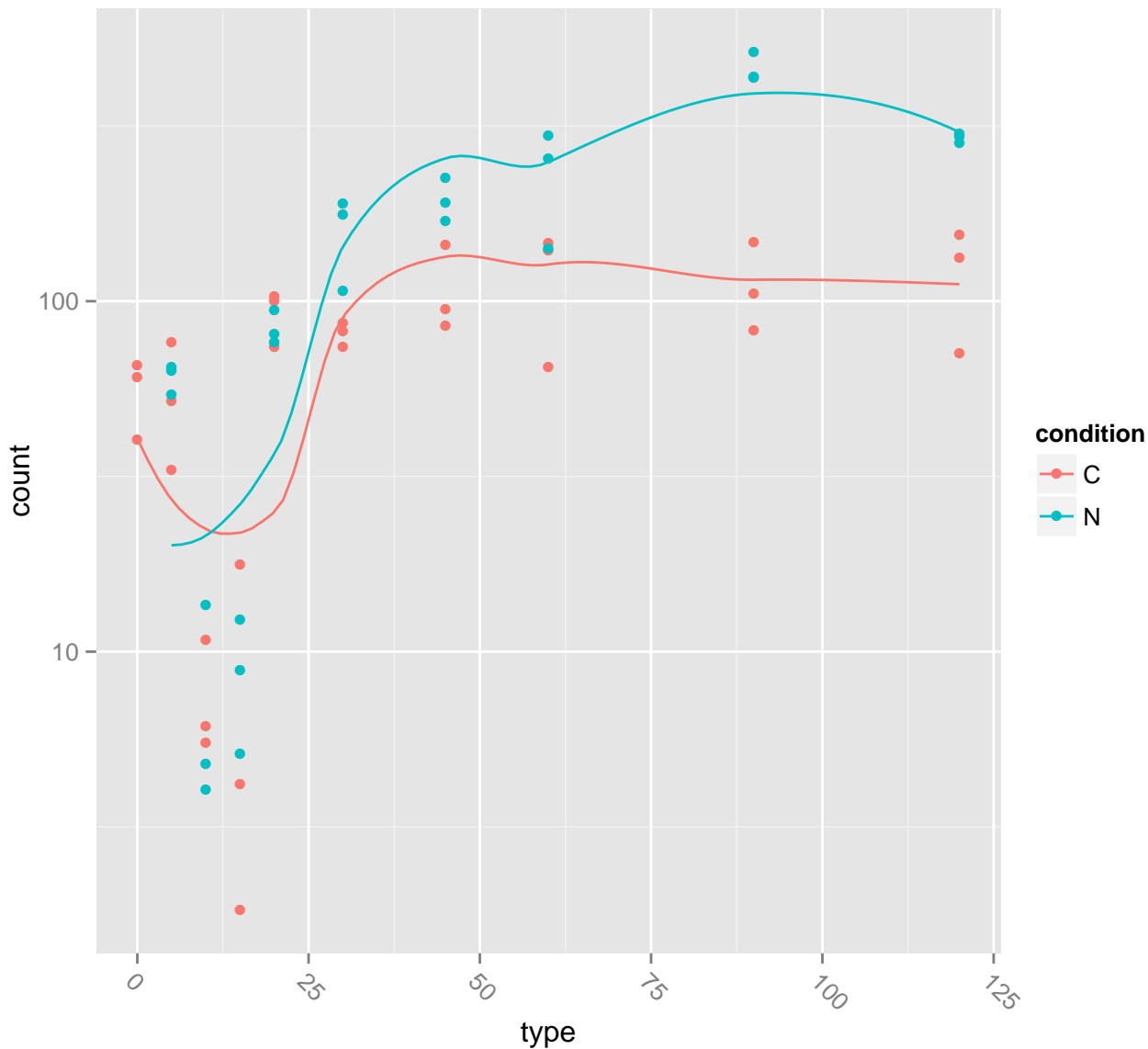
# AT3G54080

*Concanavalin A-like lectin family protein*



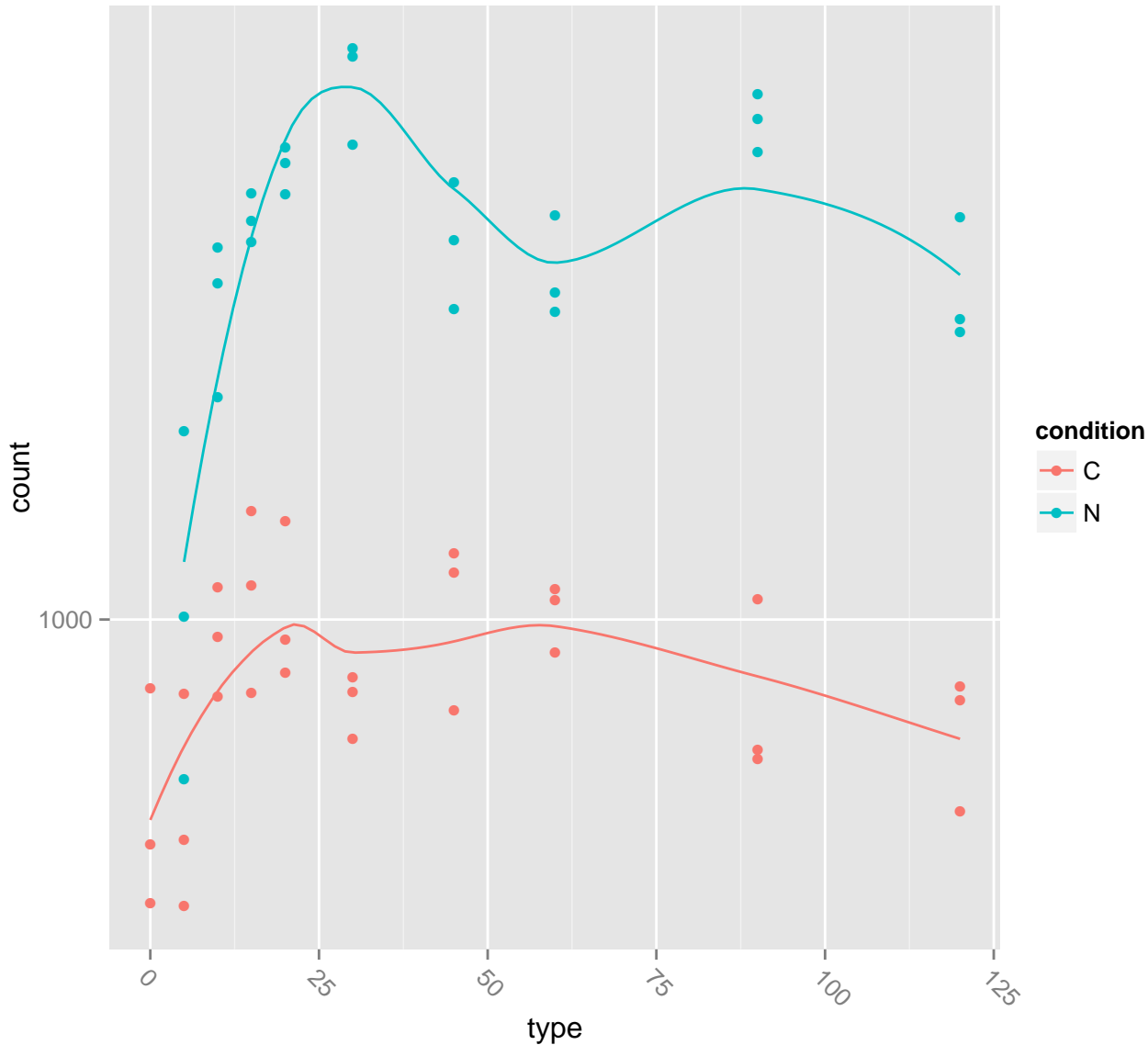
# AT5G22560

*Plant protein of unknown function (DUF247)*



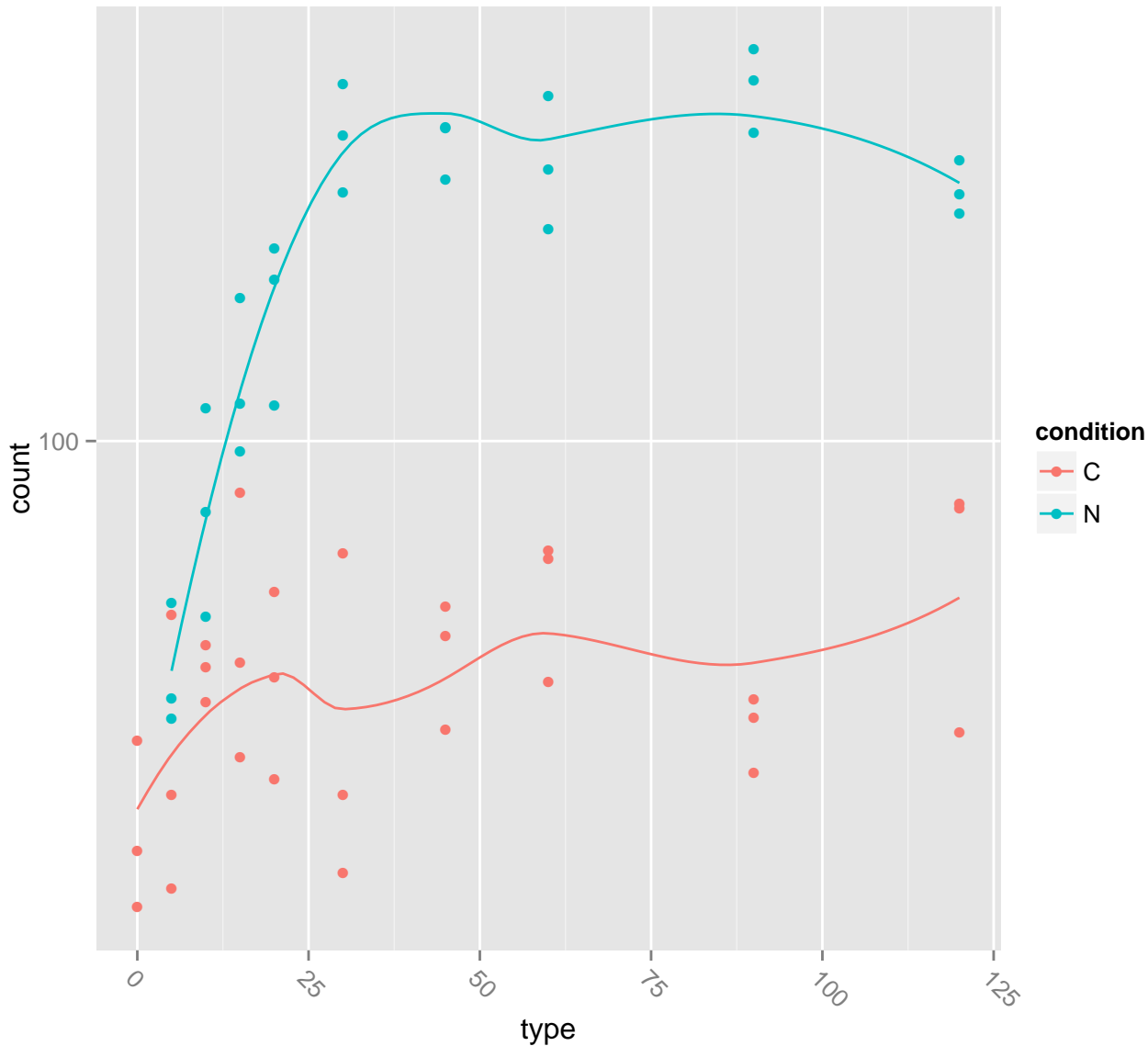
# AT2G27830

758.1); Has 131 Blast hits to 131 proteins in 17 species: Archae – 0; Bacteria – 0; Metaz



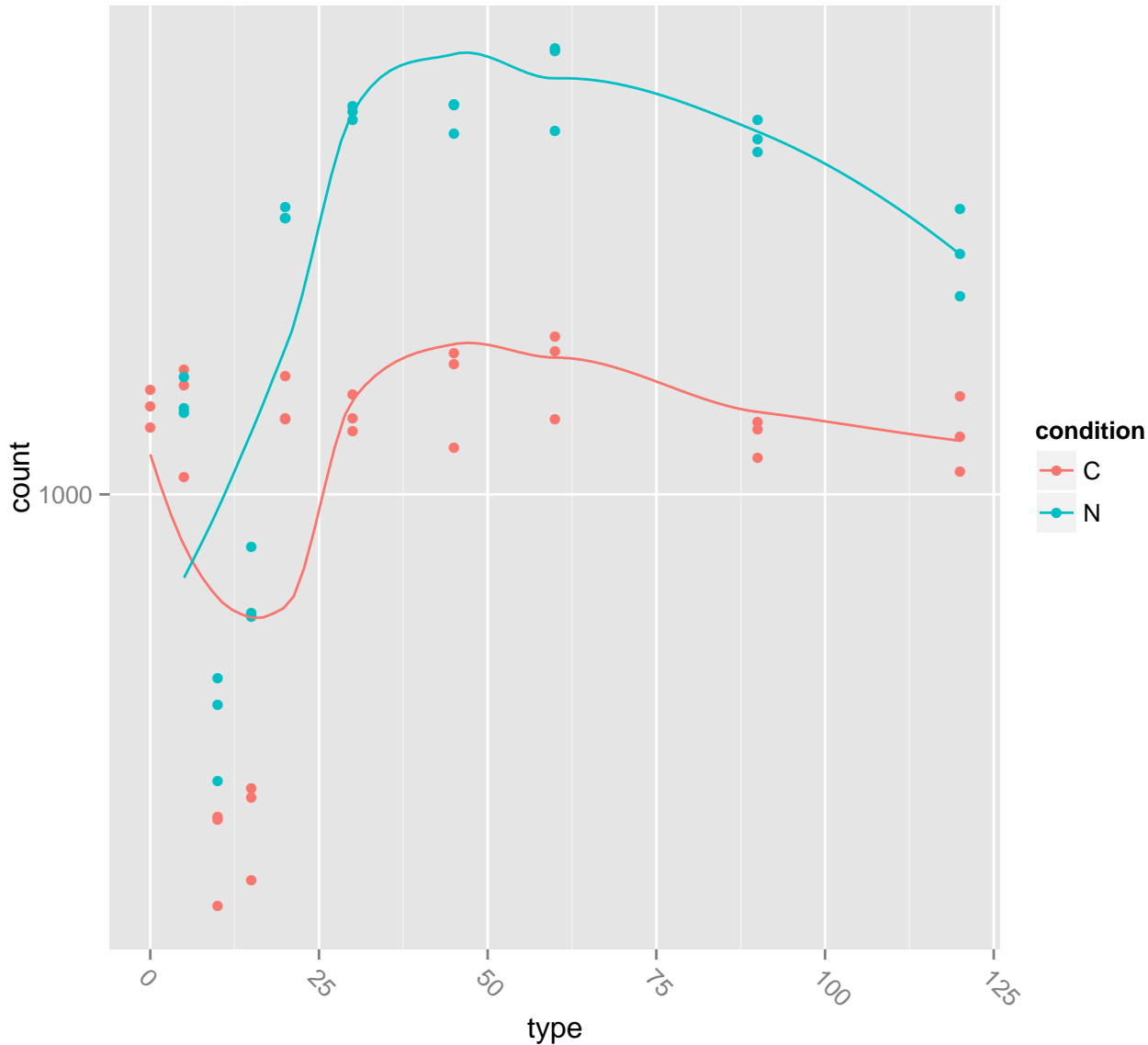
# AT2G34000

*RING/U-box superfamily protein*



# AT2G31955

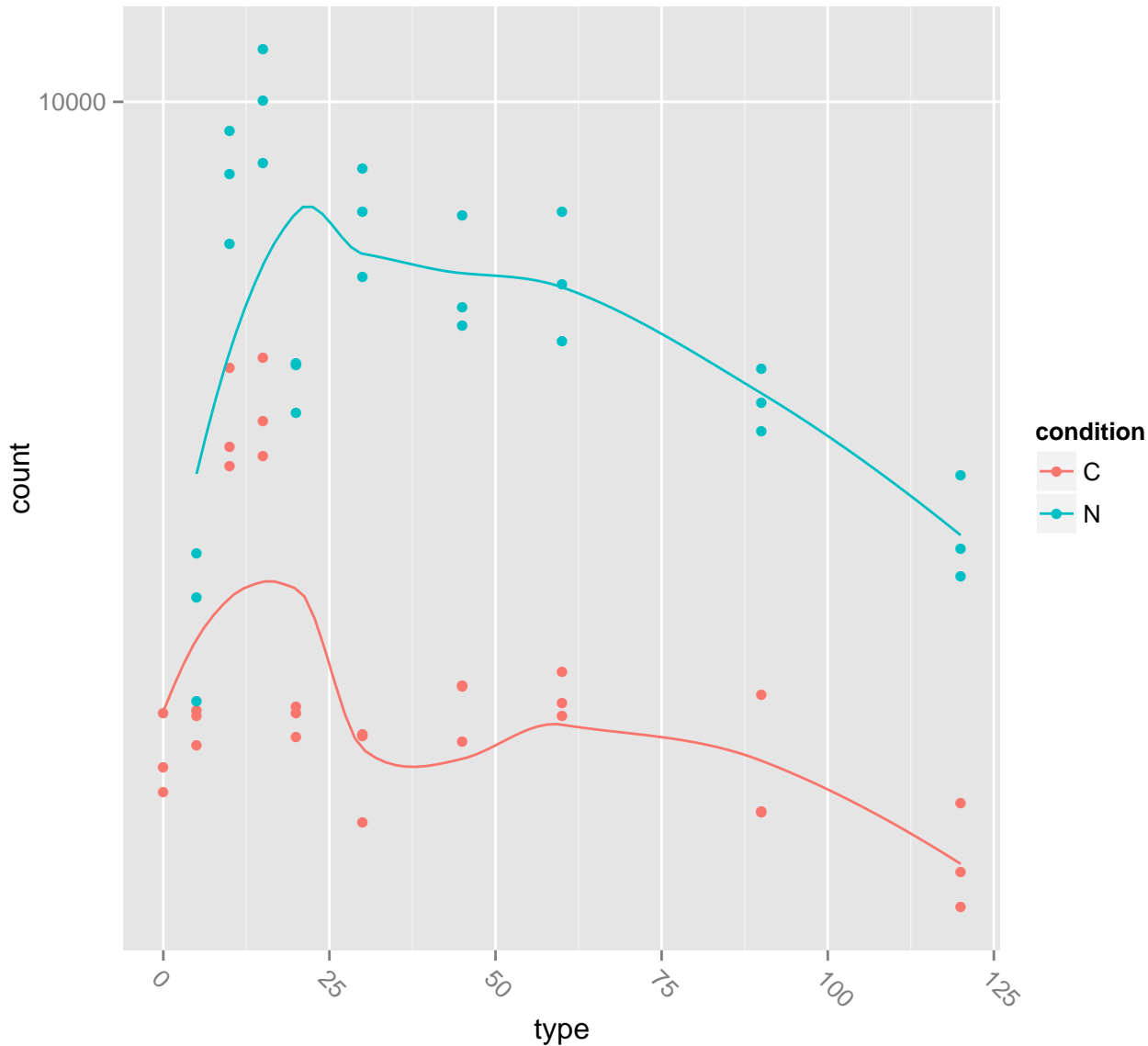
*"CNX2, cofactor of nitrate reductase and xanthine dehydrogenase 2"*





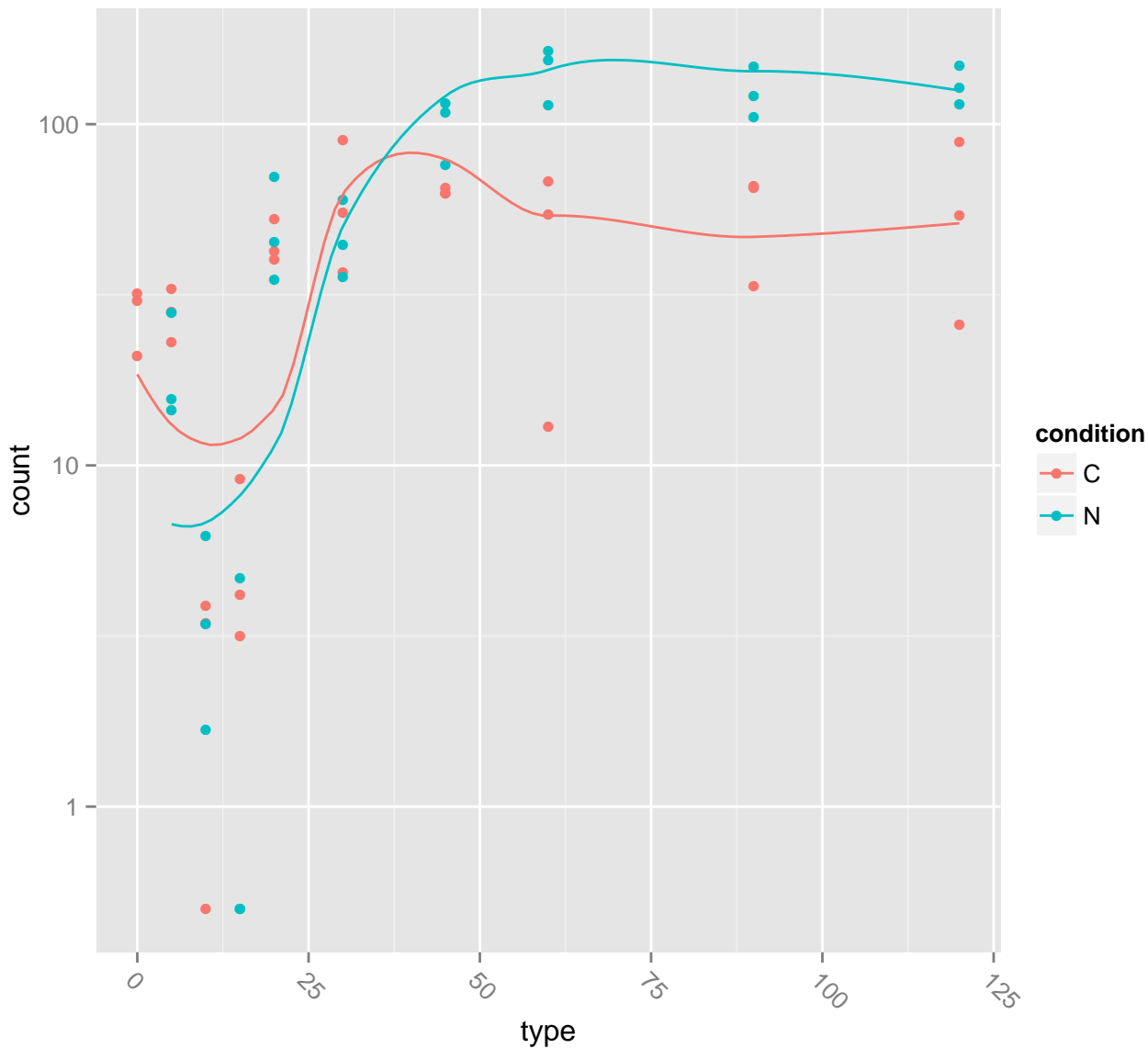
# AT5G20885

*RING/U-box superfamily protein*



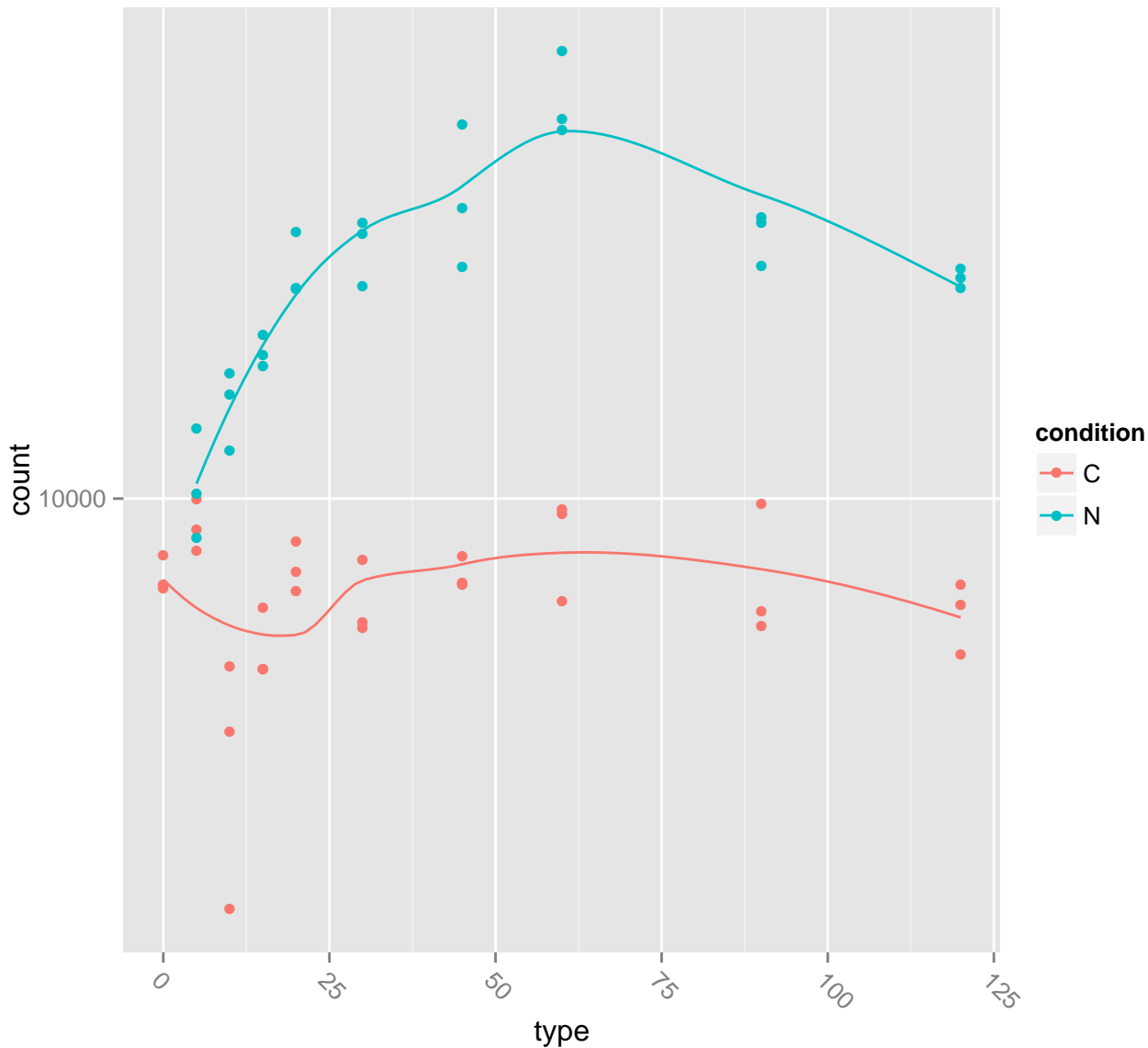
# AT1G32510

*"ANAC011, NAC011, NAC domain containing protein 11"*



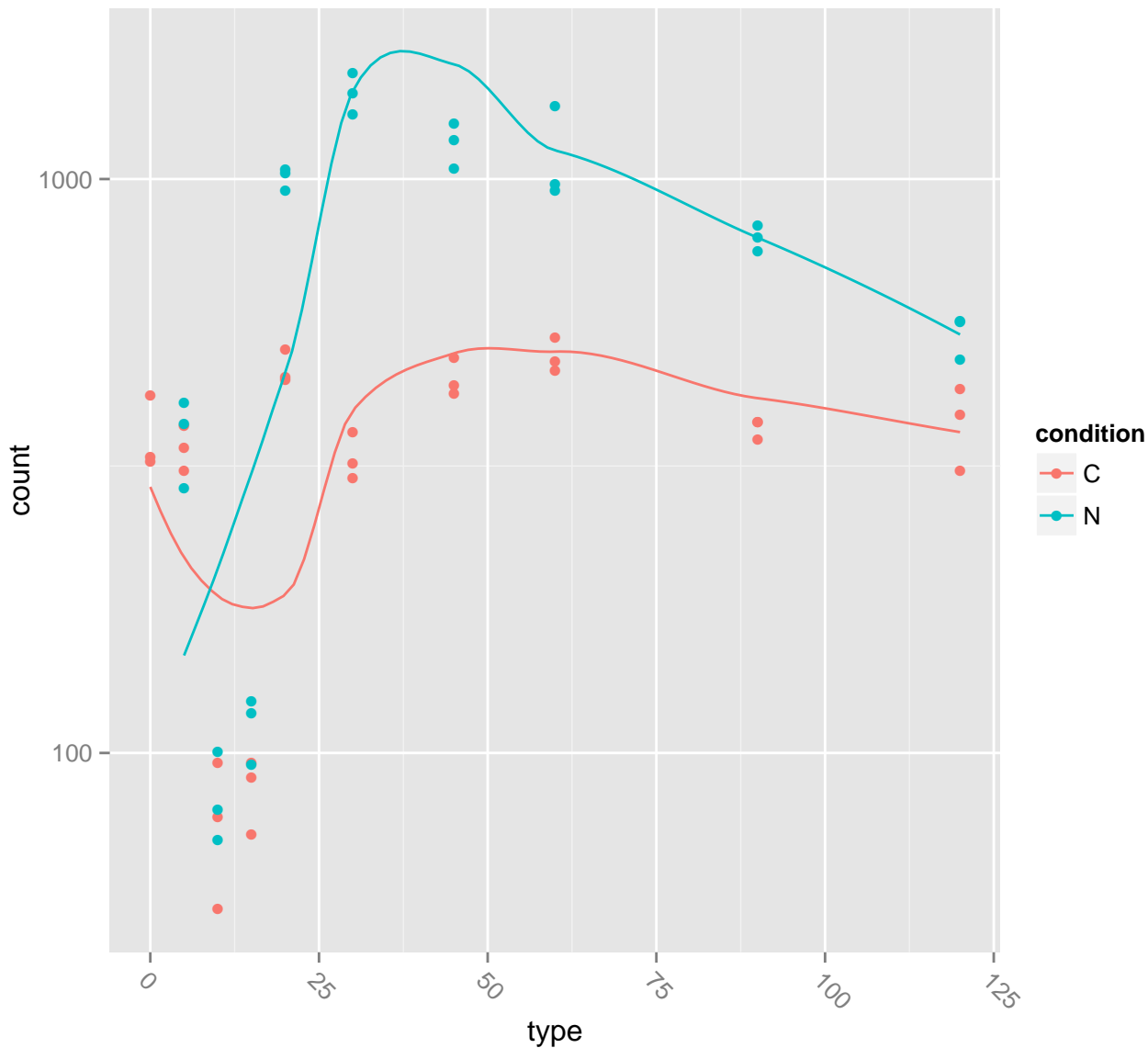
# AT2G18160

*"ATBZIP2, bZIP2, GBF5, basic leucine-zipper 2"*



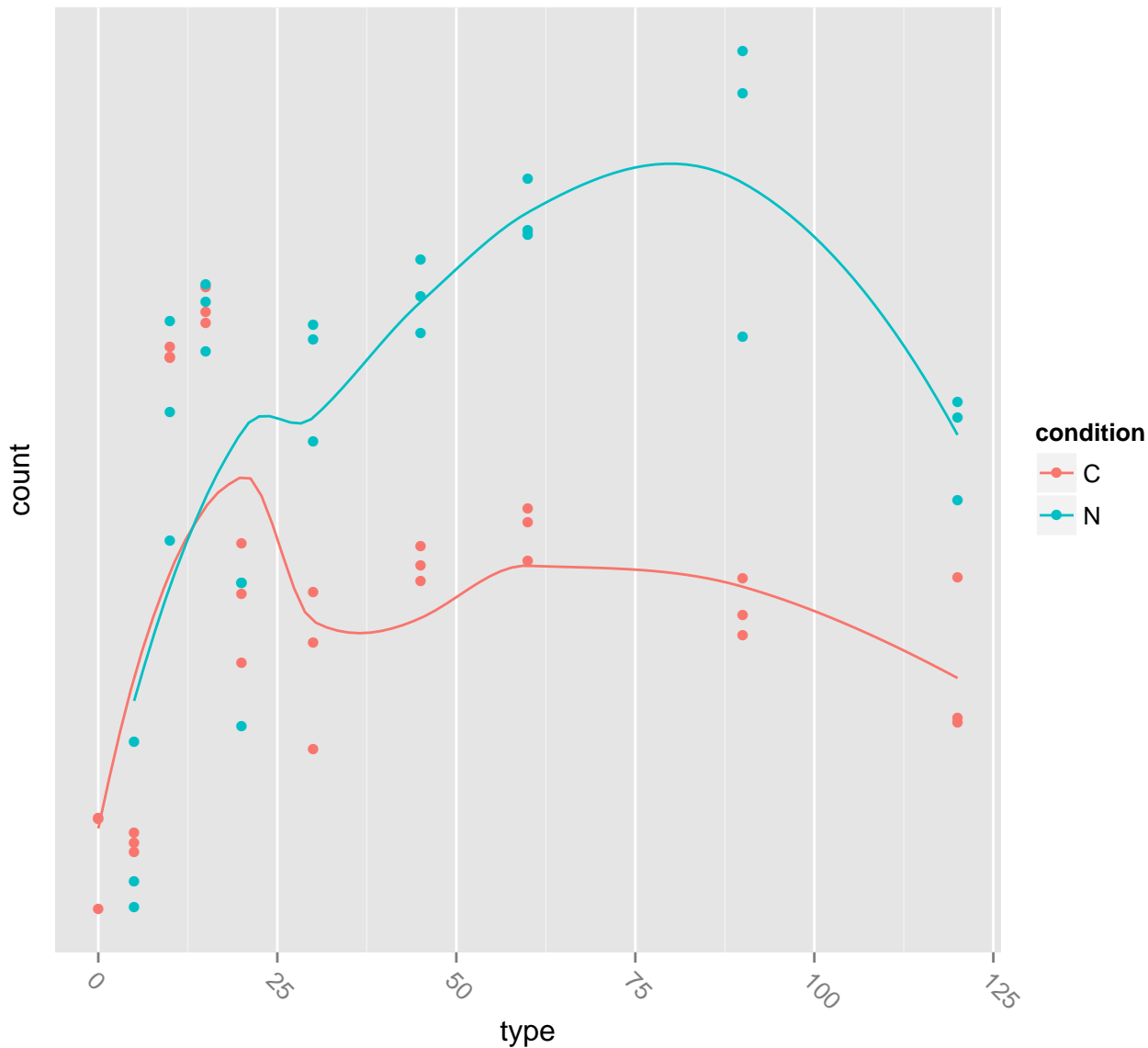
# AT5G04250

*Cysteine proteinases superfamily protein*



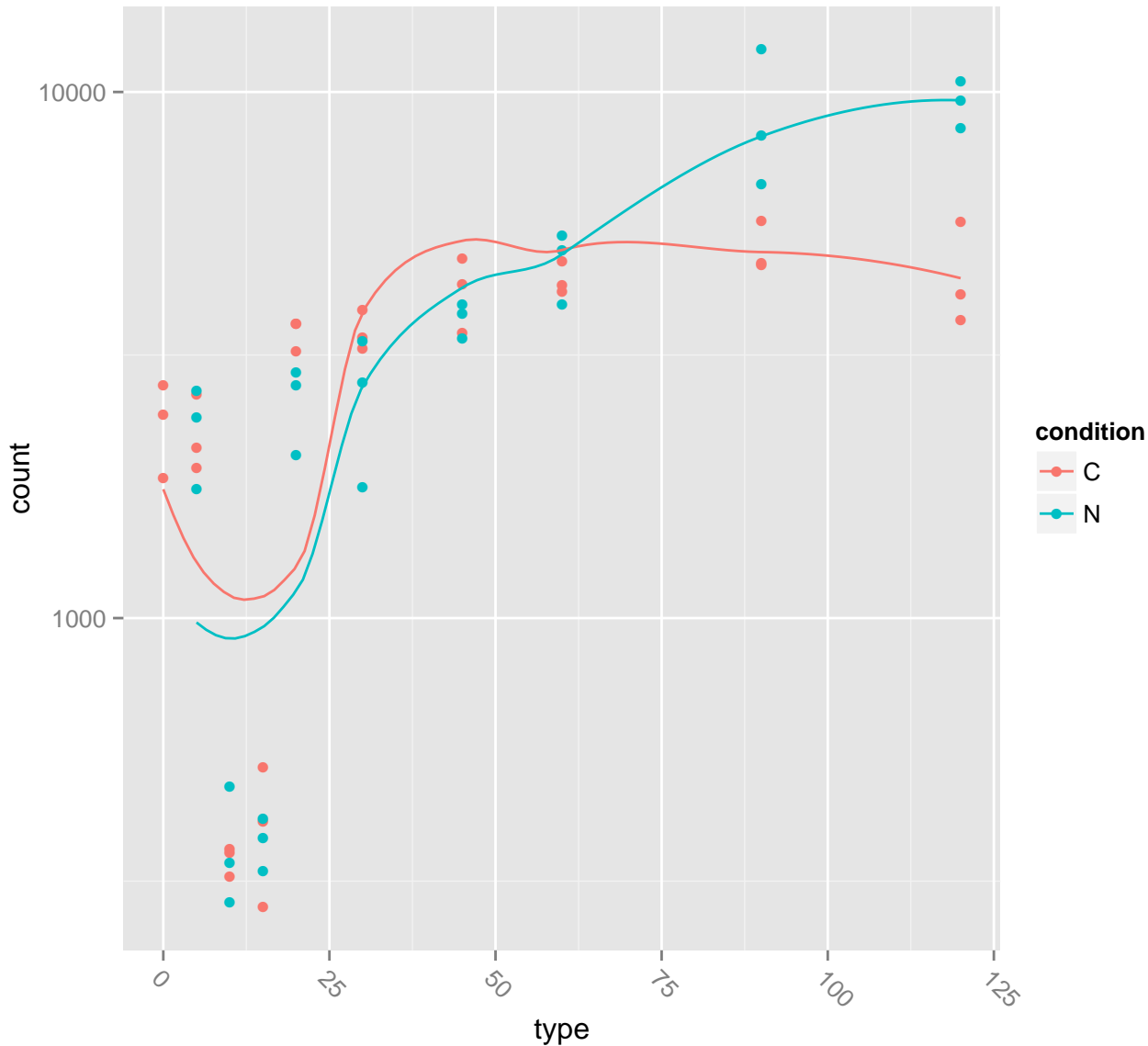
# AT1G60960

*"ATIRT3, IRT3, iron regulated transporter 3"*



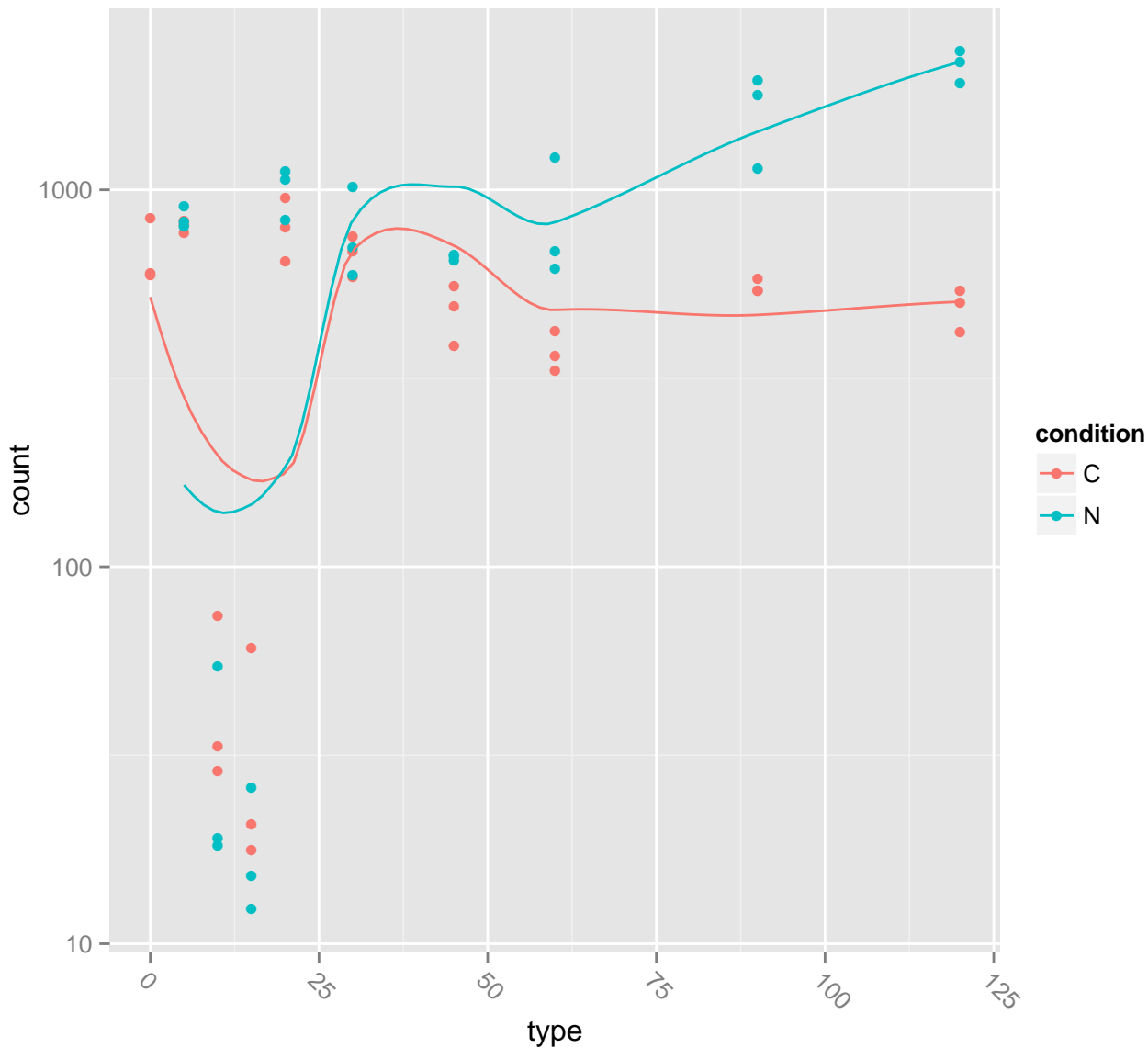
# AT3G62040

*Haloacid dehalogenase-like hydrolase (HAD) superfamily protein*



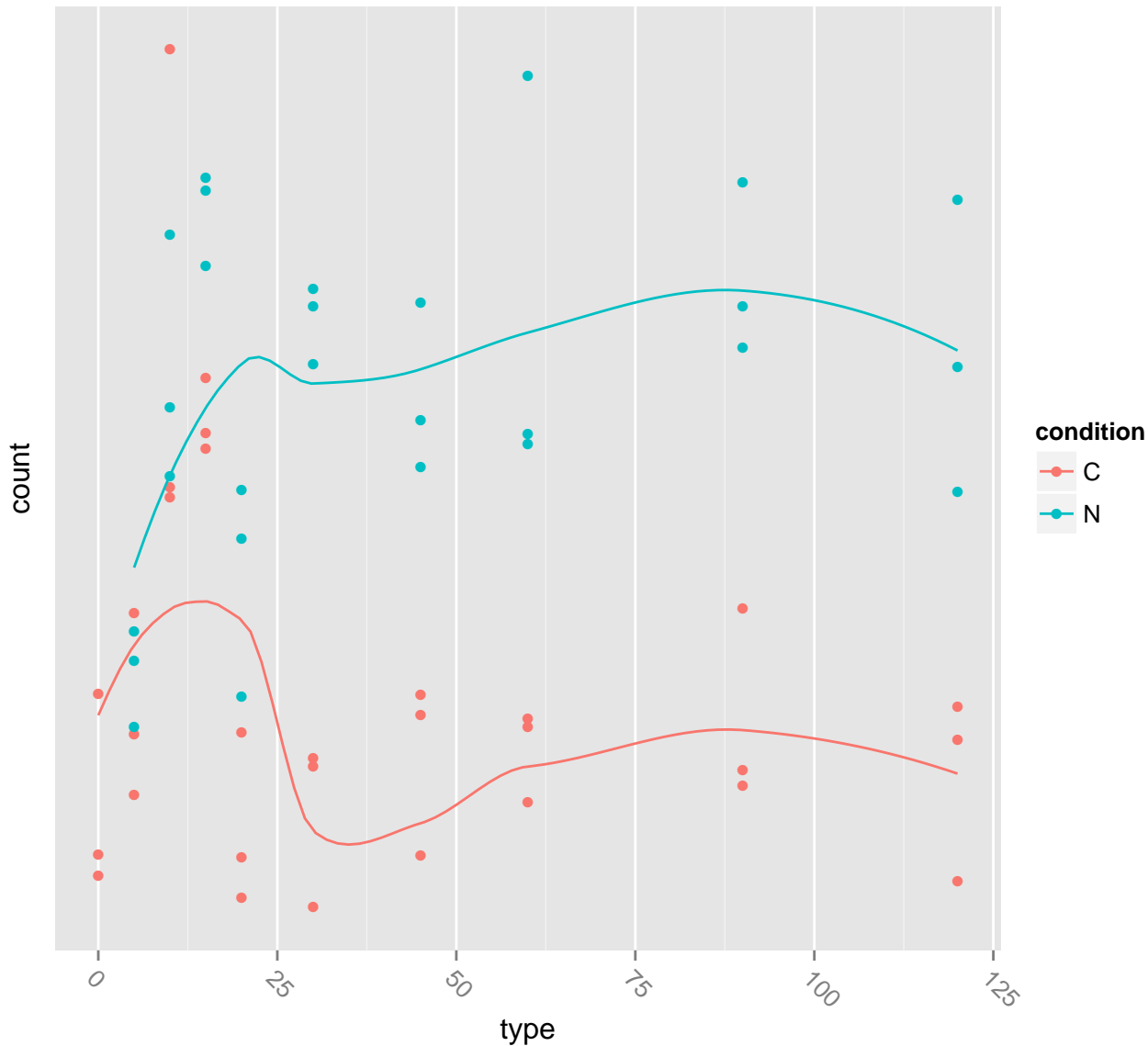
# AT3G48100

*"ARR5, ATRR2, IBC6, RR5, response regulator 5"*



# AT2G36320

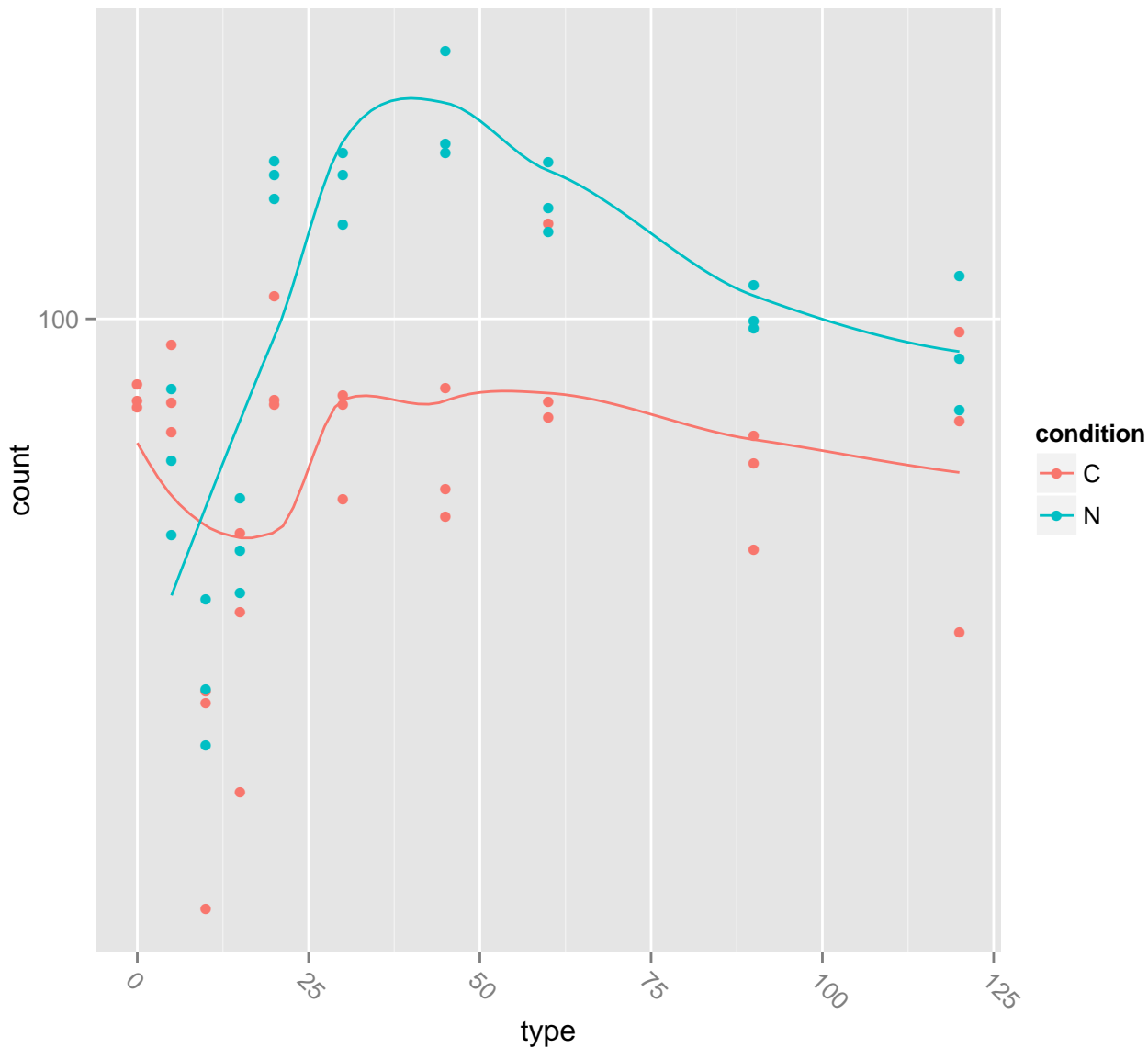
*A20/AN1-like zinc finger family protein*





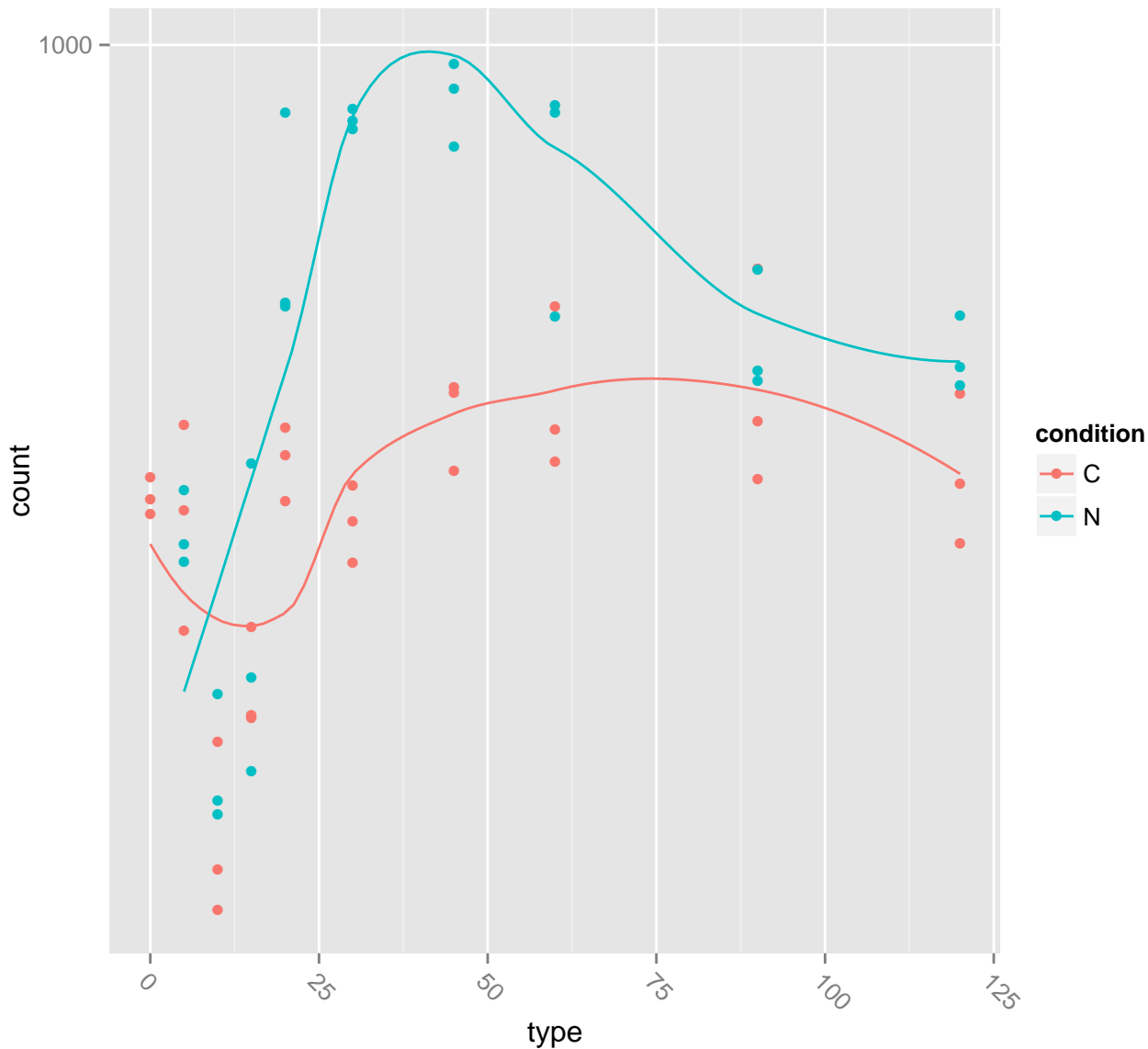
# AT1G63860

*Disease resistance protein (TIR-NBS-LRR class) family*



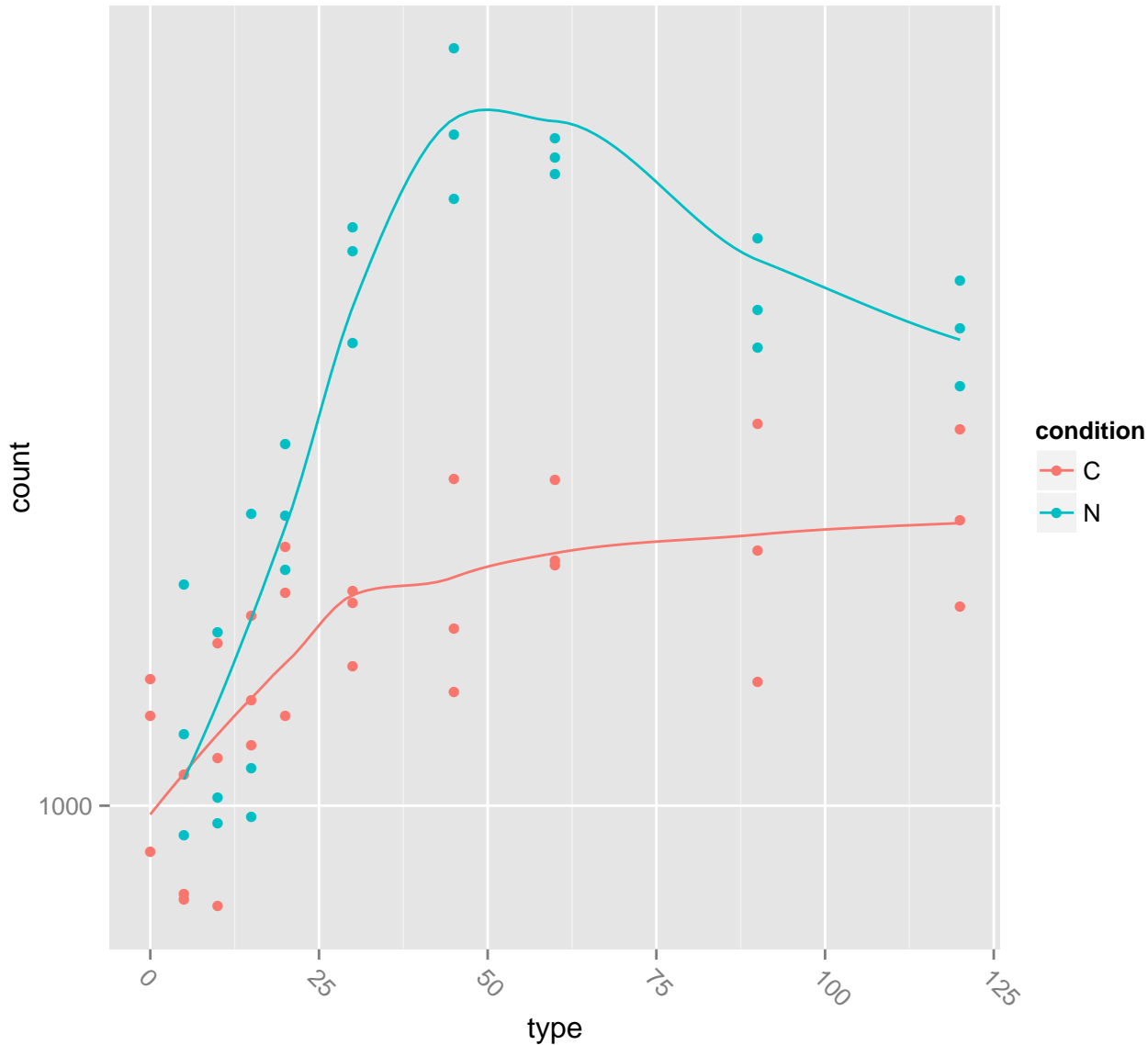
# AT3G61830

*"ARF18, auxin response factor 18"*



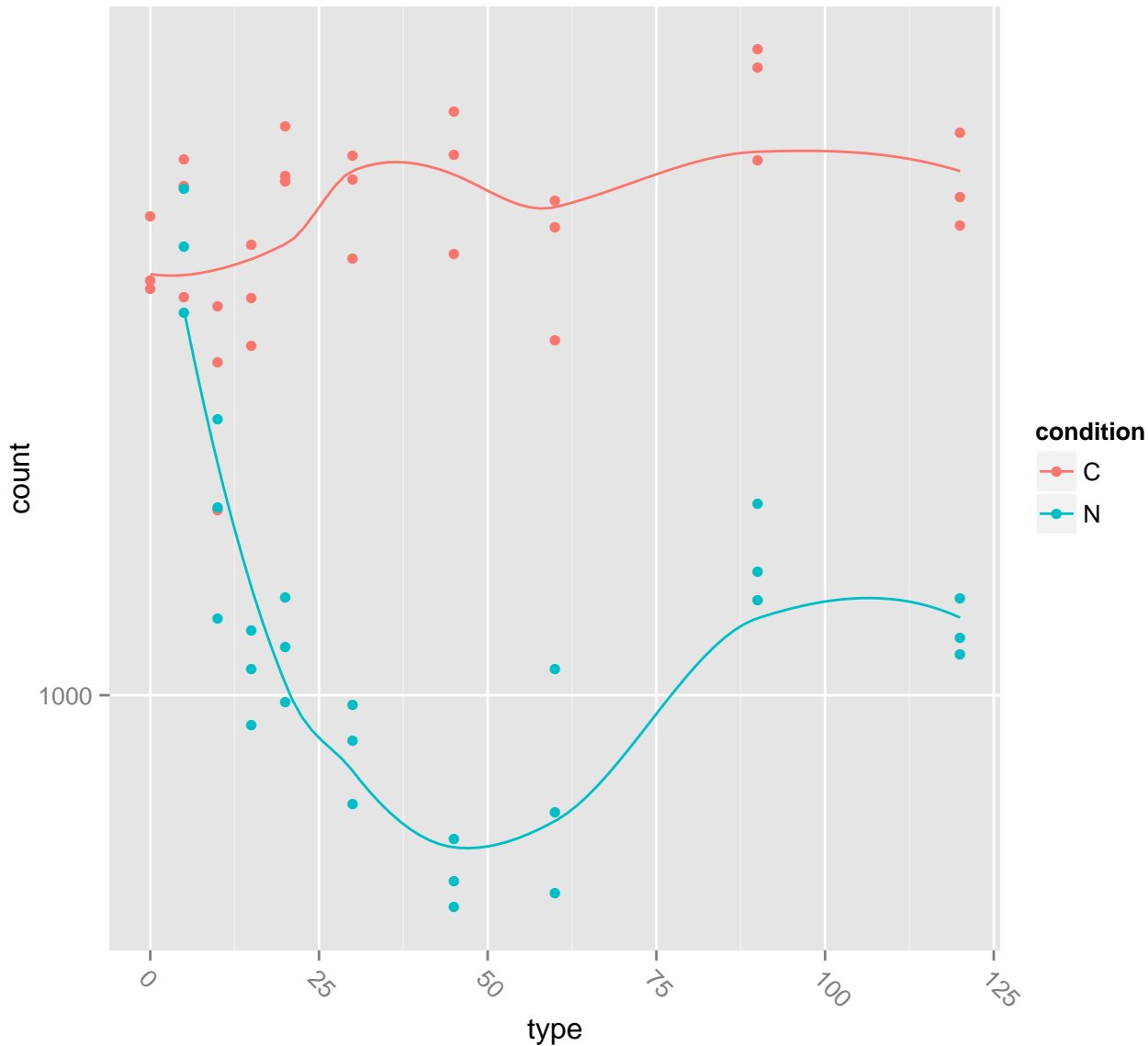
# AT4G25870

*"Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein"*



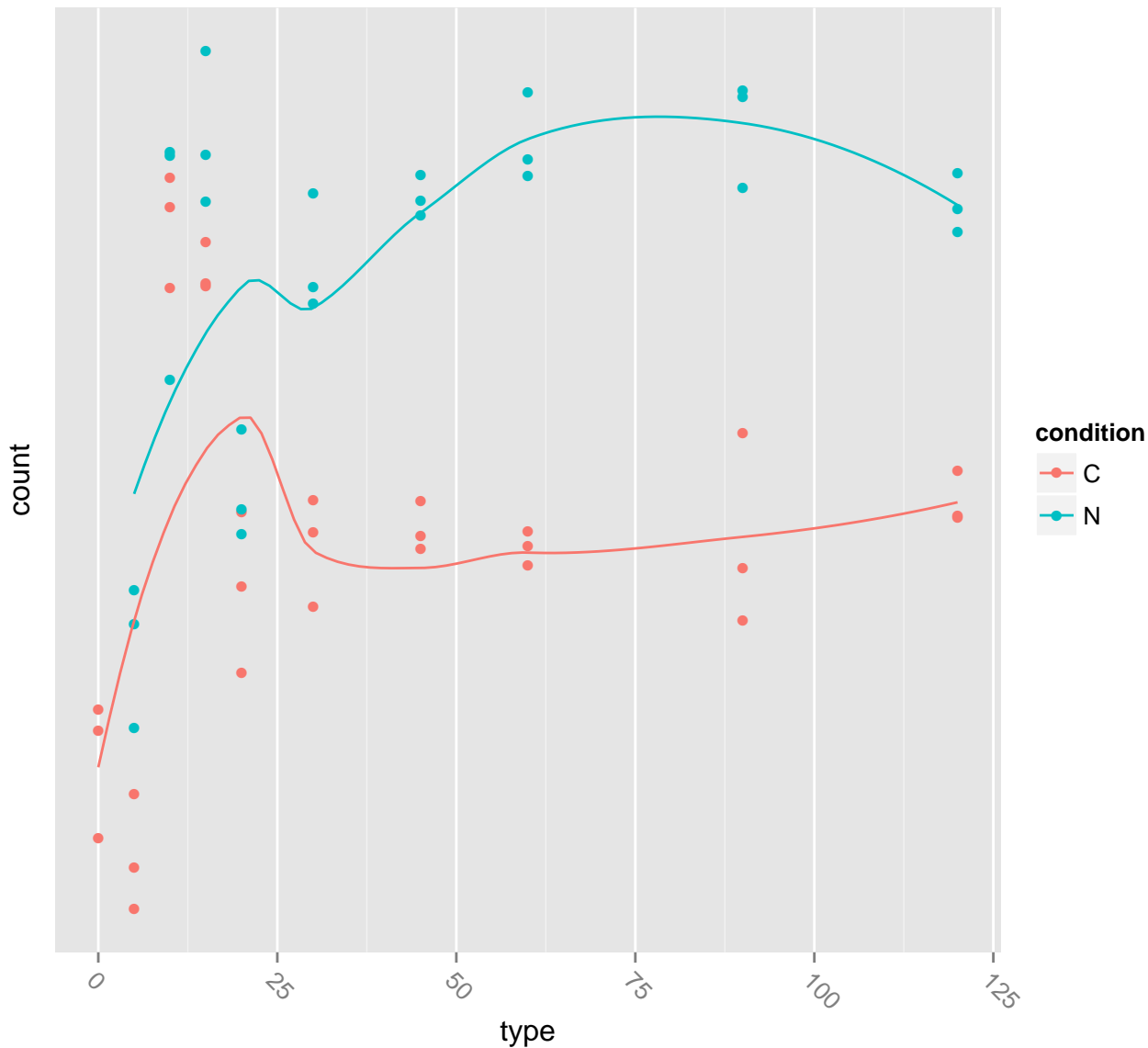
# AT5G45100

*SBP (S-ribonuclease binding protein) family protein*



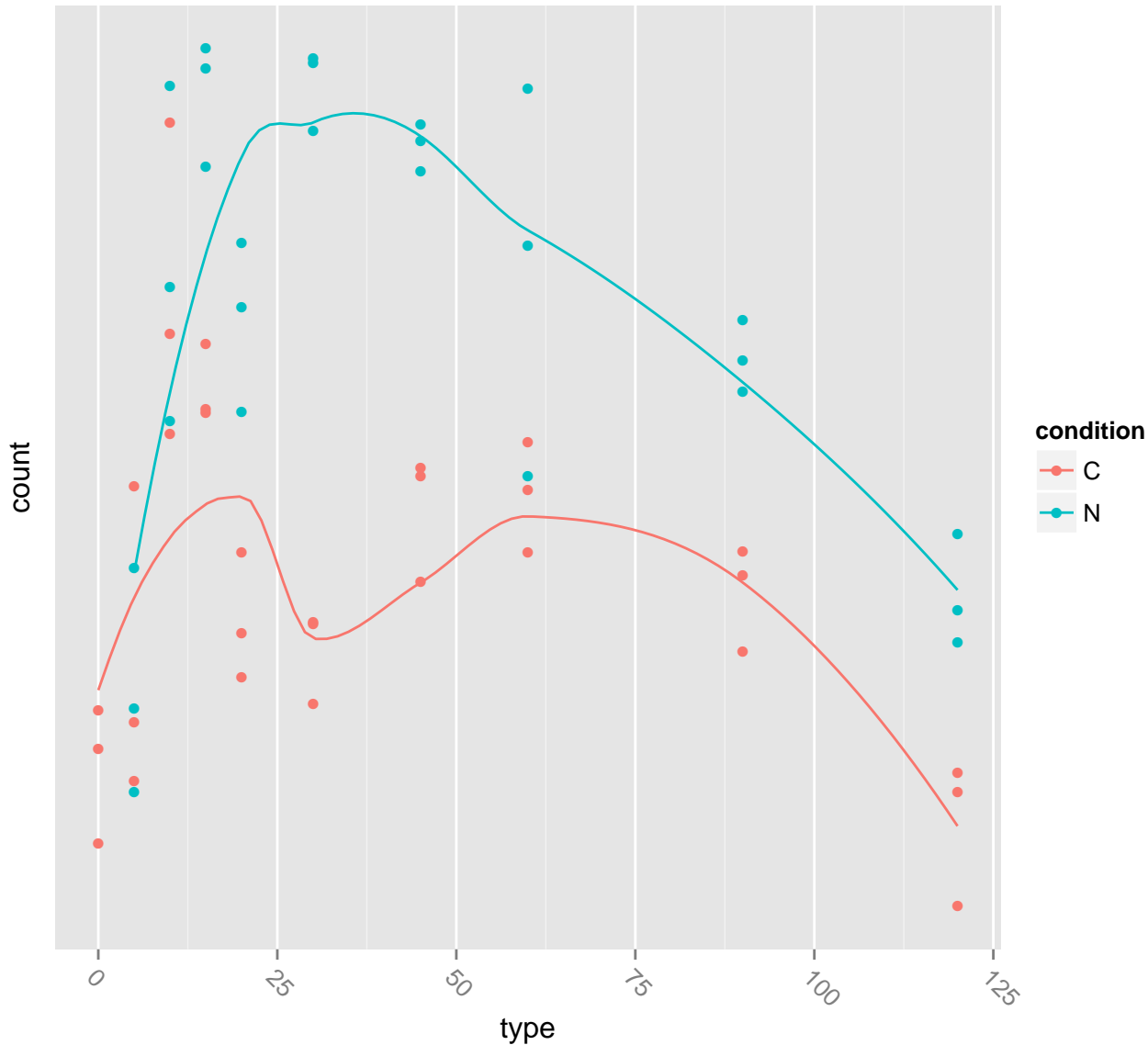
# AT3G52960

*Thioredoxin superfamily protein*



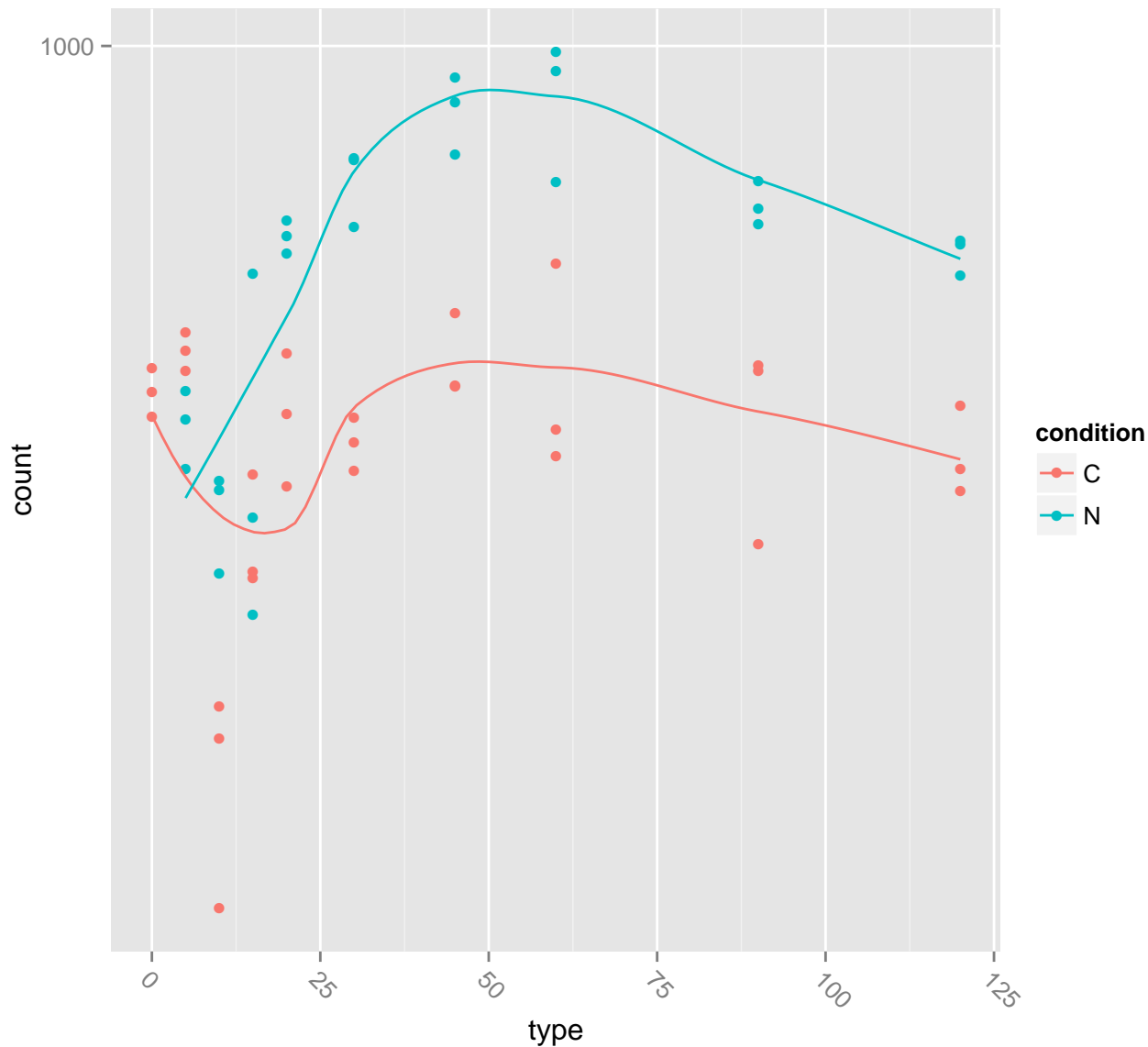
# AT1G08650

"ATPPCK1, PPCK1, phosphoenolpyruvate carboxylase kinase 1"



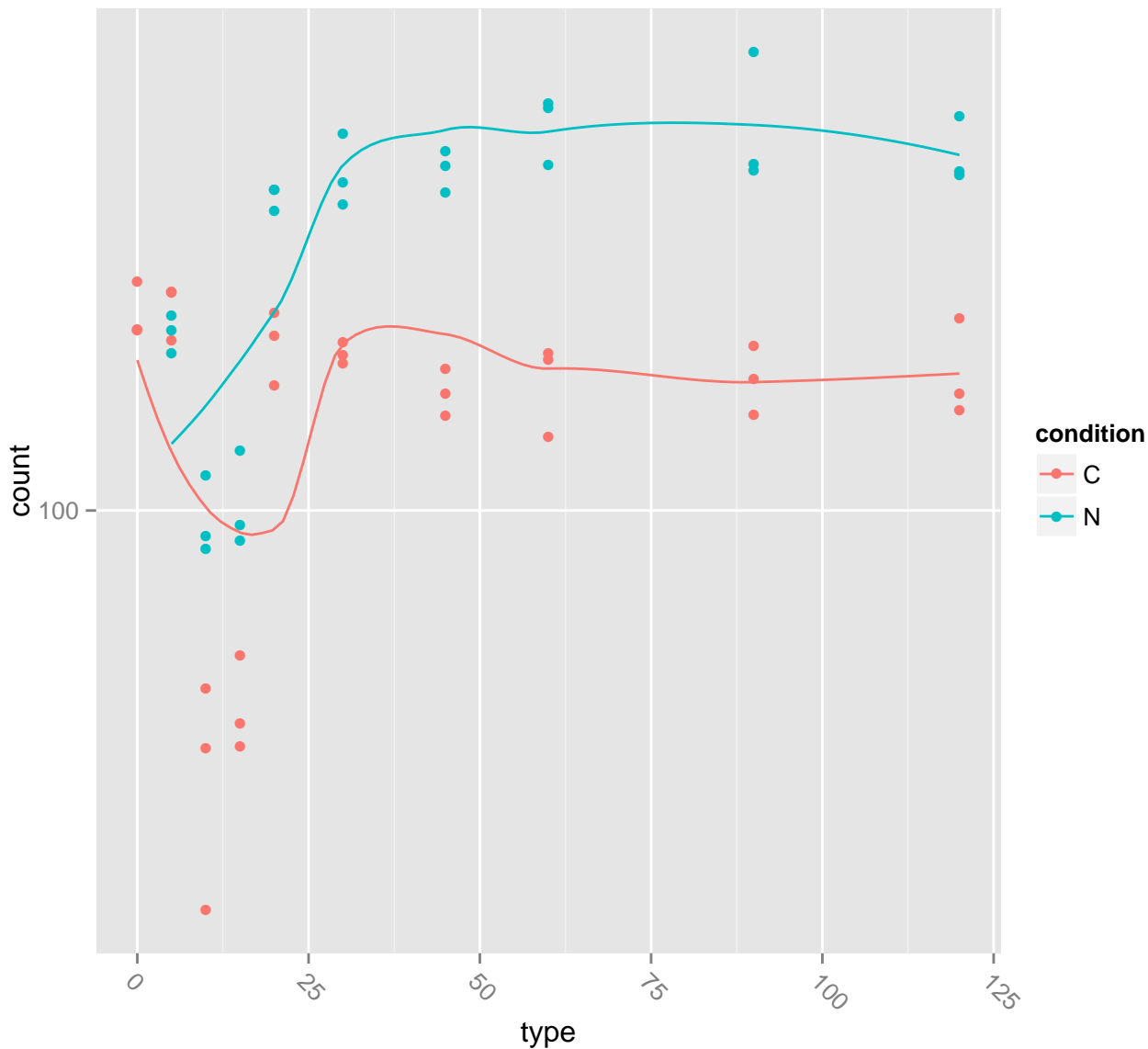
# AT4G03500

*Ankyrin repeat family protein*



# AT5G07900

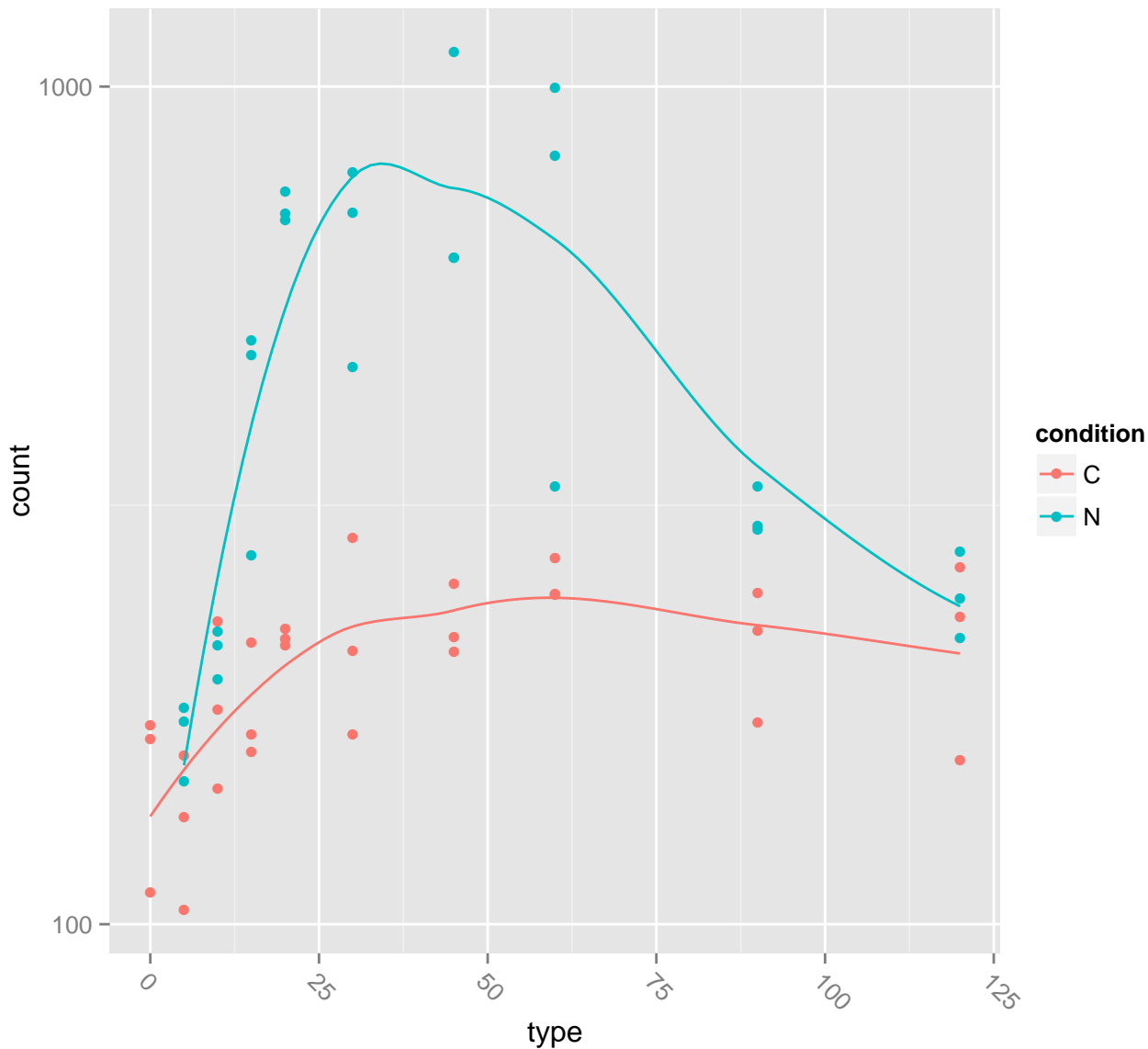
*Mitochondrial transcription termination factor family protein*





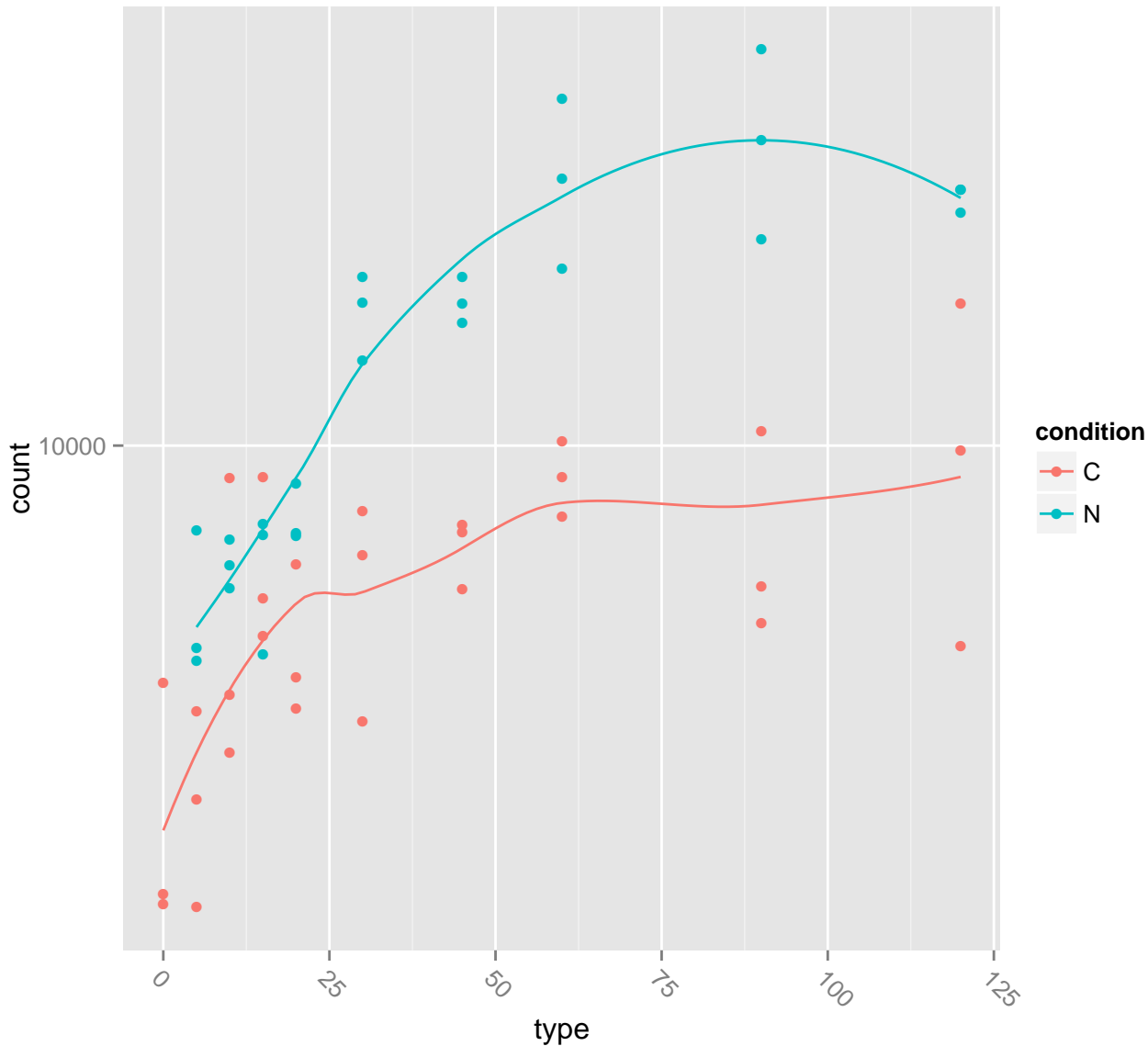
# AT5G13400

*Major facilitator superfamily protein*



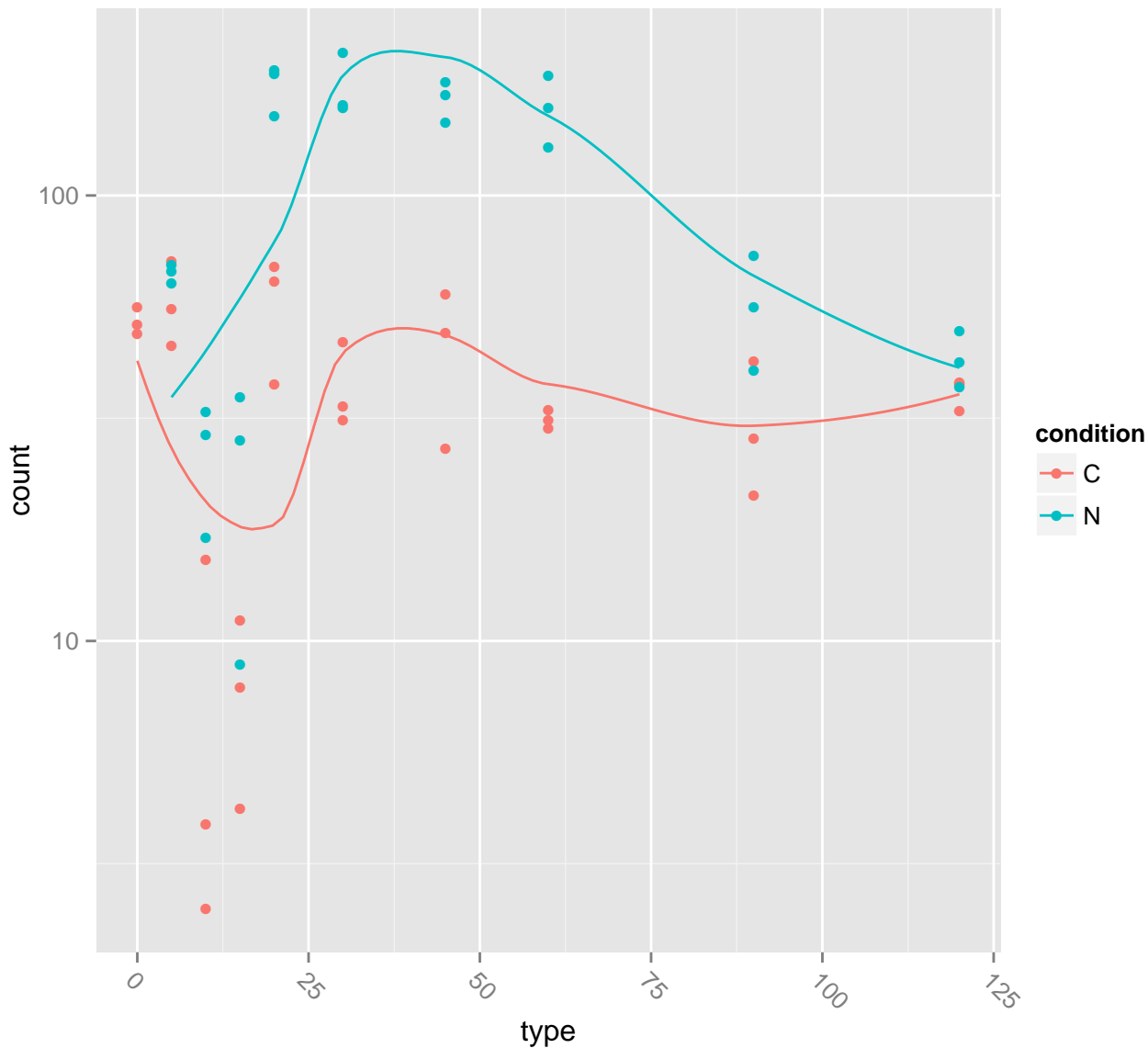
# AT5G49480

*"ATCP1, CP1, Ca<sup>2+</sup>-binding protein 1"*



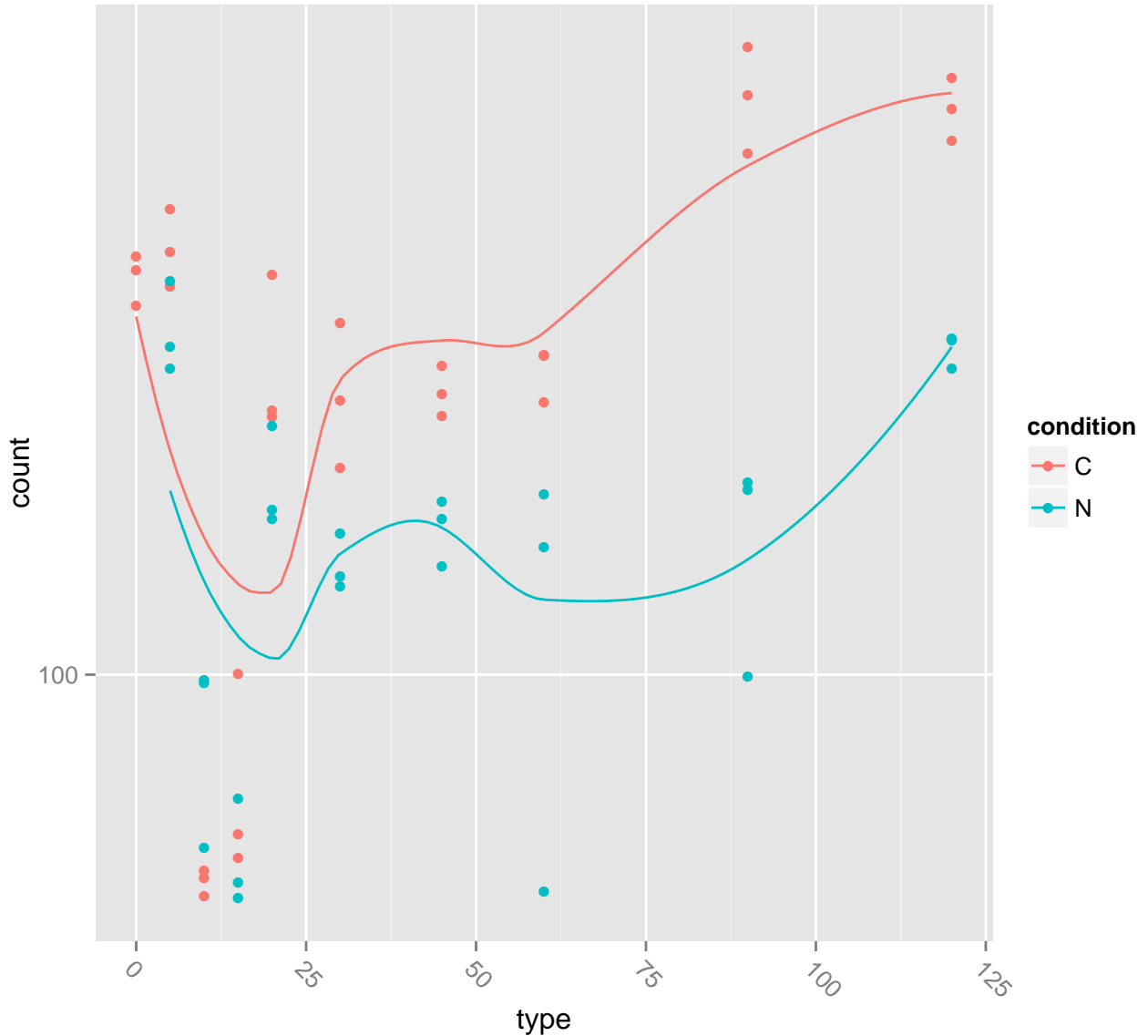
# AT3G05327

*Cyclin family protein*



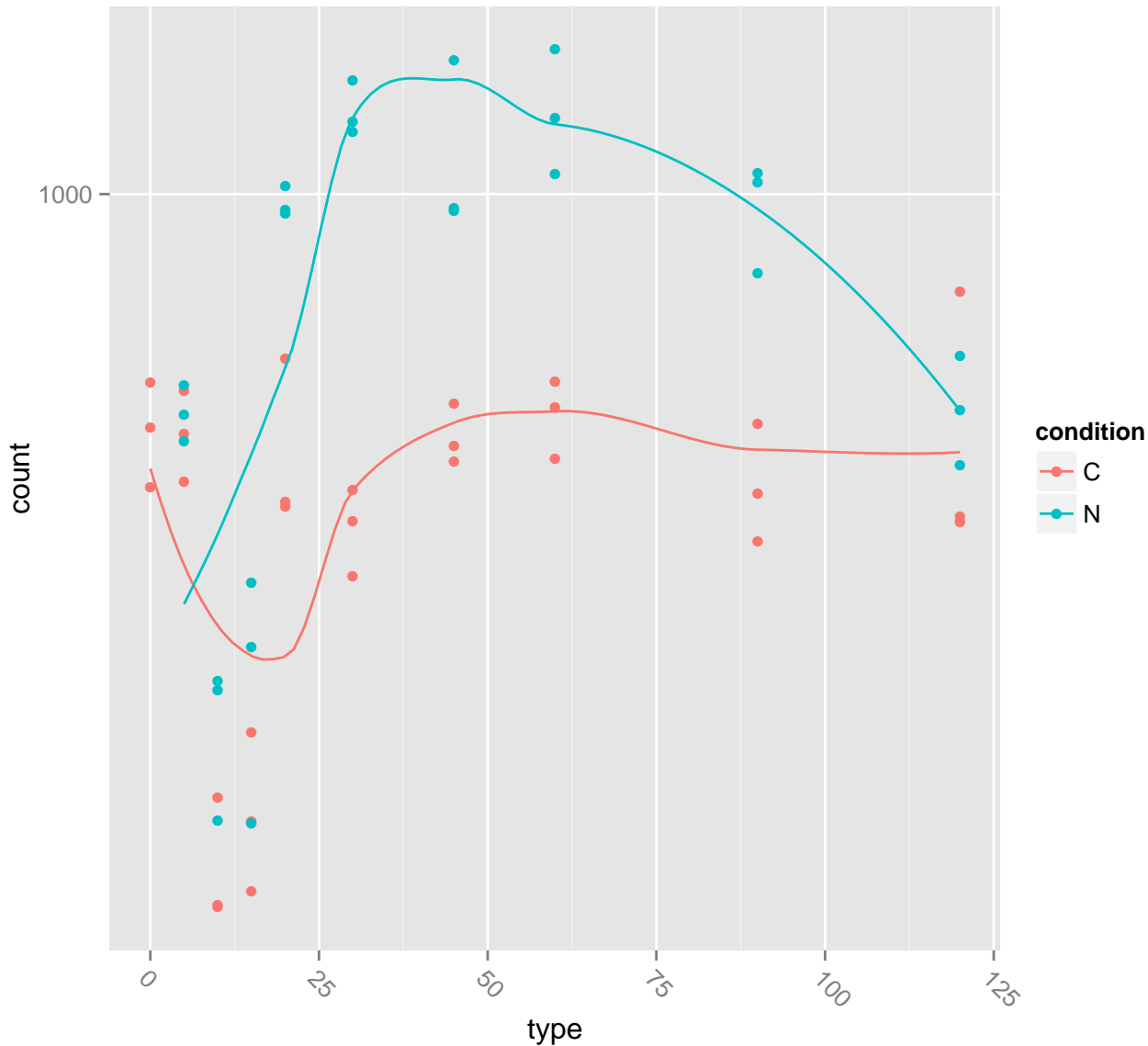
# AT5G50010

*sequence-specific DNA binding transcription factors;transcription regulators*



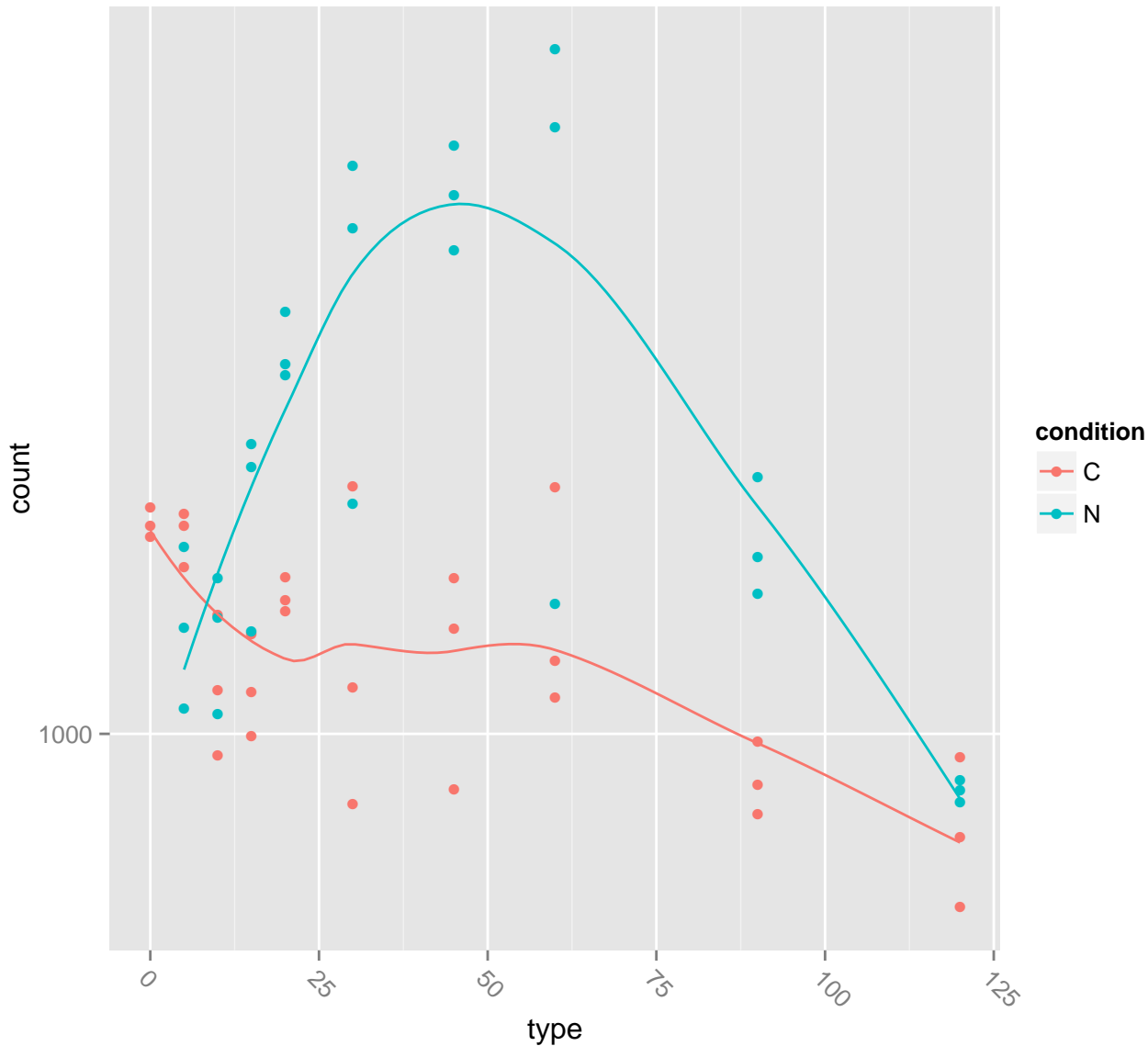
# AT3G54990

*"SMZ, Integrase-type DNA-binding superfamily protein"*



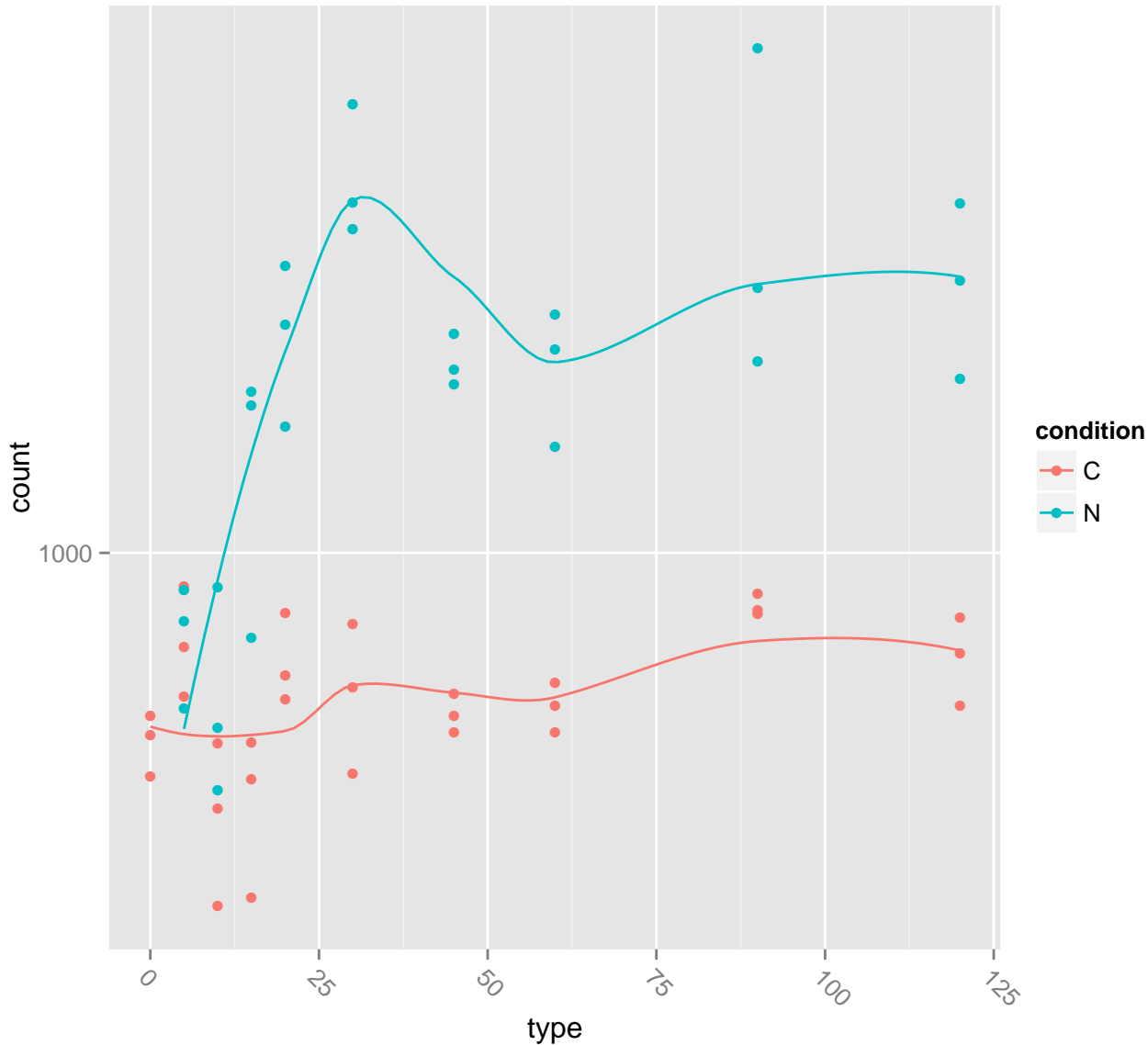
# AT2G01130

*DEA(D/H)-box RNA helicase family protein*



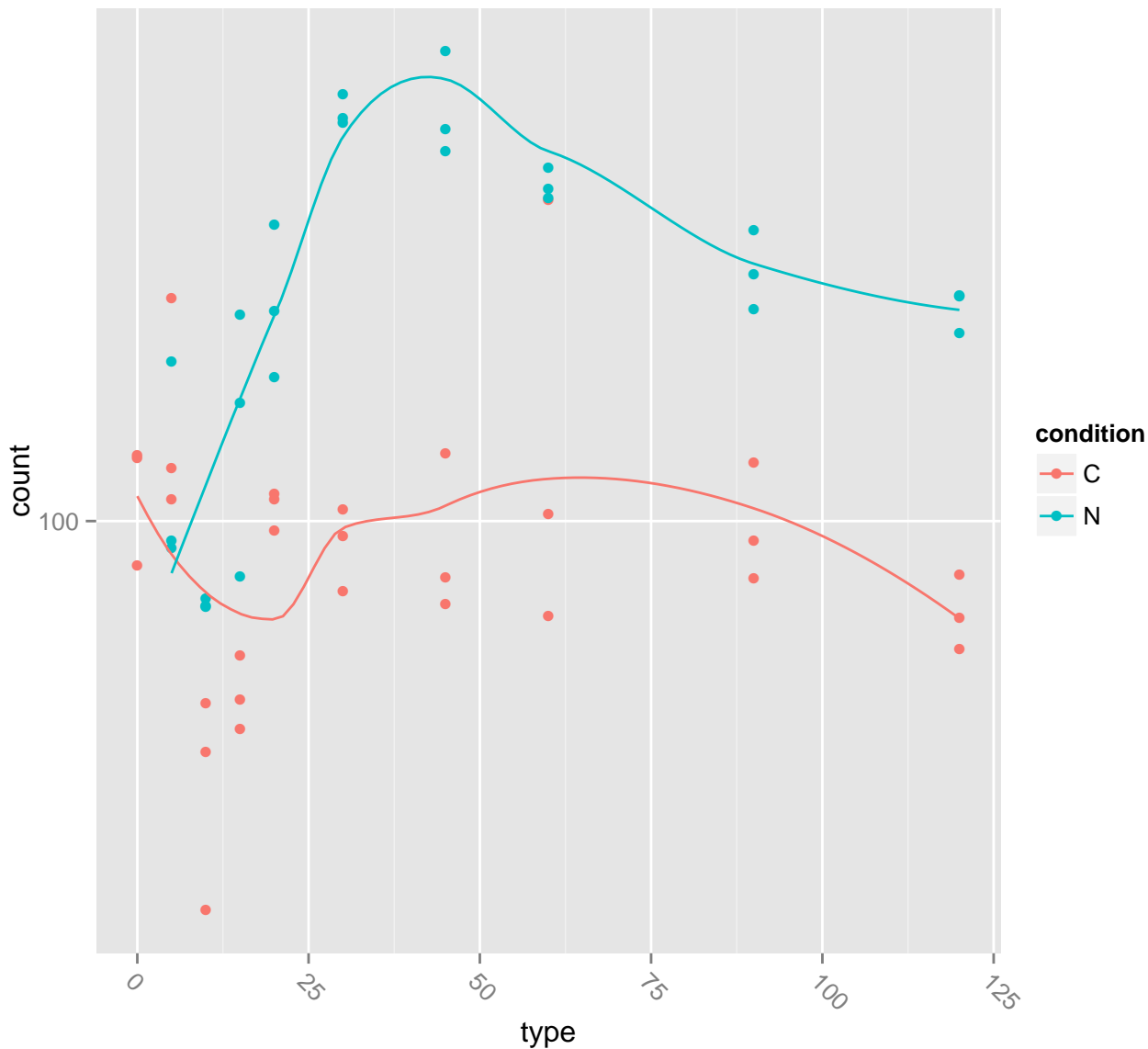
# AT5G24890

JRING: 13 growth stages; BEST Arabidopsis thaliana protein match is: unknown protein



# AT4G36540

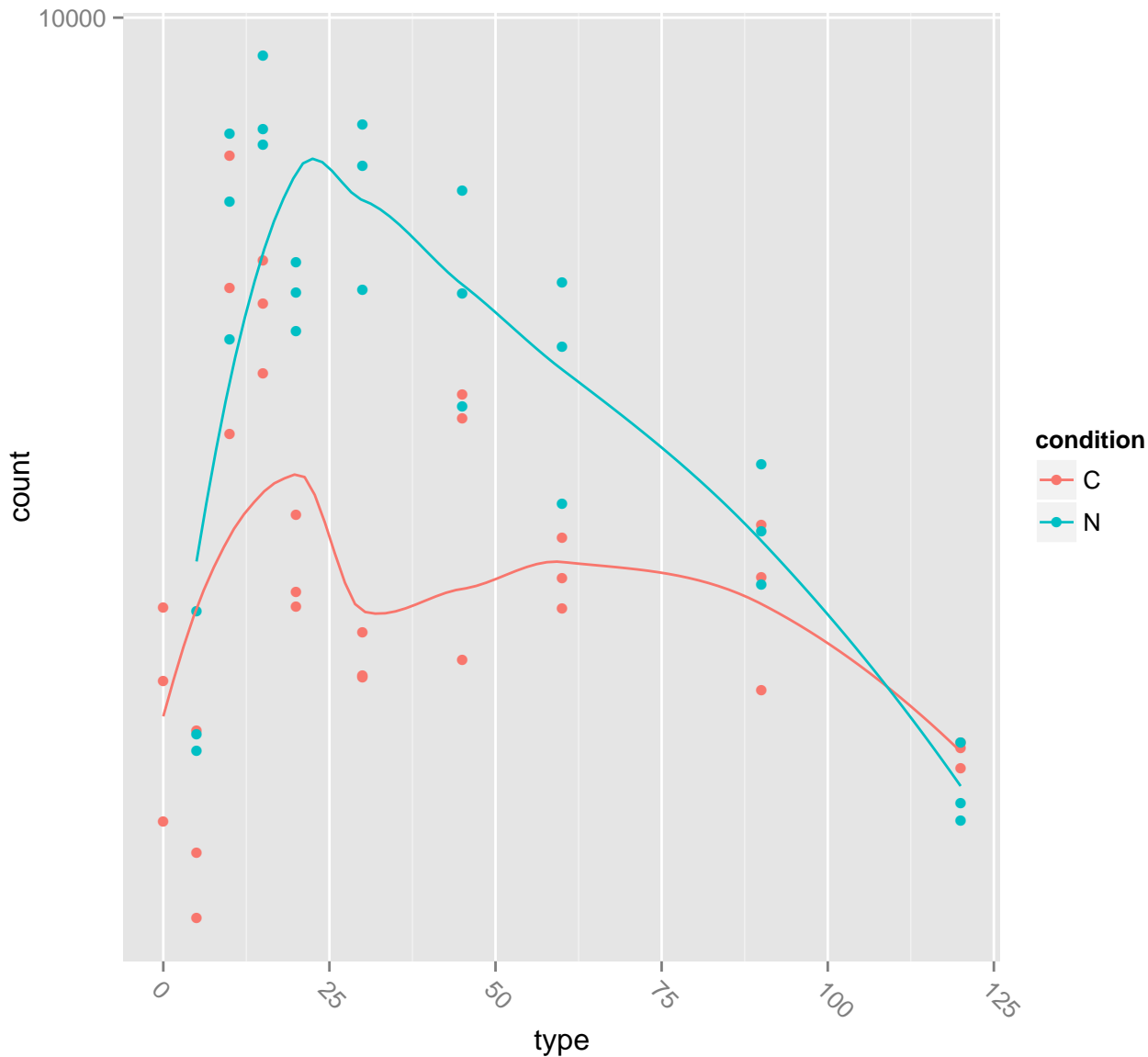
*"BEE2, BR enhanced expression 2"*





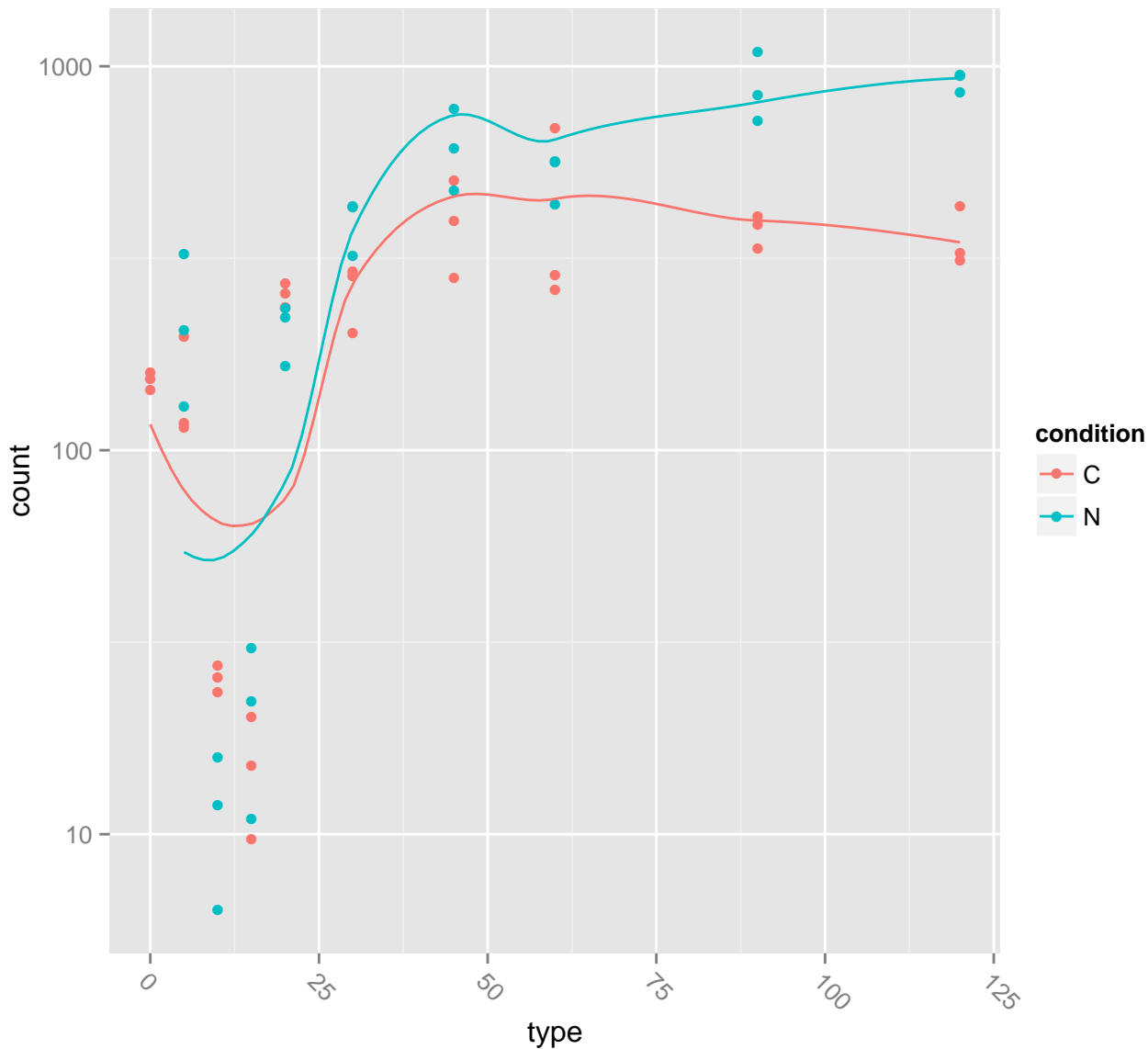
# AT5G64550

*loricrin-related*



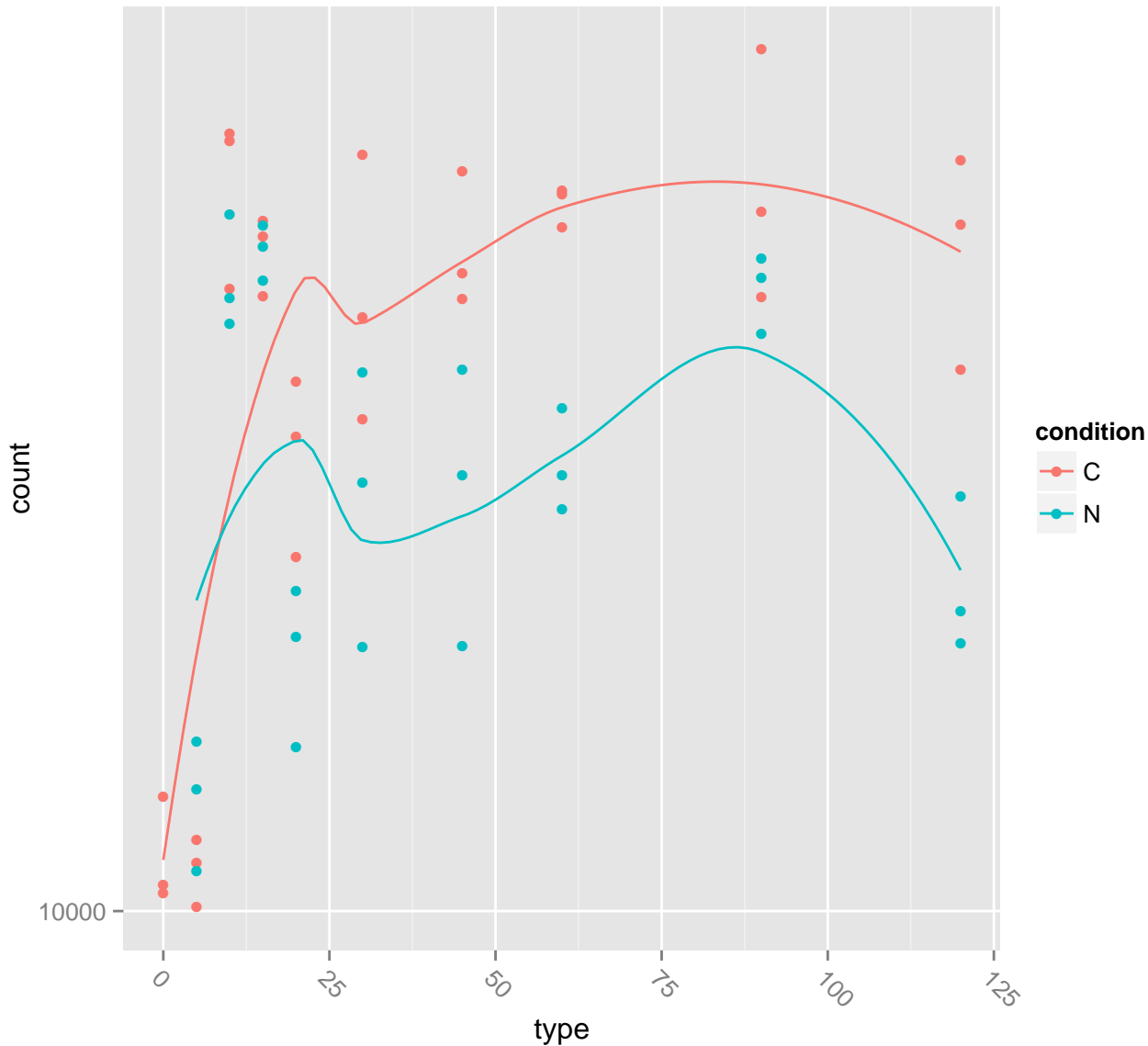
# AT4G09770

*TRAF-like family protein*



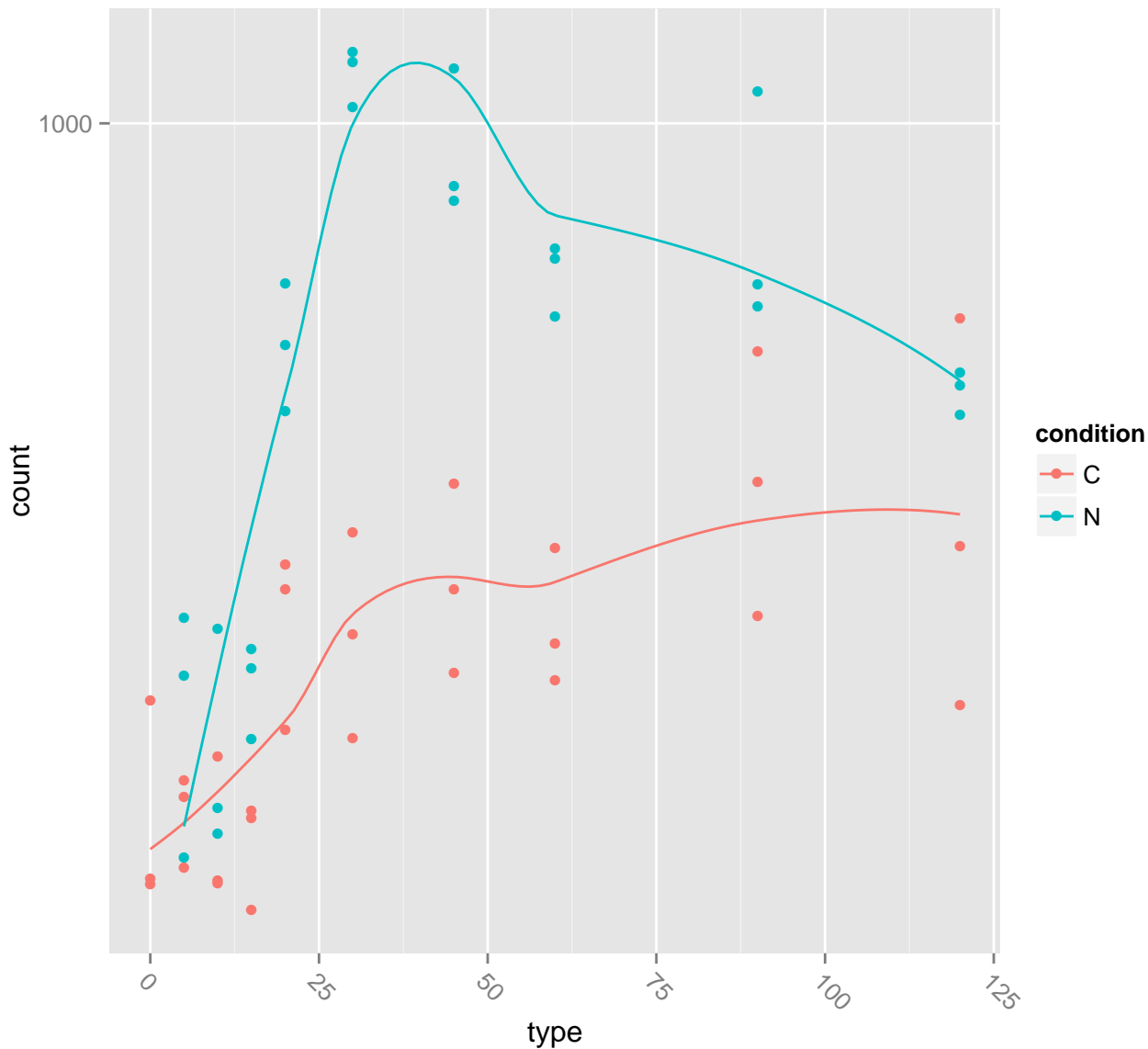
# AT3G09440

*Heat shock protein 70 (Hsp 70) family protein*



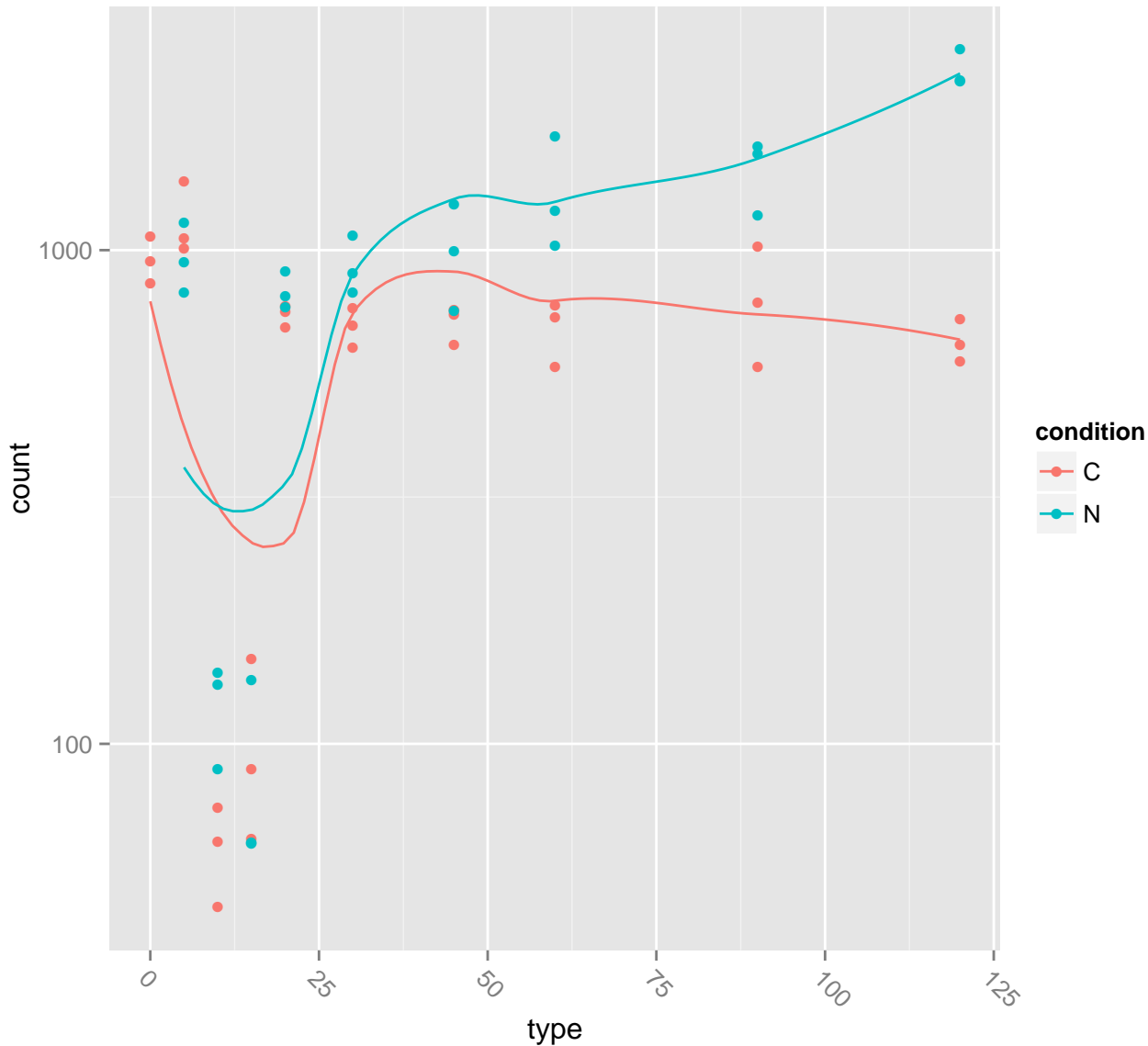
# AT2G36470

*Plant protein of unknown function (DUF868)*



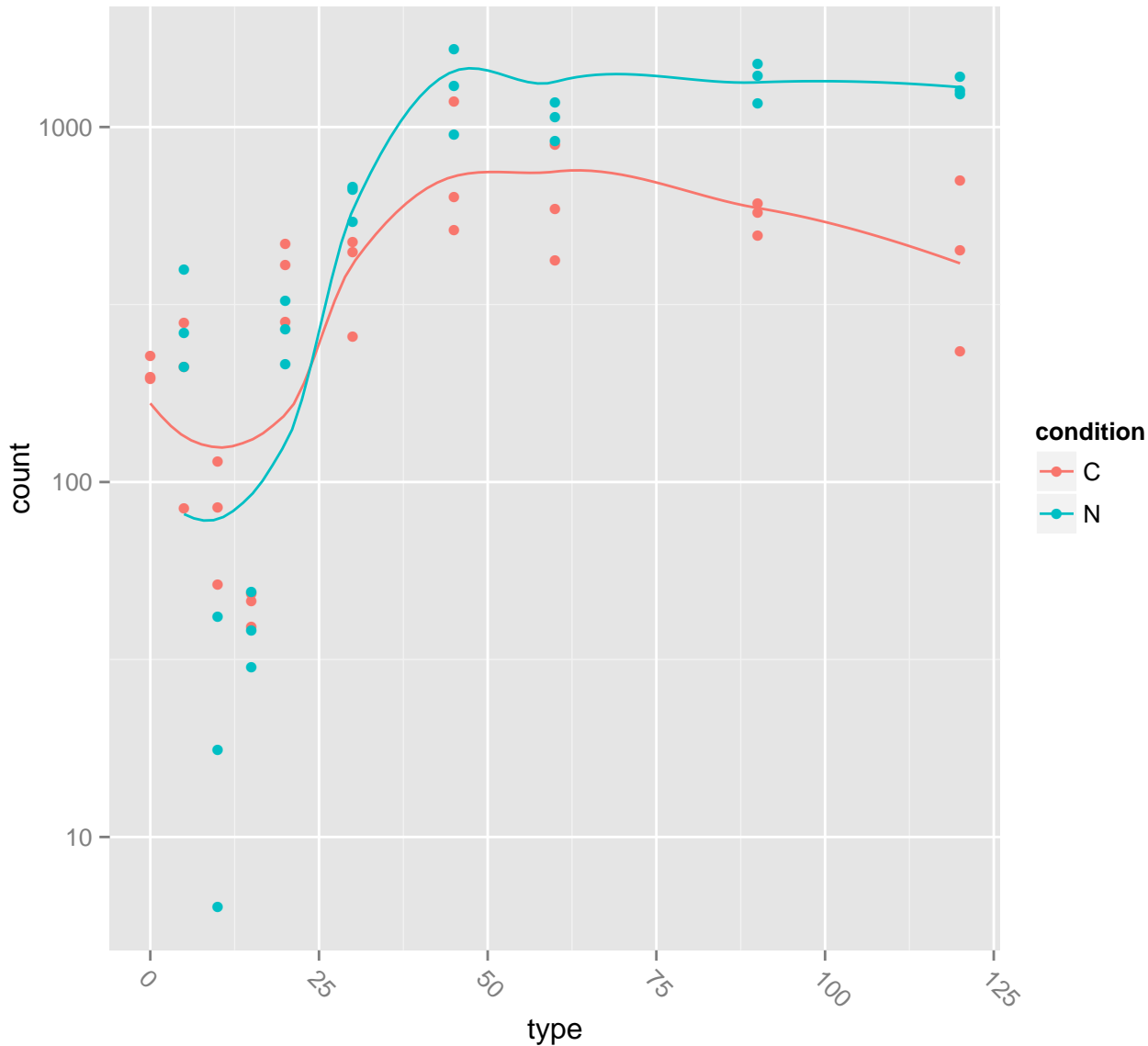
# AT3G54880

360.2); Has 137 Blast hits to 137 proteins in 19 species: Archae – 0; Bacteria – 0; Metaz



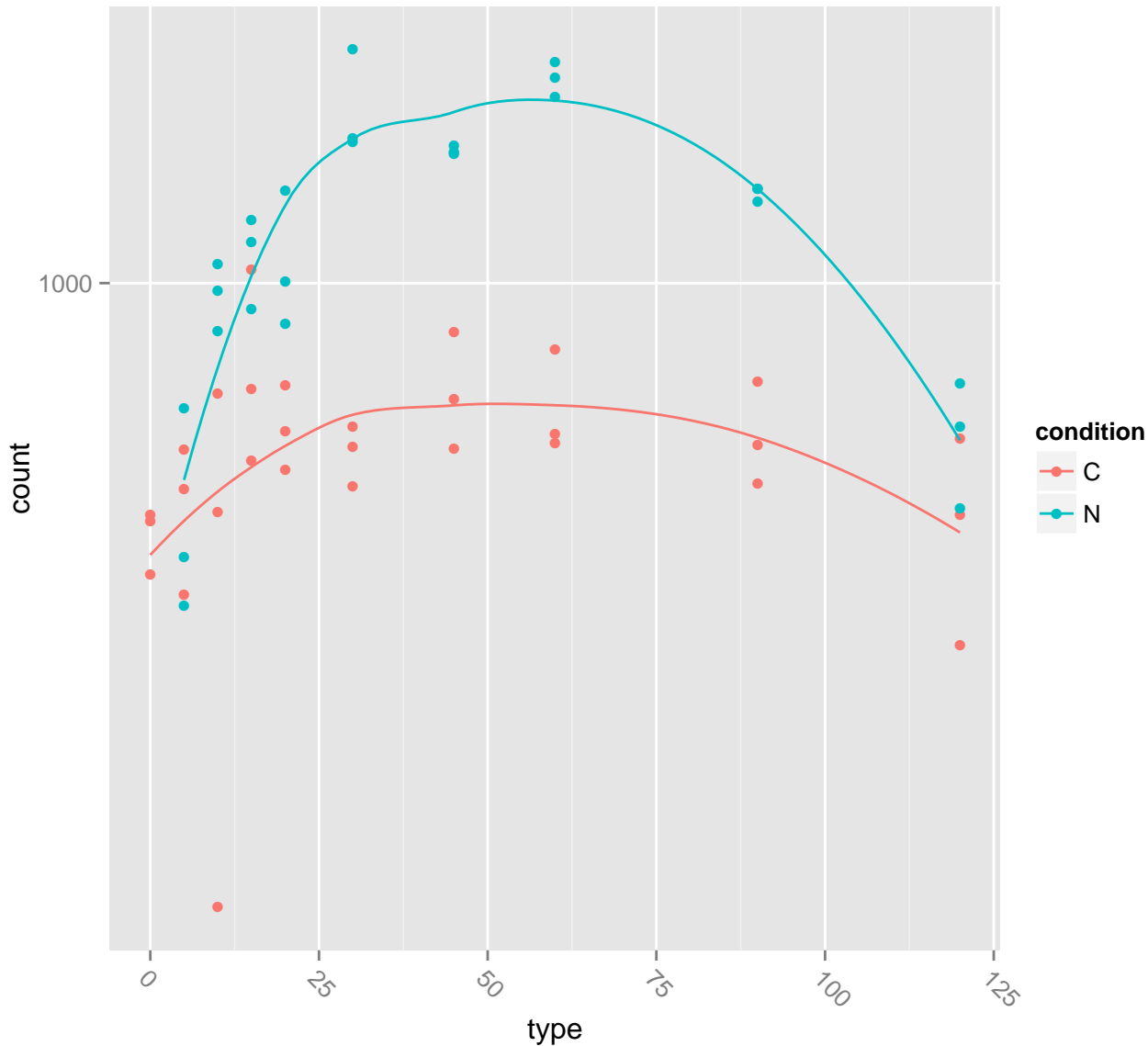
# AT1G15640

620.1); Has 154 Blast hits to 146 proteins in 13 species: Archae – 0; Bacteria – 0; Metaz



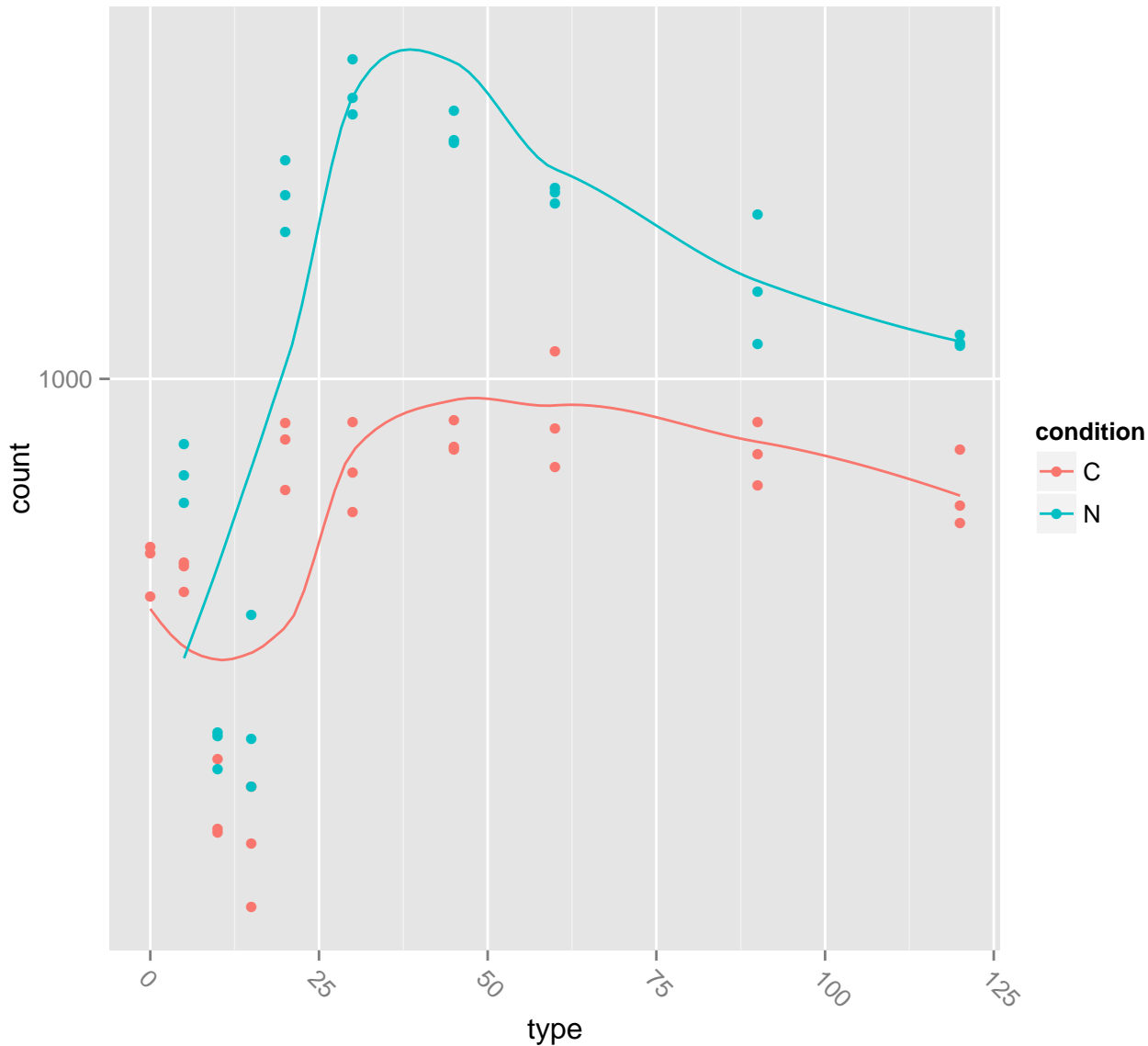
# AT4G00940

*Dof-type zinc finger DNA-binding family protein*



# AT5G15330

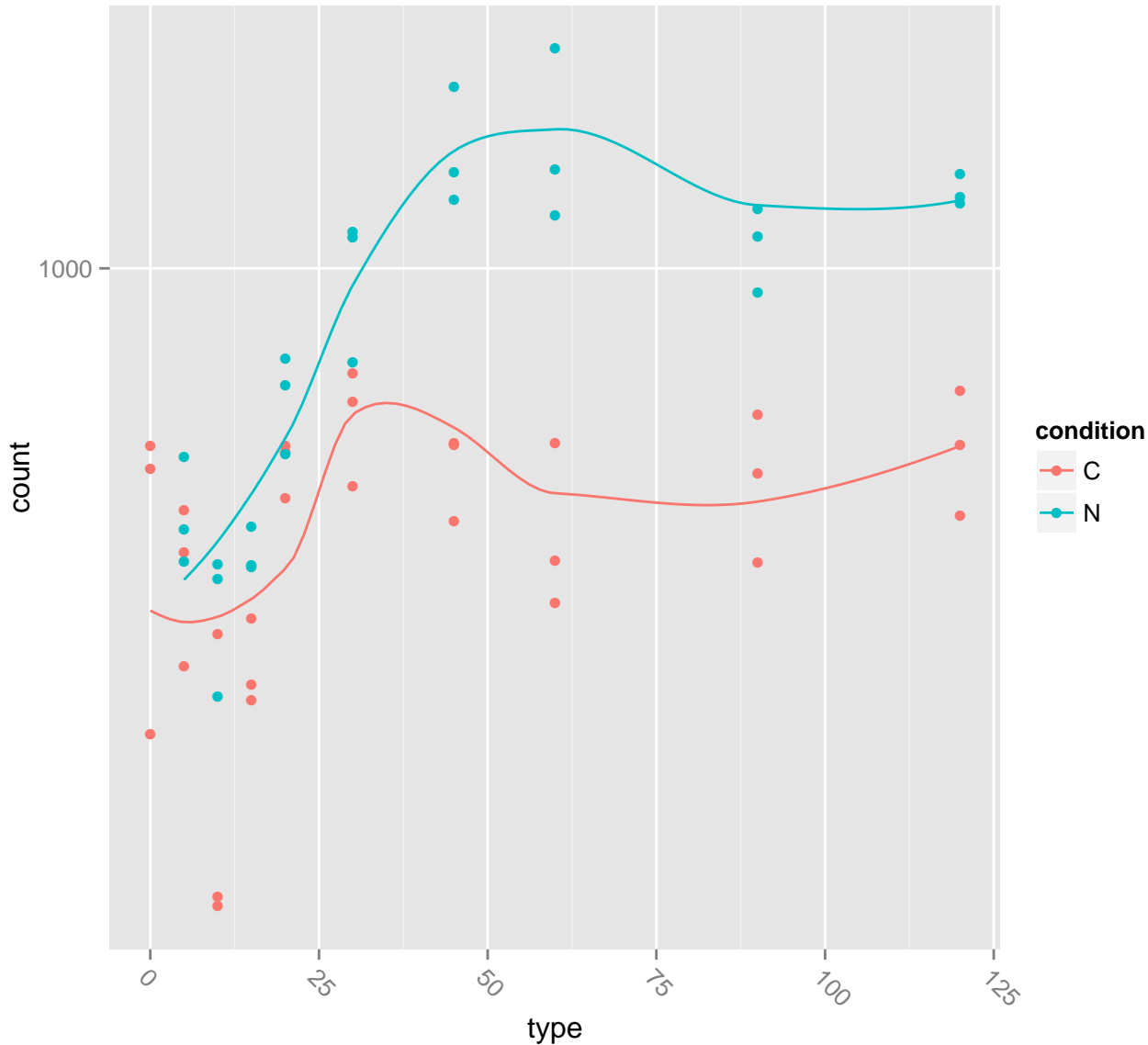
*"ATSPX4, SPX4, SPX domain gene 4"*





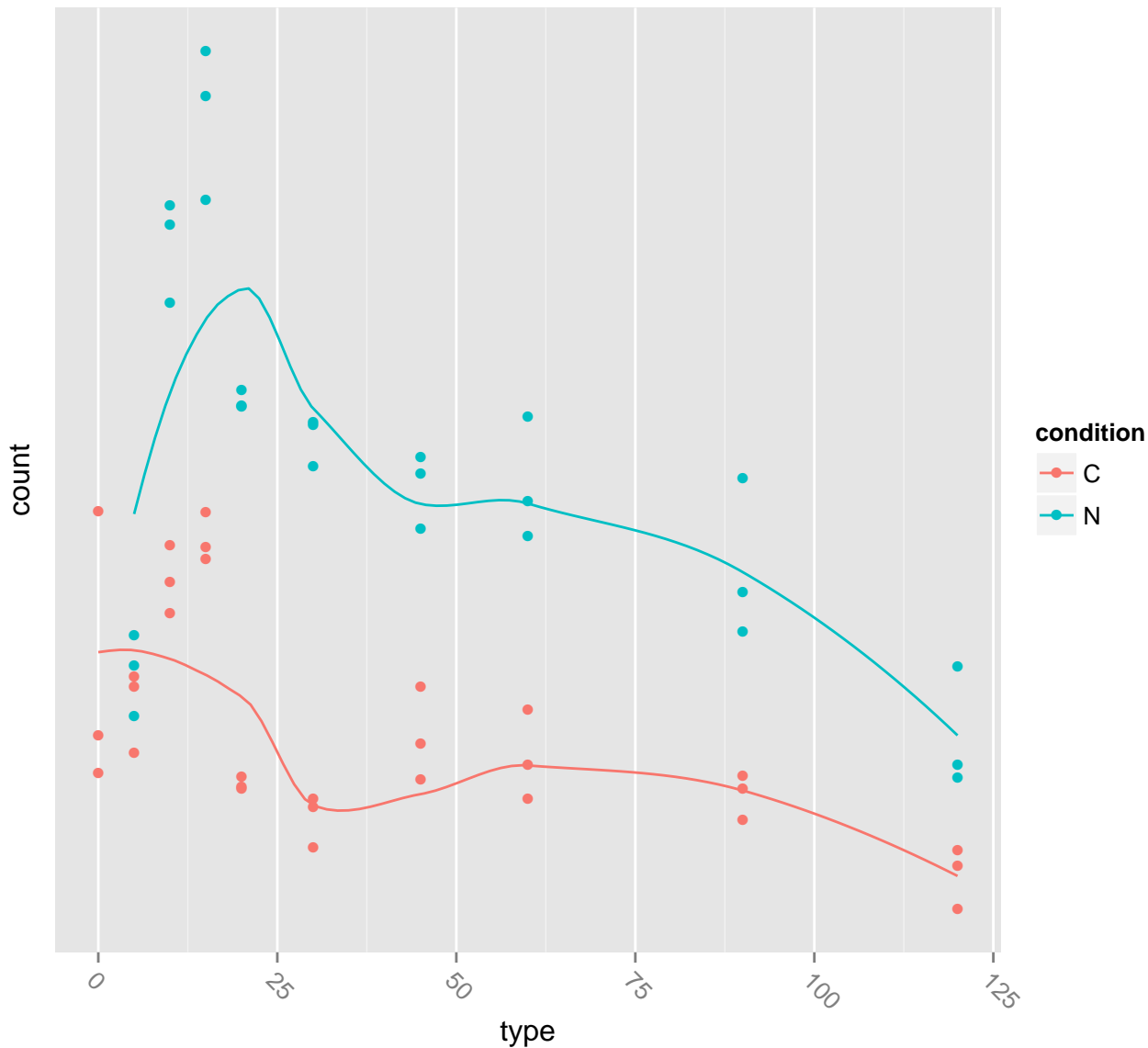
# AT5G54970

; Has 1807 Blast hits to 1807 proteins in 277 species: Archae - 0; Bacteria - 0; Metazoa



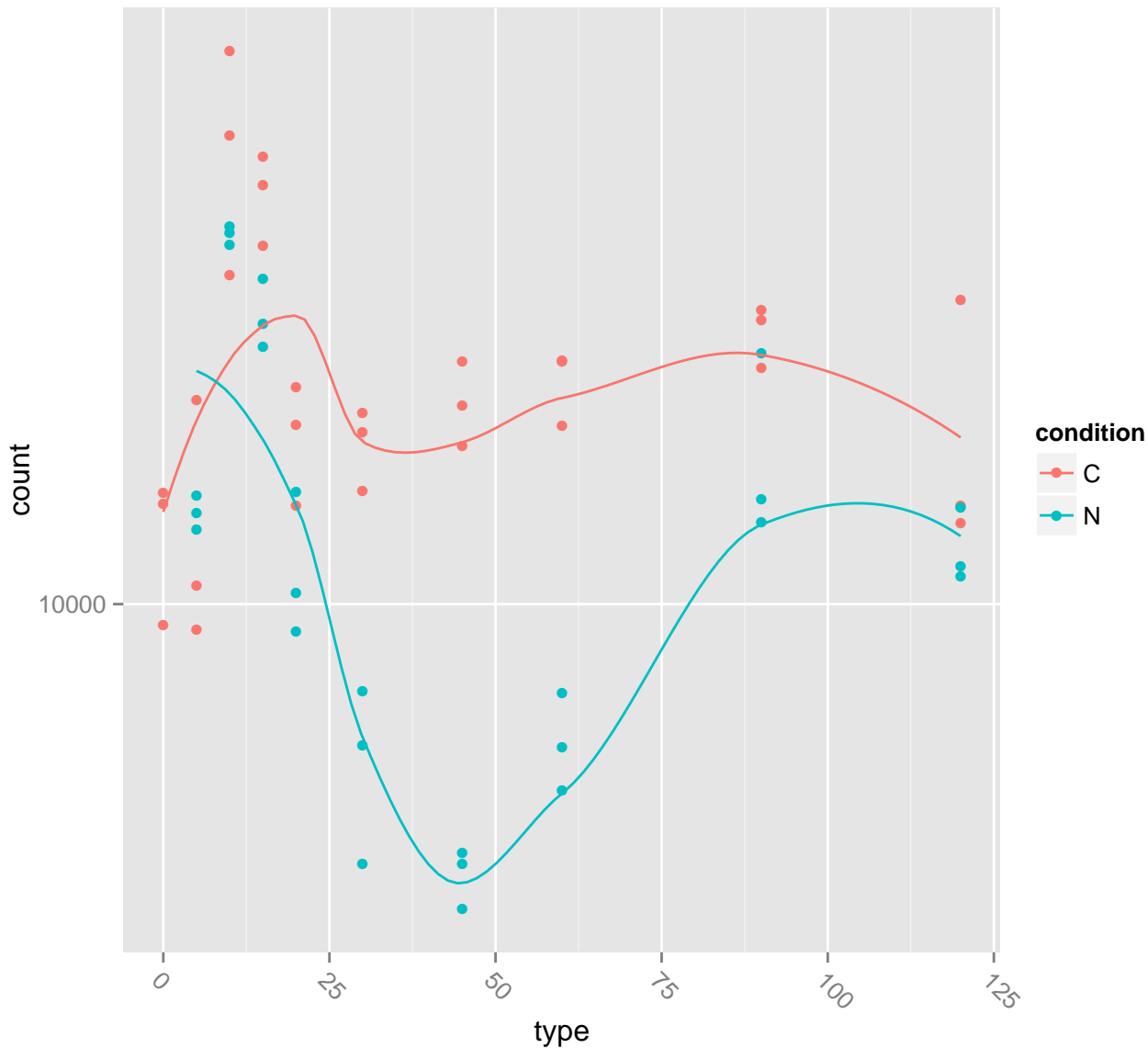
# AT1G12820

*"AFB3, auxin signaling F-box 3"*



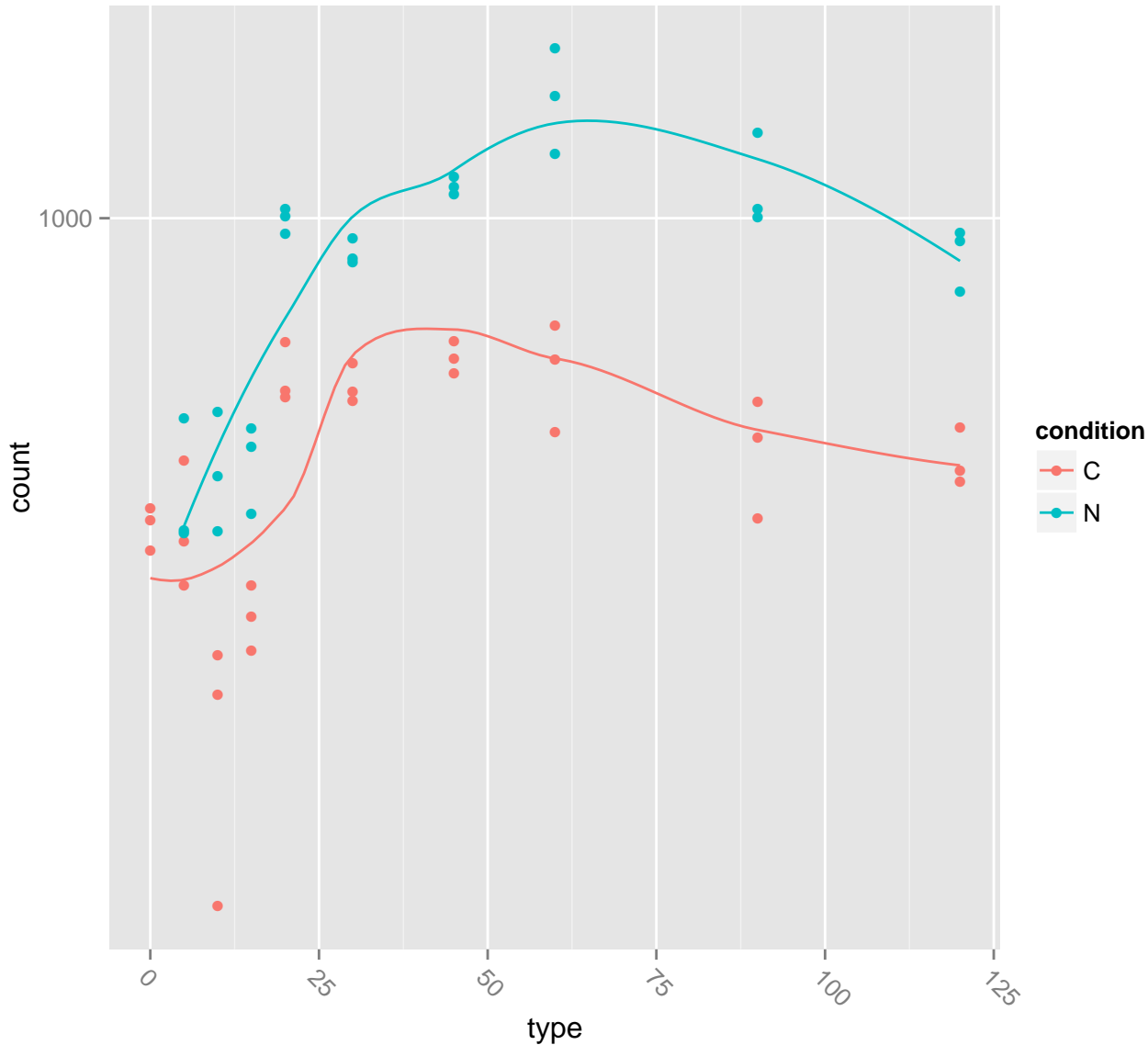
# AT1G76990

*"ACR3, ACT domain repeat 3"*



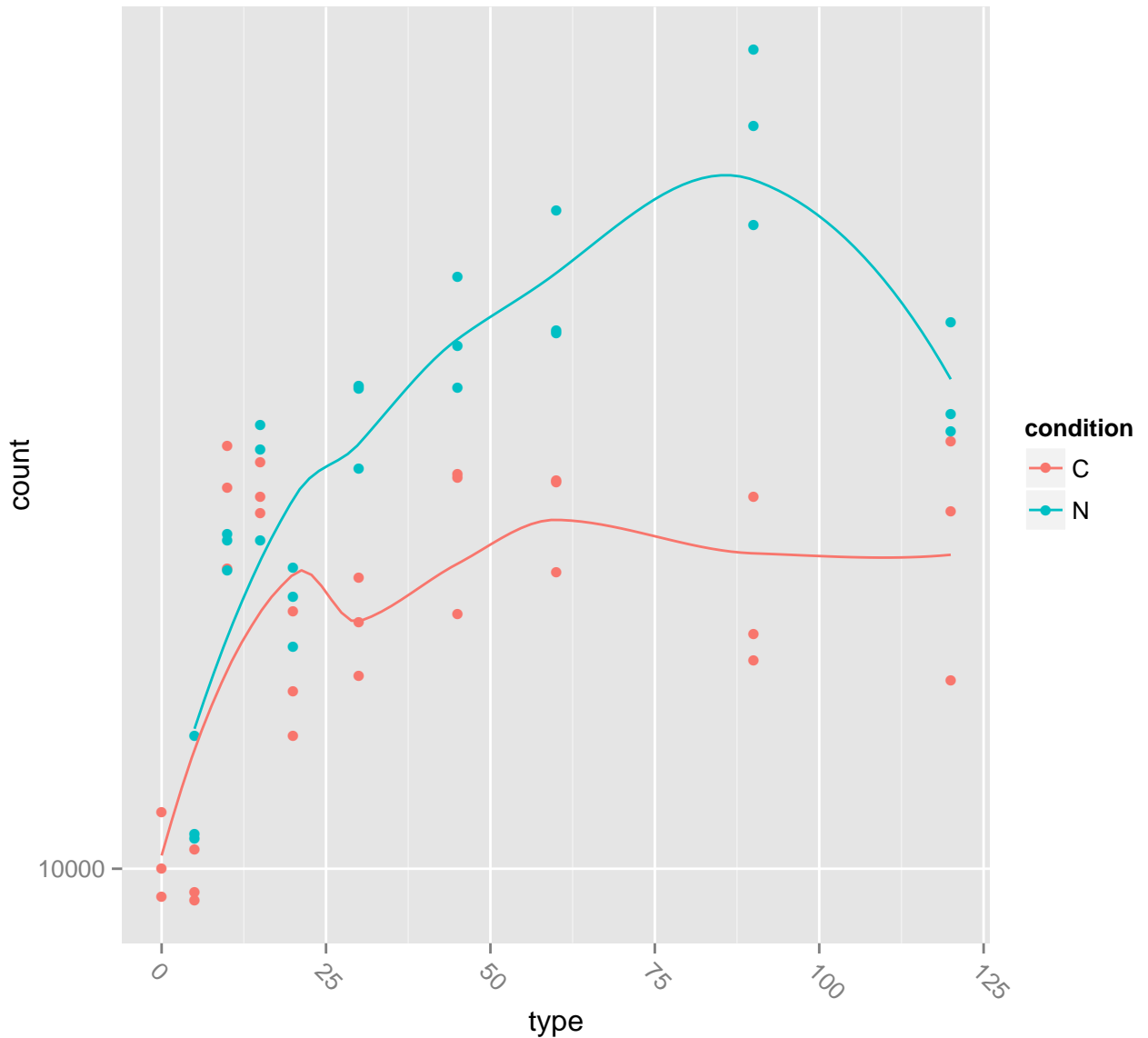
# AT3G61590

*"HS, HWS, Galactose oxidase/kelch repeat superfamily protein"*



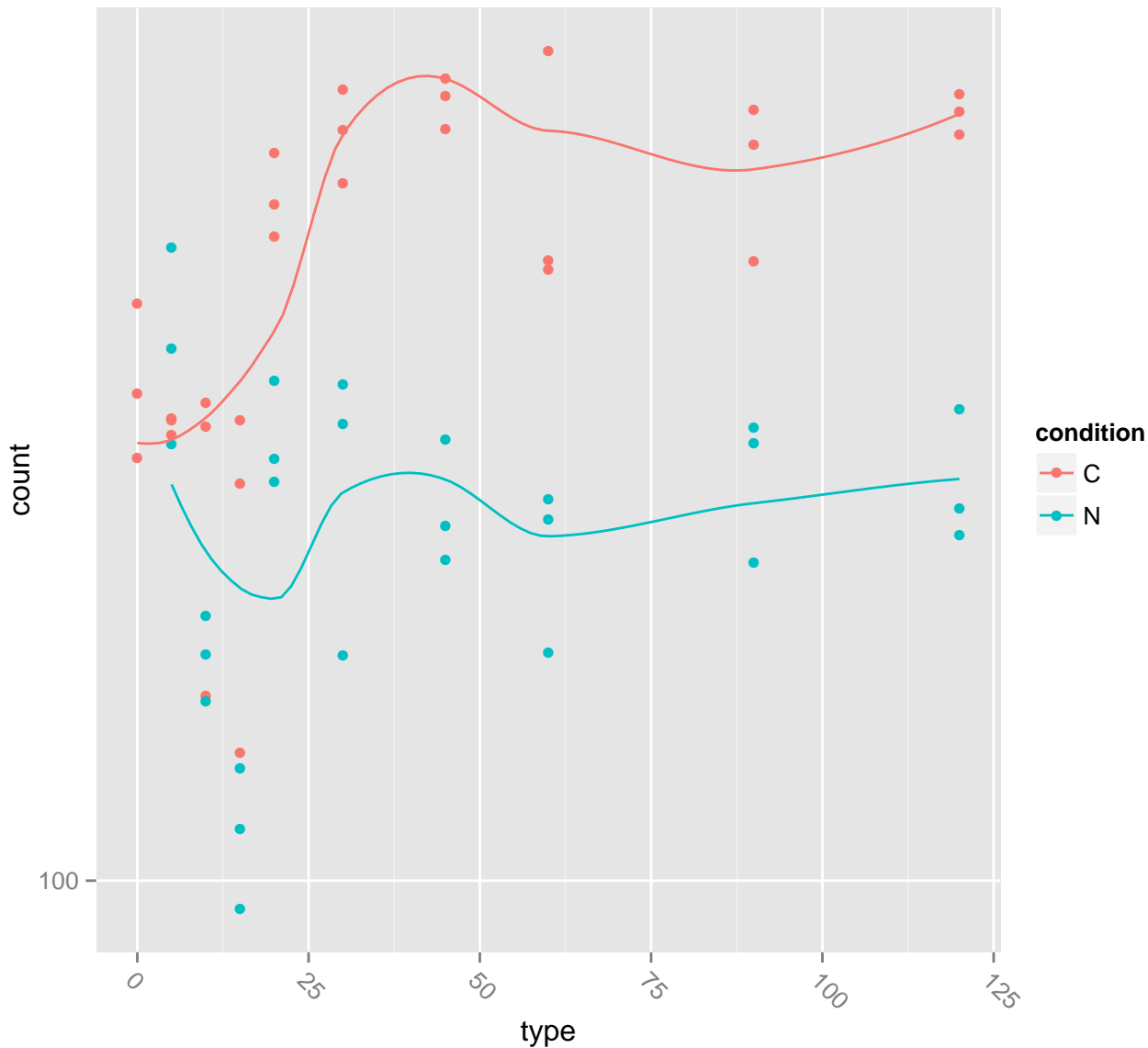
# AT4G26970

"ACO2, aconitase 2"



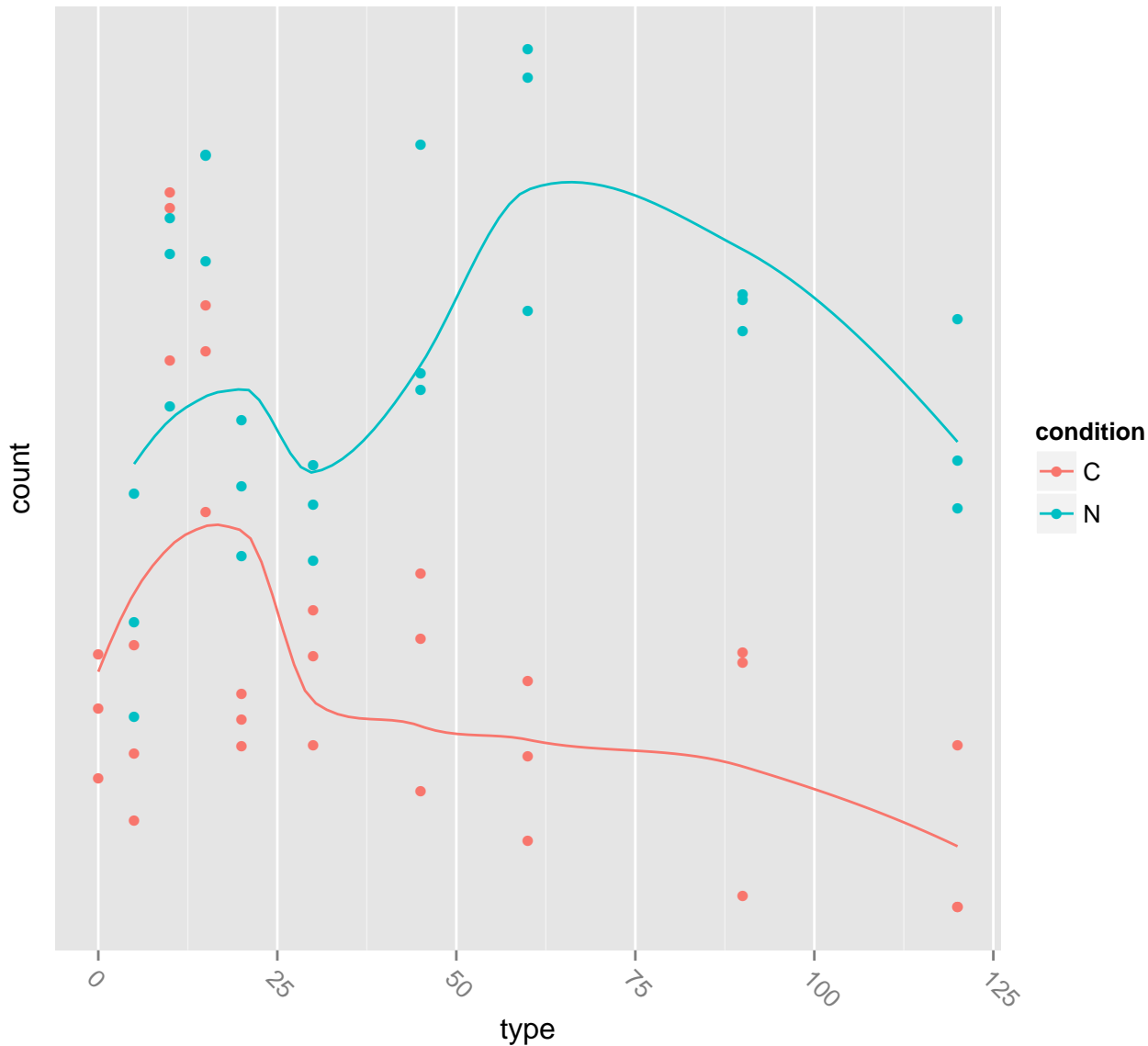
# AT3G29680

*HXXXD-type acyl-transferase family protein*



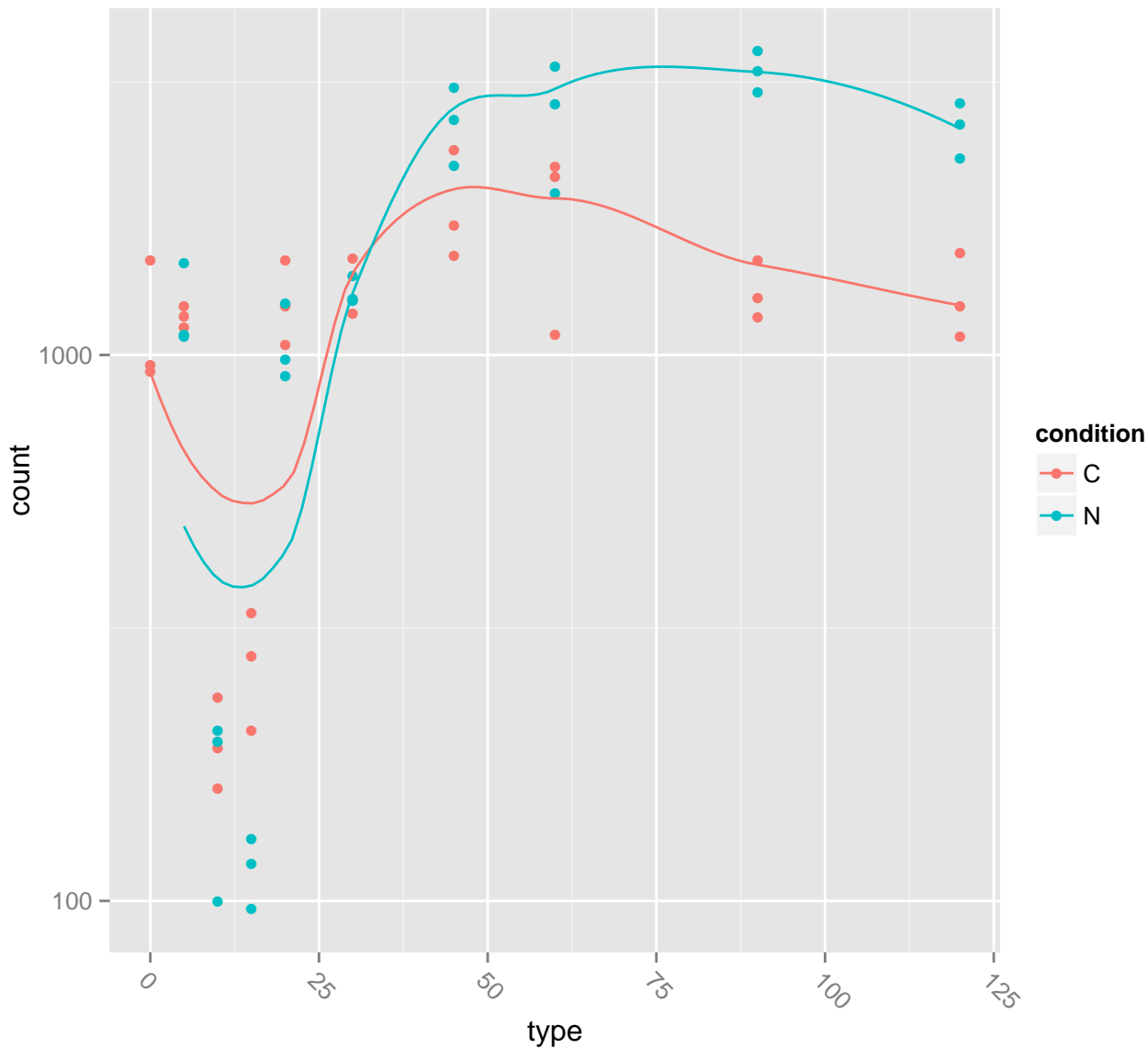
# AT5G42150

*Glutathione S-transferase family protein*



# AT1G44050

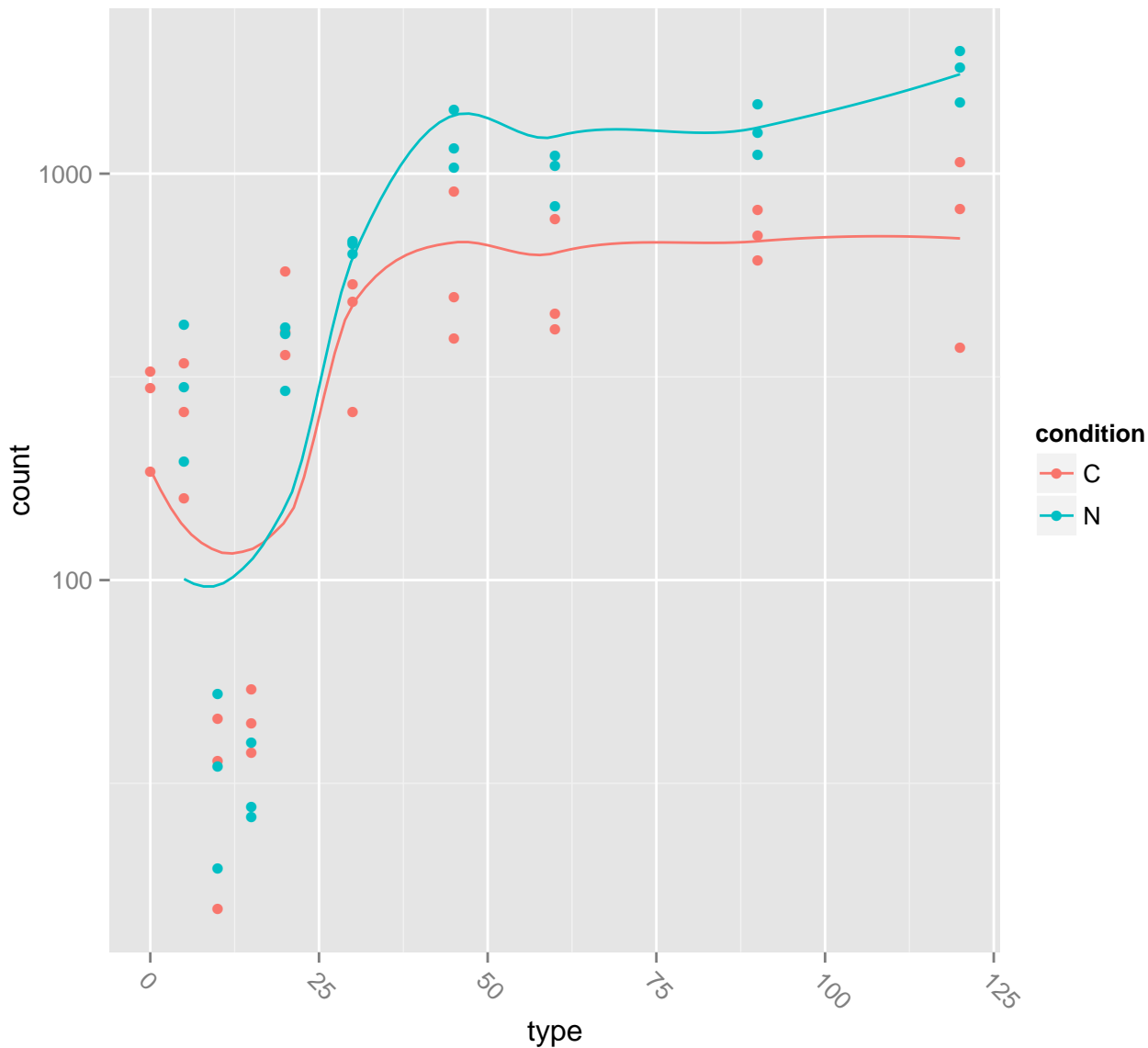
*Cysteine/Histidine-rich C1 domain family protein*





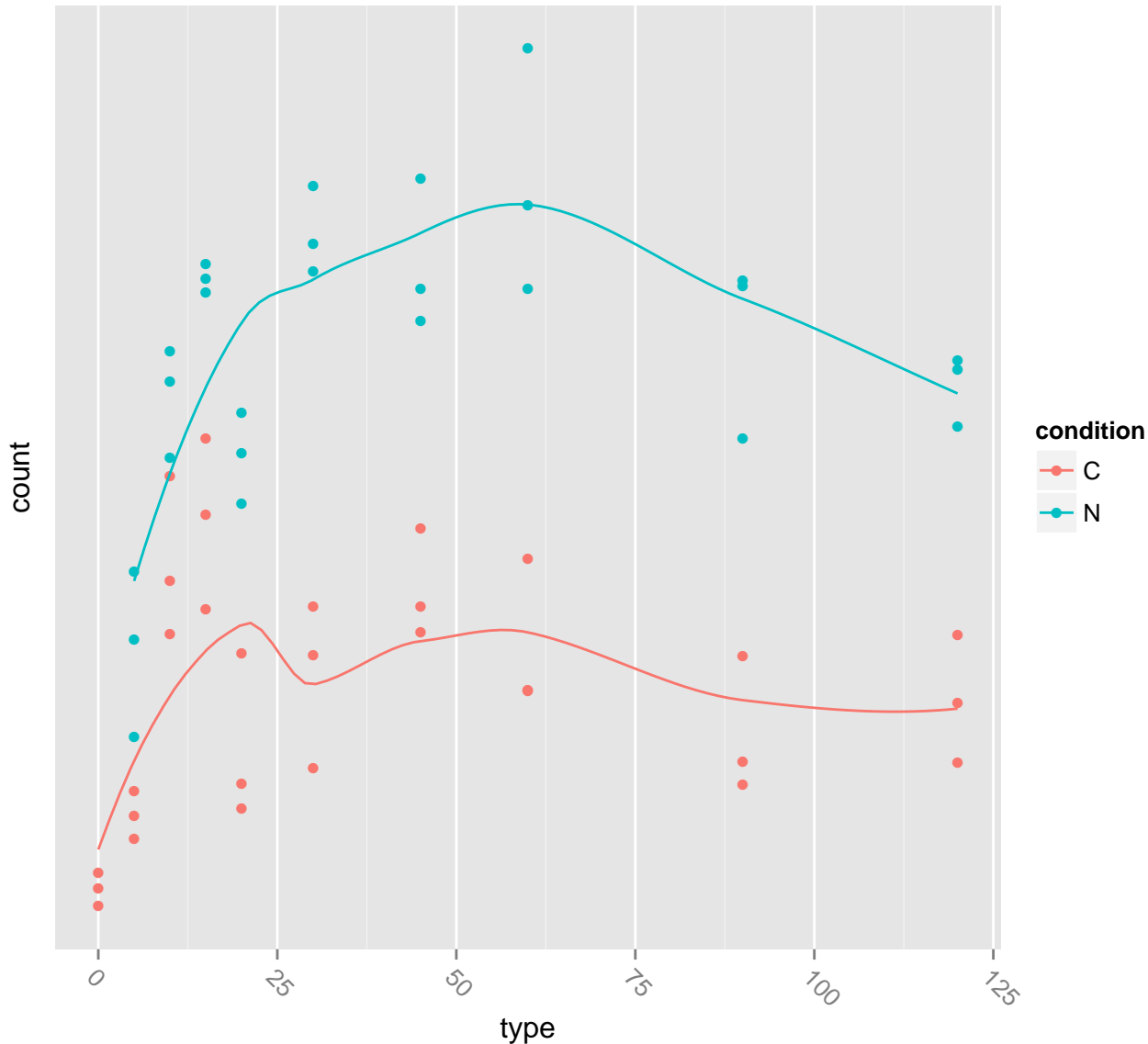
# AT1G15630

610.1); Has 122 Blast hits to 122 proteins in 14 species: Archae – 0; Bacteria – 0; Metaz



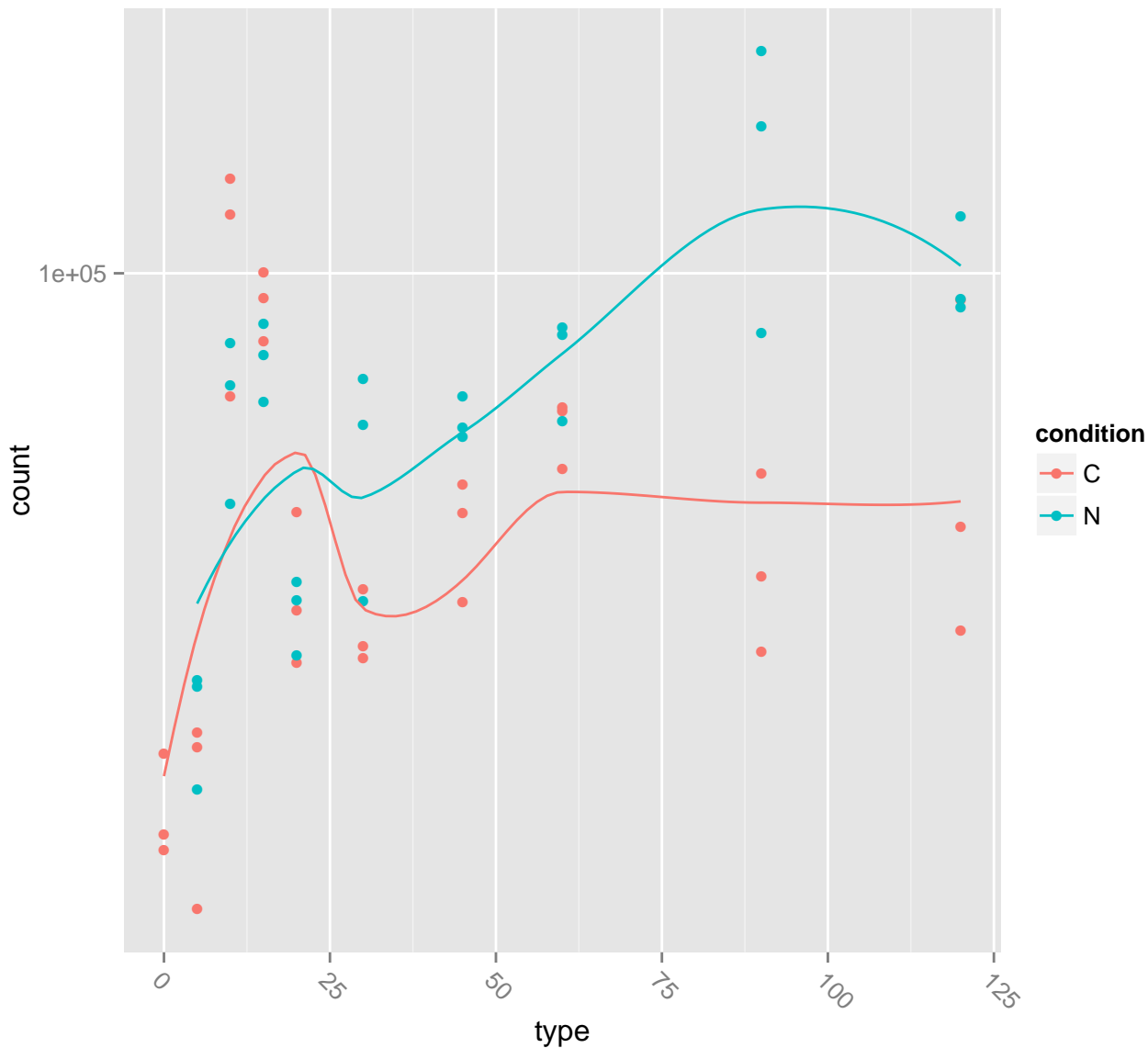
# AT3G50900

490.1); Has 45 Blast hits to 45 proteins in 7 species: Archae – 0; Bacteria – 0; Metazoa



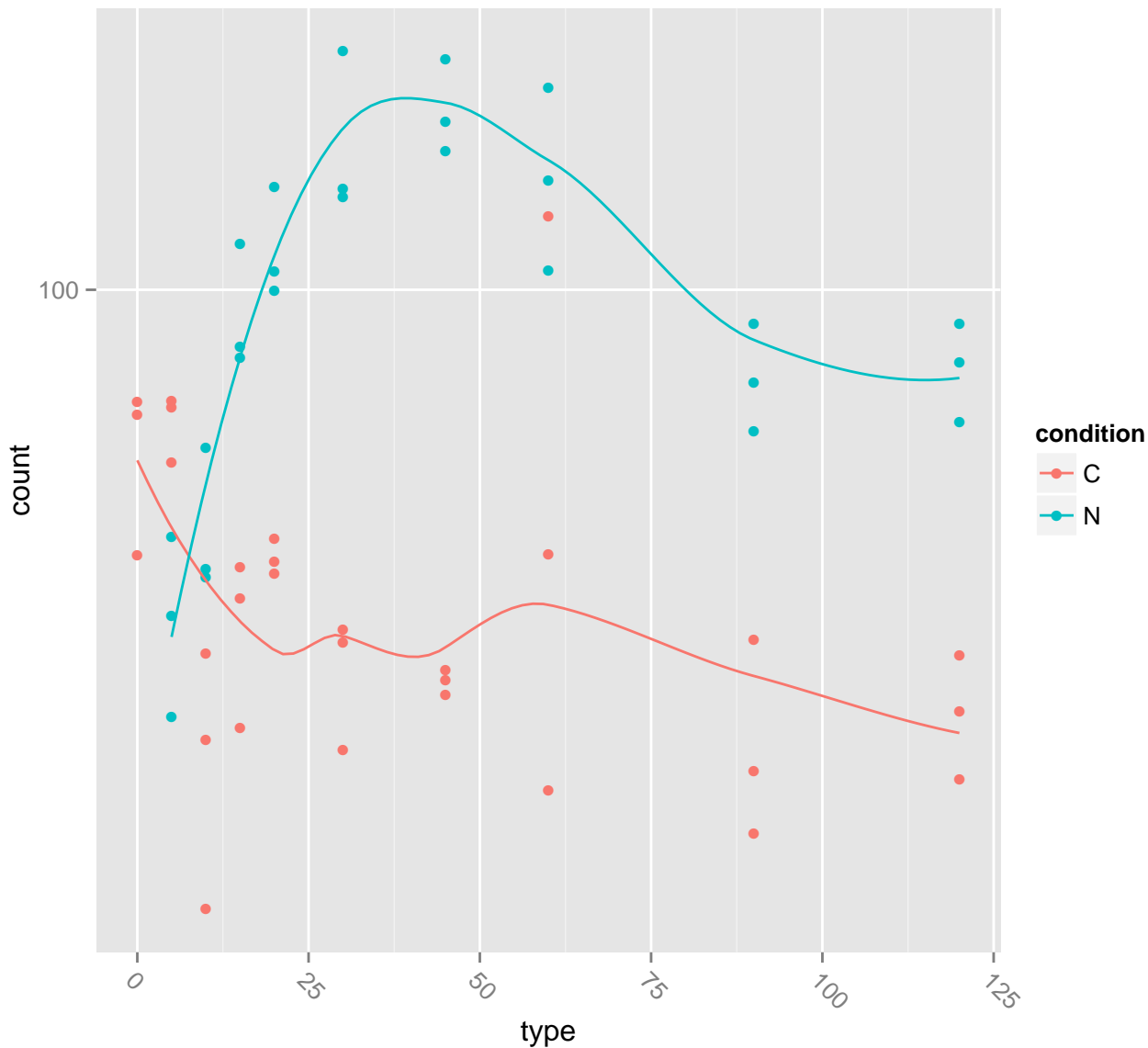
# AT1G66200

*"ATGSR2, GSR2, glutamine synthase clone F11"*



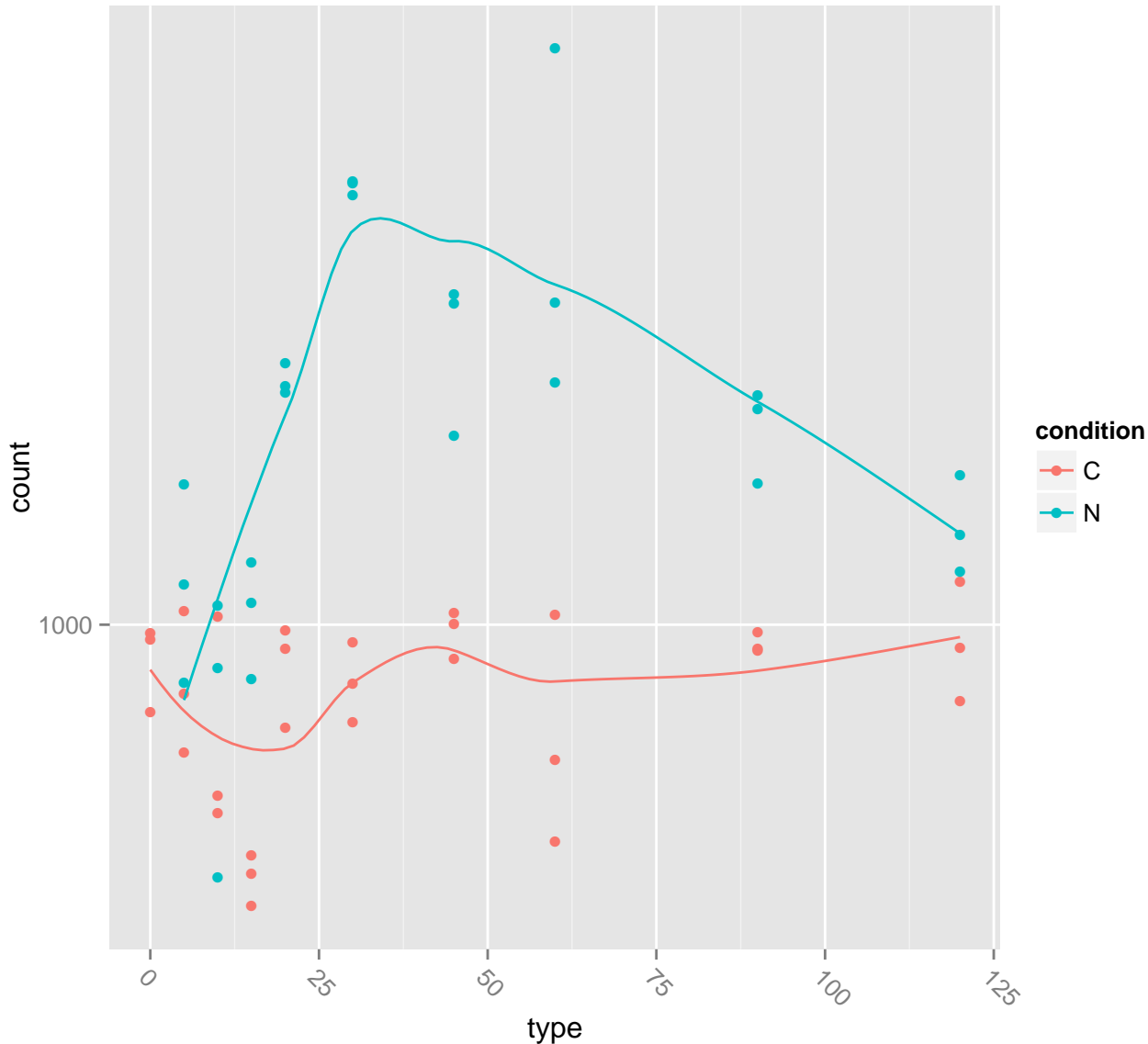
# AT5G66520

*Tetratricopeptide repeat (TPR)-like superfamily protein*



# AT3G22530

*DURING: 15 growth stages; BEST Arabidopsis thaliana protein match is: unknown prote*



# AT4G13620

*Integrase-type DNA-binding superfamily protein*

