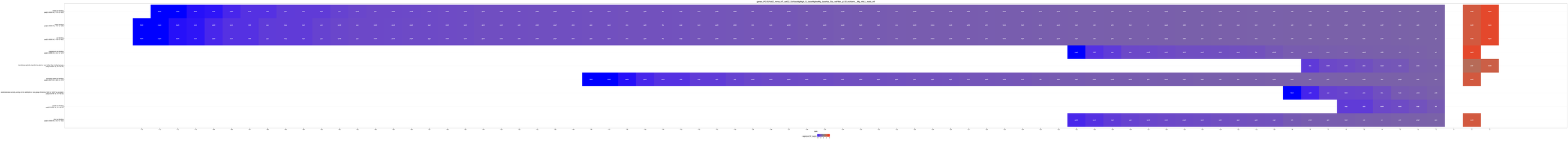

copA ribB ppa ppx poxB metK glcB aceE ubiA speA fbp glmM eno mobA prsA ppsA ugpQ aldB ptsI dos gcl mgtA

yqhD secA slyD ycjI rpmE metH pepN rpoH astE glpK ygiD argE tdh yhdH gltX htpX cdd crr prlC ybgR clpX metE

fdoH astD asd fdhD aldA thrL feaB adhE aldB

ribC metH metK ubiA sspA cyoE aroG thiJ aroF metB

fdoH copA dadA otsA yqhD secA ribB ppa map slyD ycjI rpmE ppx metH poxB pepN glgX metK rpoH glcB aceE astE ydbK pepP ubiA glpK speA yleA ygiD fbp argE iscU yadR sdhB trkG iscA glmM tdh ppnK ycgM fadH ispG eno yhdH mobA cyoB adhE gltX fumA htpX prsA ppsA ispH cdd gltS lipA crr ugpQ aldB ptsI cydA araA torZ prlC sufI nrdB dos ybgR katE putP clpX yjcE gcl metE mgtA

fdoH copA dadA otsA yqhD secA ribB ppa map slyD ycjI rpmE ppx metH poxB pepN glgX metK rpoH glcB aceE astE ydbK pepP ubiA glpK speA yleA ygiD fbp argE iscU yadR sdhB trkG iscA glmM tdh ppnK ycgM fadH ispG eno yhdH mobA cyoB adhE gltX fumA htpX prsA ppsA ispH cdd gltS lipA crr ugpQ aldB ptsI cydA araA torZ prlC sufI nrdB dos ybgR katE putP clpX yjcE gcl metE mgtA

fdoH copA dadA otsA yqhD secA ribB ppa map slyD ycjI rpmE ppx metH poxB pepN metK rpoH glcB aceE astE ydbK pepP ubiA glpK speA yleA ygiD fbp argE iscU yadR sdhB trkG iscA glmM tdh ppnK ycgM fadH ispG eno yhdH mobA cyoB adhE gltX fumA htpX prsA ppsA ispH cdd gltS lipA crr ugpQ aldB ptsI cydA araA torZ prlC sufI nrdB dos ybgR katE putP clpX yjcE gcl metE mgtA

fdoH copA dadA yqhD secA ribB map slyD ycjI rpmE metH pepN metK rpoH astE ydbK pepP glpK yleA ygiD argE iscU yadR sdhB iscA tdh fadH ispG yhdH cyoB adhE gltX fumA htpX ispH cdd lipA crr cydA araA torZ prlC sufI nrdB dos ybgR katE clpX metE

map slyD metH metK argE tdh

zinc ion binding
padj:0.03038 N(−21/ +1/ 152)

cobalt ion binding
padj:0.01858 N(−6/ +0/ 22)

oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor
padj:0.00796 N(−9/ +0/ 33)

transition metal ion binding
padj:0.00478 N(−48/ +1/ 473)

transferase activity, transferring alkyl or aryl (other than methyl) groups
padj:0.00354 N(−8/ +2/ 34)

magnesium ion binding
padj:0.00060 N(−21/ +1/ 147)

ion binding
padj:0.00000 N(−73/ +2/ 641)

cation binding
padj:0.00000 N(−73/ +2/ 639)

metal ion binding
padj:0.00000 N(−72/ +2/ 625)

− 73 −72 −71 −70 −69 −68 −67 −66 −65 −64 −63 −62 −61 −60 −59 −58 −57 −56 −55 −54 −53 −52 −51 −50 −49 −48 −47 −46 −45 −44 −43 −42 −41 −40 −39 −38 −37 −36 −35 −34 −33 −32 −31 −30 −29 −28 −27 −26 −25 −24 −23 −22 −21 −20 −19 −18 −17 −16 −15 −14 −13 −12 −11 −10 −9 −8 −7 −6 −5 −4 −3 −2 −1 0 1 2

rank

−4 −2 0 2 4

−sign(cor)*P_log10

genes_P0.05Fold2_mrna_trT_set02_StcNasMglMgh_S_baseMglowMg_baseNa_Sta_noFilter_p1Sf_noNorm__Mg_mM_Levels_mf