

| GO term | p value |
|--|-----------|
| Biological processes upregulated in Polμ^{-/-} | |
| porphyrin metabolism | 0,0000000 |
| heme metabolism | 0,0000000 |
| pigment metabolism | 0,0007000 |
| glutamine family amino acid catabolism | 0,0007000 |
| amino acid metabolism | 0,0015000 |
| cellular physiological process | 0,0015000 |
| secondary metabolism | 0,0016000 |
| amino acid catabolism | 0,0035000 |
| lipoprotein metabolism | 0,0039000 |
| regulation of cholesterol absorption | 0,0045000 |
| arginine catabolism | 0,0045000 |
| heparan sulfate proteoglycan biosynthesis | 0,0045000 |
| amino acid and derivative metabolism | 0,0049000 |
| cellular protein metabolism | 0,0060000 |
| tRNA aminoacylation for protein translation | 0,0068000 |
| tRNA aminoacylation | 0,0068000 |
| amino acid activation | 0,0068000 |
| cholesterol absorption | 0,0074000 |
| lipid digestion | 0,0074000 |
| negative regulation of axon extension | 0,0074000 |
| negative regulation of axonogenesis | 0,0074000 |
| heparan sulfate proteoglycan metabolism | 0,0074000 |
| amine metabolism | 0,0079000 |
| amine catabolism | 0,0082000 |
| nitrogen compound catabolism | 0,0082000 |
| cellular macromolecule metabolism | 0,0088000 |
| Biological processes downregulated in Polμ^{-/-} | |
| antigen presentation | 0,0002000 |
| antigen presentation, endogenous antigen | 0,0003000 |
| lipid metabolism | 0,0006000 |
| antigen presentation, peptide antigen | 0,0008000 |
| renin-angiotensin regulation of aldosterone production | 0,0012000 |
| angiotensin mediated regulation of renal output | 0,0012000 |
| renal response to blood flow during renin-angiotensin regulation | 0,0012000 |
| electron transport | |
| steroid metabolism | 0,0012000 |
| generation of precursor metabolites and energy | 0,0019000 |
| antigen processing | 0,0023000 |
| Golgi vesicle transport | 0,0026000 |
| renin-angiotensin regulation of body fluid levels | 0,0033000 |
| cellular lipid metabolism | 0,0036000 |
| antigen processing, endogenous antigen via MHC class I | 0,0037000 |
| regulation of body fluids | 0,0043000 |
| localization | 0,0044000 |
| establishment of localization | 0,0065000 |
| brain renin-angiotensin system | 0,0068000 |
| renal blood volume regulation of blood pressure | 0,0071000 |
| antigen presentation, exogenous antigen via MHC class II | 0,0071000 |
| reproductive organismal physiological process | 0,0075000 |
| reproductive physiological process | 0,0094000 |
| antigen presentation | 0,0094000 |

Table S1