Table S4 Analysis with DAVID bioinformatics resources: Analysis of the 206 proteinuria oriented co-occurring genes

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Term | Count | % | P Value | Genes | List Total | Pop Hits | Pop Total | Fold Enrichment | Bonferroni | Benjamini | FDR |
| KEGG\_PATHWAY | hsa03010:Ribosome | 9 | 4.663212435 | 3.88E-05 | RPL18,RPL19,RPL18A,RPL9,RPL3,RPS10,RPL38,RPS2,RPS8 | 77 | 87 | 5085 | 6.831616659 | 0.003560681 | 0.003560681 | 0.042348908 |
| KEGG\_PATHWAY | hsa04060:Cytokine-cytokine receptor interaction | 10 | 5.18134715 | 0.015368276 | LIF,TNFRSF9,IL3,IL2RB,CCR6,TNF,CXCR5,TNFRSF4,IL17RB,FLT3LG | 77 | 262 | 5085 | 2.520571032 | 0.759457498 | 0.509548676 | 15.56593877 |
| KEGG\_PATHWAY | hsa04640:Hematopoietic cell lineage | 5 | 2.590673575 | 0.03896913 | IL3,TNF,ITGA3,CD5,FLT3LG | 77 | 86 | 5085 | 3.839474479 | 0.974187201 | 0.704463107 | 35.22485845 |
| KEGG\_PATHWAY | hsa00260:Glycine, serine, and threonine metabolism | 3 | 1.554404145 | 0.077608508 | CHDH,SHMT2,AOC3 | 77 | 31 | 5085 | 6.390867197 | 0.999408157 | 0.844026206 | 58.62809428 |
| KEGG\_PATHWAY | hsa05010:Alzheimer's disease | 6 | 3.10880829 | 0.095635794 | TNF,NDUFA6,COX4I2,ATP5F1,ITPR3,CAPN2 | 77 | 163 | 5085 | 2.430882001 | 0.999903708 | 0.842703913 | 66.65284954 |

Table S5 Analysis with DAVID bioinformatics resources: Analysis of the 58 disease-related co-occurring genes

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Term | Count | % | P Value | Genes | List Total | Pop Hits | Pop Total | Fold Enrichment | Bonferroni | Benjamini | FDR |
| KEGG\_PATHWAY | hsa04510:Focal adhesion | 5 | 0.326370757 | 0.07695447 | CCND3,PIP5K1C,ZYX,ITGB3,PPP1CB | 42 | 201 | 5085 | 3.011727079 | 0.998475691 | 0.998475691 | 57.40373944 |