Appendix 2. Summary of gene set enrichment analysis with differentially methylated genes according to *Chlamydophila psittaci* infection in ocular adnexal mucosa-associated lymphoid tissue lymphoma

|  |  |  |  |
| --- | --- | --- | --- |
| Annotation category by biological processes | Number of involved genes in the category | Number of total genes in the category | *\*p* - value |
| Immunity and defense | 38 | 2345 | 8.69E-07 |
| Signal transduction | 61 | 6249 | 0.00134 |
| Lipid, fatty acid, and steroid metabolism | 17 | 1283 | 0.01301 |
| Homeostasis | 7 | 301 | 0.01692 |
| Blood circulation and gas exchange | 5 | 145 | 0.01756 |
| Neuronal activities | 13 | 900 | 0.01895 |
| Sensory perception | 9 | 508 | 0.02227 |
| Coenzyme and prosthetic group metabolism | 6 | 266 | 0.03492 |
| Annotation category by molecular function |  |  |  |
| Receptor | 37 | 2004 | 5.75E-08 |
| Ion channel | 14 | 543 | 9.35E-05 |
| Extracellular matrix | 10 | 514 | 0.00844 |
| Signaling molecule | 16 | 1180 | 0.01368 |
| Defense and immunity protein | 9 | 493 | 0.01906 |
| Transfer and carrier protein | 8 | 444 | 0.03136 |

*\**Analyzed by modified one-tail Fisher exact test