Appendix 4. Summary of gene set enrichment analysis with differentially methylated genes according to response to doxycycline 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 |
| Signal transduction | 6249 | 242 | 9.20E-08 |
| Developmental processes | 3771 | 155 | 2.22E-06 |
| Neuronal activities | 900 | 51 | 1.01E-05 |
| Cell adhesion | 856 | 45 | 0.00018 |
| Immunity and defense | 2345 | 93 | 0.00113 |
| Oncogenesis | 712 | 34 | 0.00521 |
| Homeostasis | 301 | 18 | 0.00727 |
| Apoptosis | 825 | 36 | 0.01406 |
| Transport | 2119 | 75 | 0.03827 |
| Annotation category by molecular function |  |  |  |
| Receptor | 2004 | 102 | 2.76E-08 |
| Transcription factor | 2709 | 110 | 0.00015 |
| Extracellular matrix | 514 | 30 | 0.00057 |
| Cell adhesion molecule | 542 | 31 | 0.00062 |
| Ion channel | 543 | 26 | 0.01481 |
| Defense/immunity protein | 493 | 24 | 0.01652 |
| Signaling molecule | 1180 | 46 | 0.02999 |

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