Table S2. The primers list for mRNA expression, chromatin compaction and DNA methylation*.*

|  |  |  |  |
| --- | --- | --- | --- |
| Gene | Forward primer | Reverse primer | Comment |
| TLR4 | CTGAGAACCGAGAGCTGGGAC | TTCGCATCTGGATAAATCCAGC | mRNA |
| GPR41 | CGGACTTGATCTGGAGGAGC | GTGAAGAAGAGGAACCTGGAG | mRNA |
| GPR43 | GGAGAGGTGGAGAAGAATTTG | CAGACGTGGCTTCGATGATC | mRNA |
| IL-1α | GATGATGACCTGGAAGCCATTG | GCTGAGAATCCTCTTCTGATAC | mRNA |
| IL-1β | CCGTGATGATGACCTGAGGAG | CAAGACAGGTATAGATTCTTGTC | mRNA |
| IL-6 | CGAAGCTCTCATTAAGCACATC | CCAGGTATATCTGATACTCCAG | mRNA |
| TNF-α | CAACAGGCCTCTGGTTCAGAC | GGACCTGCGAGTAGATGAGG | mRNA |
| IL-8 | CTGAGAGTTATTGAGAGTGGGC | CAGTACTCAAGGCACTGAAGTAG | mRNA |
| IL-10 | GTGATGCCACAGGCTGAGAAC | GAAGATGTCAAACTCACTCATGG | mRNA |
| CCL5 | CTACACCAGCAGCAAGTGCT | CAAGCTGCTTAGGACAAGAGG | mRNA |
| CCL20 | GAAGCAGCAAGCAGCTTTGAC | GTTCCATTCCAGGGAGCATC | mRNA |
|  |  |  |  |
| TLR4 | CATAACAGCACTTCAAGGTAC | GGAAGCTGCTATGCATTAGAT | chromatin compaction |
| GPR41 | CTGTCTCTACAGATCTGCCTAC | CCGAACATTACCTGGTGTCCATC | chromatin compaction |
| GPR43 | GTTTCCTCAGCTGTGTGTTTCAG | CATGTAATGGATGCCCGTAAG | chromatin compaction |
|  |  |  |  |
| TLR4 | GCTTTGTCTATGCAGTCACTT | CAGTCCCTGCTCCAGGAAGAT | DNA methylation |
| GPR41 | CTGTCTCTACAGATCTGCCTAC | CCGAACATTACCTGGTGTCCATC | DNA methylation |
| GPR43 | GCATTTCACTTCACTTCACCACG | CCACTCGCCCAGAGATCCTCAC | DNA methylation |