**Supplementary Table 2**

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| --- | --- | --- | --- | --- | --- |
| Gene | Acc.Nr. | Primer Name | sequence 5' → 3' | Primer Position (TSS=1) | Efficiency (%) |
| *IL12RB1* | GRCh37:19:18170371-18197679:-1 | IL12RB1\_ChIP\_SP1  IL12RB1\_ChIP\_RP1 | TGCCTTAGGGATGGGCTGTG  GTCCCCACTCCGGAACACAT | -21  -118 | 105,6 |
| *IL17A* | GRCh37:6:52051185:52055436:1 | IL17A\_ChIP\_SP3  IL17A\_ChIP\_RP3 | GACCATGAGCTGGAGCCTGT  TGGGGGAAGTAGGAGTGGCA | -28731  -28639 | 107,1 |
| *IL18R1* | GRCh37:2:102927989:103015218:1 | IL18R1\_ChIP\_SP1  IL18R1\_ChIP\_RP1 | AGAAGGCATTCTGTCCATGTCCT  CTCCAGTGACTCTCGGGTGC | 4315  4412 | 106,7 |
| *IL1R1* | GRCh37:2:102770402:102796334:+1 | IL1R1\_ChIP\_SP4  IL1R1\_ChIP\_RP4 | TCATGATTTTGTGGGTTGATGAGGC  GTGGCTGTCTGGCTACAACTG | -16611  -16532 | 107,6 |
| *IL22* | GRCh37:12:68642025:68647281:-1 | IL22\_ChIP\_SP1  IL22\_ChIP\_RP1 | CCCCCATACAACACCAGAGCA  GCCCCTGATGGACCAAGCAT | -2959  -3073 | 91,6 |
| *IL23R* | GRCh37:1:67632169:67725650:+1 | IL23R\_ChIP\_SP1  IL23R\_ChIP\_RP1 | GGTCAGGGCTCTGCTGACAT  TTCCTCACTGCCTGCCTGTC | -98  -20 | 86,3 |
|  |  | IL23R\_ChIP\_SP4 | TCTGCCGATGGCTGCTTAGAA | 5487 |  |
|  |  | IL23R\_ChIP\_RP4 | AGCTTGAATCCAGGGGTTTGAGTA | 5636 | 118 |
| *IL26* | GRCh37:12:68595129:68619571:-1 | IL26\_ChIP\_SP1  IL26\_ChIP\_RP1 | AGGGAAGTACCAGATAAGACTTGGT  ACCACAGATGCAGCAGTAGAGA | -5598  -5671 | 91,9 |
| *IL4R* | GRCh37:16:27325230:27376099:+1 | IL4R\_ChIP\_SP1  IL4R\_ChIP\_RP1 | TTCATCCTCTTCGGTGTGATGCT  GCGGGAAAGCACCCAAAGAT | 4243  4319 | 116,6 |
|  |  | IL4R\_ChIP\_SP3 | GCGTCCGTTCTTGCCTTTCC | 4645 |  |
|  |  | IL4R\_ChIP\_RP3 | TGGCTTTAGCGCAGACCTCA | 4791 | 99,5 |
| Refe-rence | GRCh37:4:58100351-58100438 | REF\_chr4\_SP1  REF\_chr4\_RP1 | TGCAGGGGCAAGCATATTCA  GGAGATAAAGCTGGGCGACA | na | 94,4 |
| Refe-rence | GRCh37:12:38676107-38676214 | Ref\_chr12\_SP3  Ref\_chr12\_RP3 | TGCCTTAGTTTTGTTGGTCCT  GTTGGGAGAAAAATGCACGGTTA | na | 101,4 |

**Primers used for ChIP analyses were:**