

Supplemental Table 2. List of primers.

| Amplicon | Forward sequence (5' -> 3') | Reverse sequence (5' -> 3') | Experiment type |
|-----------------|---------------------------------------|---------------------------------------|------------------------|
| OSMR | GGTATTGGGACACCTCAAAC | CATTAGGTATTAGGTATTTAGAG | ChIP |
| IL31-RA | GACACAGTACTCACAGTCAC | GGATGAGTGCTGTCTTGTG | ChIP |
| IL-31 | GAGTTCAACACTAGCCAGGTC | CTACCTTGTGAGCTGGTGAG | ChIP |
| IL-33 | CGCACCTCCTCGAAGTTGTCAAC | CTCCTAAGCGGAAAGCAGTCGC | ChIP |
| K14 | CCTCAGCTCCATAGACCCCTG | AACAGTGCAGGAGCCTCAGCG | ChIP |
| Cst10 | GTCAGGCTACACTTCTGCTG | GTGCAGGGCCTATCTCTAC | ChIP |
| Control | GCCCCAACCAAGAAGACTAC | ATGTGAGTGCAACAATGGAA | ChIP |
| OSMR | GTTGATTCATAGCTGGGGCGC | GGAGGAAGGCTGGATGAAGGAC | qRT-PCR |
| IL-33 | GGCAAAGTTCAGCAGCACCGCAG | GGCCAGAACGGAGTCTCATGCAG | qRT-PCR |
| IL-25 | CCTTGGAGCTATGAGTTGGAC | GTCTGTAGGCTGACGCAG | qRT-PCR |
| TSLP | CCTTCACTCCCCGACAAAAC | CCGTCATTTCTCTCAGTTTCAG | qRT-PCR |
| IL-4 | GCATTTTGAACGAGGTCACAG | TGGAAGCCCTACAGACGAG | qRT-PCR |
| IL-5 | CACCGAGCTCTGTTGACAAGC | GAGTAGGGACAGGAAGCCTCATC | qRT-PCR |
| IL-13 | GCCGGTGCCAAGATCTGTGTC | CTCCATACCATGCTGCCGTTG | qRT-PCR |
| CCL17 | CAGGAAGTTGGTGAGCTGG | GACAGTCAGAAACACGATGG | qRT-PCR |
| CCL22 | CTGATGCAGGTCCCTATGG | CAGAGGGTGACGGATGTAG | qRT-PCR |
| IL-31 | CACACAGGAACAACGAAGCC | CGATATTGGGGCACCGAAG | qRT-PCR |
| IL-31ra | GTGACTGCTCCAACCTTTGCC | CACCCAGAGGCTGTTATTC | qRT-PCR |
| CXCL9 | CTTCCTGGAGCAGTGTGGAGTTTCG | GGGCTTGGGGCAAACCTGTTTGAG | qRT-PCR |
| CXCL10 | GTGCTGCCGTCATTTTCTGCCTC | CTCATTCTCACTGGCCCGTCATC | qRT-PCR |
| IL-1 β | CCTCTCCAGCCAAGCTTCCTTGTG | GCAGCCCTTCATCTTTTGGGGTCC | qRT-PCR |

| | | | |
|---------------------|----------------------------|---------------------------|---------|
| INF γ | GCCACGGCACAGTCATTGAAAGCC | GGCTCTGCAGGATTTTCATGTCACC | qRT-PCR |
| IL-12 | ACAGATGACATGGTGAAGACG | TCGTTCTTGTGTAGTTCCAGTG | qRT-PCR |
| IL-17a | TCCAGAATGTGAAGGTCAACC | TATCAGGGTCTTCATTGCGG | qRT-PCR |
| IL-17f | CATACCCAGGAAGACATACTTAGAAG | AGTCCCAACATCAACAGTAGC | qRT-PCR |
| GAPDH | CATGGCCTTCCGTGTTCTA | CCTGCTTCACCACCTTCTTGAT | qRT-PCR |
| human Δ Np63 | GAGCCAGAAGAAAGGACAGCAG | GAATCTGCTGGTCCATGCTGTTC | qRT-PCR |
| humanTAp63 | CCCAGAGCACACAGACAAATG | GCGGATACAGTCCATGCTAATC | qRT-PCR |
| humanGAPDH | AGCCACATCGCTCAGACAC | GCCCAATACGACCAAATCC | qRT-PCR |