**Table S1. Complete list of primers used in this work. Sequences are from the GenBank.**

|  |  |
| --- | --- |
| Name | sequencing |
| Mouse CCL1 | Forward: 5'-TTCCCC TGAAGT TTATCCAGT  GTT-3' |
|  | Reverse: 5'-TGAACCCACGTTTTGTTAGTT GAG-3' |
| Mouse IL-10 | Forward: 5'-GGC CCAGAAATCAAGGAG-3' |
|  | Reverse: 5'-CCT TGTAGACACCTT GGT-3' |
| GAPDH | Forward: 5'-CACCCACTCCTCCACCTTTG-3' |
|  | Reverse: 5'-CCACCACCCTGTTGCTGTAG-3' |
|  | |
| MouseIL-12 Forward:5'-TACTAGAGAGACTTCTTCCAC  AACAAGAG-3'  Reverse:5'-TCTGGTACATCTTCAAGTCCTCAT  AGA -3' | |
| *Atopobium. vaginae* | Forward: 5' -GGT GAAGC AGTGGAAA CACT-3' |
|  | Reverse:5'-ATTCGCTTCT GCTCGCGCA-3' |
| *Selenomonas sputigena* | Forward: 5'- AGAGTTTGATCCTGGCTCAG -3' |
|  | Reverse:5'- CTCAATATTCTCAA GCTCGGTT-3' |
| *Faecalibacterium prausnitzii* | Forward: 5'- CCCGGCATCGGGTAGAG -3' |
|  | Reverse:5'- GGACGCGAGGCCATCTC-3' |

1. Primers of *Selenomonas sputigena* were referred to Raghavendra Shrishail Medikeri’s research in *J Clin Diagn Res. 2015 Apr; 9(4): ZC13–ZC17.*

2. Primers of *Atopobium Vaginae* were referred to Ellen De Backer’s research in *BMC Microbiol. 2007 Dec 19;7:115.*

3. Primers of *Faecalibacterium prausnitzii* were referred to Harry Sokol’s research in *Proc Natl Acad Sci U S A. 2008 Oct 28;105(43):16731-6.*