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| **VMB-Target** | **Accession** | **Target** | **Forward Primer (5’-3’)** | **Reverse Primer (5’-3’)** | **Reference** |
| Acidovorax | KC197036.1 | 16s | GCGAAAGCTTTGCTAATAC | GGCTTGGTAAGCTTTTATC | This study |
| Aerococcus | JQ962617.2 | 16s | TTCGGATCGTAAAACTCTG | CGTGGCTTTCTGGTAAGA | This study |
| *Atopobium vaginae* | JQ511973.1 | 16s | GTTAGGTCAGGAGTTAAATCTG | TCATGGCCCAGAAGACC | [[1](#_ENREF_1)] |
| BVAB1 | AY724739.1 | 16s | AGTGTAGGCGGCACTATAAG | AGCCTTAGCGTCAGTTATCG | [[1](#_ENREF_1)] |
| BVAB2 | AY724740.1 | 16s | AGGCGGCTAGATAAGTGTGA | TCCTCTCCAGCACTCAAGCTAA | [[1](#_ENREF_1)] |
| BVAB3 | AY724741 | 16s | CCCTTGAACGATGTAGAGATACATAA | GCTGCTCTCTGTTGTAGCCATT | [[1](#_ENREF_1)] |
| BVAB-TM7 | AY738690.1 | 16s | AACTGCTTGGCTCGAGATTATC | TCTCCTTTCGGAGAAATTCTAGG | [[2](#_ENREF_2)] |
| Cloacibacterium | JQ962488.2 | 16s | CGGCATCGTTTAATATTGAA | CCCCTAAAAGATCATCGC | This study |
| Corynebacterium | NR\_025436.1 | 16s | GGGTAATGGCCTACCAAG | CCGTATCTCAGTCCCAATG | This study |
| *Dialister spp* | JX104025.1 | 16s | CCTAGTGTAGCGGTGAAA | GTCAGTTTTCGTCCAGAA | This study |
| *E. coli* universal | CP002967.1 | beta-D-glucuronidase | GTGTGATATCTACCCGCTTCGC | AGAACGGTTTGTGGTTAATCAGGA | [[3](#_ENREF_3)] |
| Eggerthella spp | AY959023.1 | 16s | GGTTGCTCAAGCGGAACCTCTAAT | AATTCCATCTGCCTGTACCGCACT | [[1](#_ENREF_1)] |
| Eggerthella-like | AY738656.1 | 16s | AACCTCGAGCCGGGTTCC | TCGGCACGGAAGATGTAATCT | [[2](#_ENREF_2)] |
| Enterococcus universal | HF558530.1 | 23s | AGAAATTCCAAACGAACTTG | CAGTGCTCTACCTCCATCATT | [[4](#_ENREF_4)] |
| *Gardnerella vaginalis* 154 | JX860322.1 | 16s | CTCTTGGAAACGGGTGGTAA | TTGCTCCCAATCAAAAGCGGT | [[5](#_ENREF_5)] |
| *G. vaginalis* sialidase | CP002725.1 | sialidase | GACGACGGCGAATGGCACGA | AGTCGCACTCCGCGCAAGTC | [[6](#_ENREF_6)] |
| Haemophilus universal | FQ312002.1 | 16s | GGAGTGGGTTGTACCAGAAGTAGAT | AGGAGGTGATCCAACCGCA | [[7](#_ENREF_7)] |
| hGAPDH | NM\_002046.4 | GAPDH | CAACTACATGGTTTACATGTTC | CTCGCTCCTGGAAGATG | [[8](#_ENREF_8)] |
| Lachnospiraceae | X104039.1 | 16s | ATCCGGATTTACTGGGTG | CTCCAAATATCTACGCATTTC | This study |
| Lactobacillus (universal) |  | 16s | TGGAAACAGRTGCTAATACCG | GTCCATTGTGGAAGATTCCC | [[9](#_ENREF_9)] |
| *Lactobacillus crispatus* | JQ805668.1 | 16s | AGCGAGCGGAACTAACAGATTTAC | AGCTGATCATGCGATCTGCTT | [[9](#_ENREF_9)] |
| *Lactobacillus fermentum* | EU621848.1 | 16s | TGGCCCAATTGATTGATG | GCATCTGTTTCCAAATGTTG | This study |
| *Lactobacillus gasseri* | JQ413225.1 | 16s | AGCGAGCTTGCCTAGATGAATTTG | TCTTTTAAACTCTAGACATGCGTC | [[10](#_ENREF_10)] |
| *Lactobacillus iners* | NR\_036982.1 | 16s | ACAGGGGTAGTAACTGACCTTTG | ATCTAATCTCTTAGACTGGCTATG | [[2](#_ENREF_2)] |
| *Lactobacillus jensenii* | AB289171.1 | 16s | GCCTATAGAAATTCTTCGGAATGGACA | CAAATGGTATCCCAGACTTAAGGG | [[1](#_ENREF_1)] |
| *Lactobacillus reuteri* | JQ897938.1 | 16s-23s inter. spacer | CAGACAATCTTTGATTGTTTAG | GCTTGTTGGTTTGGGCTCTTC | [[11](#_ENREF_11)] |
| *Lactobacillus rhamnosus* | JX556102.1 | 16s | TGCTTGCATCTTGATTTAATTTTG | GGTTCTTGGATYTATGCGGTATTAG | [[9](#_ENREF_9)] |
| *Leptotrichia amnionii* | JQ839147.1 | 16s | GAGGAAGTTTAGCTTGCTAAATGGAC | CTTTAGTGCCGTAGCTTTCATTTGC | [[1](#_ENREF_1)] |
| *Megasphaera sp type 1* | EF120358.1 | 16s | GACGGATGCCAACAGTATCCGTCCG | AAGTTCGACAGTTTCCGTCCCCTC | [[1](#_ENREF_1)] |
| *Megasphaera sp type 2* | AY738697.1 | 16s | AAGGTGGTAAATAGCCATCATGAG | CTCTCCGACACTCAAGTCTTC | [[2](#_ENREF_2)] |
| *Mobiluncus curtisii* | CP001992.1 | 16s | GCGATGGTTCCAGAGATGGGCCAGCCTT | CACGAGTCCCCGGCCGAA | [[1](#_ENREF_1)] |
| *Mobiluncus mulieris* | X82602.1 | 16s | GCGACATGCCAGAGATGGTGTG | CACGAGTCCCCACCATAACGTG | [[1](#_ENREF_1)] |
| *Parvimonas spp* | JQ259702.1 | 16s | GTCTGAGAGGATGAACGG | CTCCTATGATACCGTCATTATC | This study |
| *Peptoniphilus lacrimalis* | AY738692.1 | 16s | AAGAGACGAACTTAGAGATAAGTTTT | CACCTTCCTCCGATTTATCATC | [[2](#_ENREF_2)] |
| *Peptoniphilus spp* | AY738691.1 | 16s | GACCGGTATAGAGATATACCCT | CACCTTCCTCCGATTTATCATC | [[2](#_ENREF_2)] |
| *Peptostreptococcus spp* | EF120365.1 | 16s | TCATAGGAGGAAGCCCTGGCTAAA | TAAGCTCCACGCTTTGACACCTGA | [[1](#_ENREF_1)] |
| *Prevotella buccalis*-like | JN867243.1 | 16s | GTGCATTGCAGGTAGCGCATGAAT | TACCGTGCACTCAAGCCAAACAGT | [[1](#_ENREF_1)] |
| Prevotella G1 | AY738677.1 | 16s | GTCCCTTATTGCATGTACCATAC | GCCGCTAACACTAGGTGCTA | [[2](#_ENREF_2)] |
| *Prevotella spp* | JN867318.1 | 16s | GGGATGCGTCTGATTAGCTTGTT | CTGCACGCTACTTGGCTGGTTC | [[1](#_ENREF_1)] |
| Proteobacteria α, β |  | rpoB | GGGCAGCGTTTCGGCGAAATGGA | GTCCGACTTGACGGTCAACATTTCCTG | [[12](#_ENREF_12)] |
| Proteobacteria β, γ and Pseudomonadaceae |  | rpoB | CAGGAGTCGTTCAACTCGATCTACATGAT | ACGCCATCAGGCCACGCAT | [[12](#_ENREF_12)] |
| Ruminococcaceae | JX543432.1 | 16s | CAACGCGAAGAACCTTAC | ACGGCAGTCCTATTAGAG | This study |
| *Sneathia sanguinegens* | EF120363.1 | 16s | GATGGGAGCTAGCTTGCTAGAAGAAG | GCTCTCATATAGCGTATTGCTACC | [[1](#_ENREF_1)] |
| Staphylococcus universal |  | elongation factor Tu | GAACGTGGTCAAATCAAAGTTGGTGAAGA | GTCACCAGCTTCAGCGTAGTCTAATAA | [[13](#_ENREF_13)] |
| Streptococcus group B | CP003810.1 | cAMP factor | TTTCACCAGCTGTATTAGAAGTA | GTTCCCTGAACATTATCTTTGAT | [[14](#_ENREF_14)] |
| Streptococcus universal |  | 16s | AGTCGGTGAGGTAACCGTAAG | AGGAGGTGATCCAACCGCA | [[7](#_ENREF_7)] |
| Universal 16s |  | 16s | TCCTACGGGAGGCAGCAGT | GGACTACCAGGGTATCTAATCCTGTT | [[15](#_ENREF_15)] |
| *Veillonella spp* | JQ680348.1 | 16s | GACGAAAGTCTGACGGAG | CCGATTAACAGAGCTTTACAA | This study |

**Table S1. PCR target data for the analysis of the VMB.**

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