**Supplemental Table S1.**

**Fold change in planktonic growth of BV-associated bacteria in the nine different culture media relative to OD620nm values measured at T0h.**

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| --- | --- |
| **Bacteria** | **Culture medium** |
| **BHV** | **BHV.Aa2** | **NYC** | **NYC.Aa2** | **SB** | **SB.Aa2** | **sBHI** | **sBHI.Aa2** | **mGTS** |
| ***Gardnerella* sp.**Growth ratio, Mean±SD*p1* | 1.1±0.1 | 1.1±0.1 | 9.8±2.1a,b | 7.6±0.6a,b | 0.9±0.2c,d | 1.2±0.2c,d | 1.1±0.3c,d | 2.1±0.6c,d | 1.6±0.1c,d |
| ***Atopobium vaginae***Growth ratio, Mean±SD*p* | 0.8±0.2 | 1.1±0.1 | 10.4±2.1a,b | 8.8±0.8a,b | 1.0±0.1c,d | 1.0±0.1c,d | 1.0±0.1c,d | 1.0±0.3c,d | 1.2±0.1c,d |
| ***Lactobacillus iners***Growth ratio, Mean±SD*p* | 1.2±0.2 | 1.2±0.3 | 9.9±1.9a,b | 10.5±0.7a,b | 0.8±0.1c,d | 0.8±0.2c,d | 0.9±0.1c,d | 1.3±0.1c,d | 1.2±0.1c,d |
| ***Mobiluncus curtisii***Growth ratio, Mean±SD*p* | 1.1±0.1 | 1.0±0.3 | 1.4±0.1 | 1.4±0.3 | 1.2±0.1 | 1.4±0.1 | 1.2±0.1 | 1.6±0.5 | 0.9±0.1h |
| ***Peptostreptococcus anaerobius***Growth ratio, Mean±SD*p* | 3.3±0.7 | 2.0±0.8 | 8.8±1.6a,b | 6.8±0.8a,b | 10.7±0.8a,b,d | 10.8±0.2a,b,d | 5.4±1.1b,c,e,f | 5.1±0.2b,c,e,f | 1.3±0.1c,d,e,f,g,h |
| ***Prevotella bivia***Growth ratio, Mean±SD*p* | 1.4±0.5 | 3.2±1.1 | 6.7±1.5a,b | 5.2±1.2a | 0.9±0.1c,d | 5.9±0.3a,e | 4.6±1.2a,e | 7.4±0.9a,b,e,g | 1.7±0.3c,d,f, h |

1 Statistical differences between bacterial planktonic growths in different culture media were analyzed with one-way ANOVA and Tukey’s multiple comparisons test, *p* < 0.05. **a** Statistical significance when comparing with BHV, **b** when comparing with BHV.Aa, **c** when comparing with NYC, **d** when comparing with NYC.Aa, **e** when comparing with SB, **f** when comparing with SB.Aa, **g** when comparing with sBHI, **h** when comparing with sBHI.Aa.

2 The effect of L-ascorbic acid on bacterial growth is presented as fold change relative to the growth in the medium without L-ascorbic acid (fold change = 1, control). This effect was classified as inhibitory (cut-off < 0.75 – fold change), neutral (0.75 ≤ fold change < 1.25), and stimulatory (cut-off ≥ 1.25 – fold change).