**ANOVA**

| **Hypothesis Legend**  |
| --- |
| **Abbreviation**  | **Hypothesis**  |
| H1  |  | SexDes.1 = SexDes.2 = SexDes.3 = SexDes.4  |  |
| H2  |  | SexDes.1 < (SexDes.2, SexDes.3, SexDes.4)  |  |
| H3  |  | SexDes.2 > (SexDes.1, SexDes.3, SexDes.4)  |  |
| H4  |  | SexDes.3 > (SexDes.1, SexDes.2, SexDes.4)  |  |
| H5  |  | SexDes.4 > (SexDes.1, SexDes.2, SexDes.3)  |  |
|  |

| **Bain ANOVA**  |
| --- |
|  | **BF.c**  | **PMP a**  | **PMP b**  |
| H1  |  | 0.001  |  | 1.827e -4  |  | 1.593e -4  |  |
| H2  |  | 8.114  |  | 0.424  |  | 0.369  |  |
| H3  |  | 24757.706  |  | 0.576  |  | 0.502  |  |
| H4  |  | 8.845e -4  |  | 1.743e -4  |  | 1.520e -4  |  |
| H5  |  | 4.947e -4  |  | 9.752e -5  |  | 8.503e -5  |  |
| Hu  |  |  |  |  |  | 0.128  |  |
|  |
| *Note.*  BF.c denotes the Bayes factor of the hypothesis in the row versus its complement. Posterior model probabilities (a: excluding the unconstrained hypothesis, b: including the unconstrained hypothesis) are based on equal prior model probabilities.  |
|  |

| **Bayes Factor Matrix**  |
| --- |
|  | **H1**  | **H2**  | **H3**  | **H4**  | **H5**  |
| H1  |  | 1.000  |  | 4.313e -4  |  | 3.171e -4  |  | 1.048  |  | 1.873  |  |
| H2  |  | 2318.694  |  | 1.000  |  | 0.735  |  | 2429.714  |  | 4343.024  |  |
| H3  |  | 3153.343  |  | 1.360  |  | 1.000  |  | 3304.326  |  | 5906.361  |  |
| H4  |  | 0.954  |  | 4.116e -4  |  | 3.026e -4  |  | 1.000  |  | 1.787  |  |
| H5  |  | 0.534  |  | 2.303e -4  |  | 1.693e -4  |  | 0.559  |  | 1.000  |  |
|  |