**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 |  |
|  | | | | | | | | | | | |