**Electronic Supplementary Material 4**

**A) Relation between attractiveness, pleasantness and intensity ratings and the rareness of HLA alleles**

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| Table 1: bivariate correlations between 3 mean odour ratings and frequency of HLA-alleles (*N* = 42) |
| Measure | 1 | 2 | 3 | 4 |
| 1. Rating: Attractiveness |  |  |  |  |
| 2. Rating: Pleasantness | .97\*\*\* |  |  |  |
| 3. Rating: Intensity | -.75\*\*\* | -.77\*\*\* |  |  |
| 4. HLA-Frequency: over all HLA-loci | .06 | .06 | .13 |  |
| 5. HLA-Frequency: HLA-A; HLA-B; HLA-DRB1 | .09 | .10 | -.01 | .60\*\*\* |
| \**p* < 0.5, \*\**p* < 0.1, \*\*\**p* < 0.001 |  |  |  |  |

**B) Figure 2: Results of the pleasantness ratings**

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