**S2 Table.** **Ion peaks of interest that account for the variation between six regions of interest (ROIs) in healthy skin porcine tissue.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***m/z* [Da]** | **All ROIs** | | **D vs E** | | **D vs HF** | | **D vs SAT** | | **D vs SM** | | **D vs SG** | | **E vs HF** | | **E vs SAT** | |
| ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** | ***p*** | **Rating** |
| **3044** | 0.35 | >=0.05 | 0.23 | >=0.05 | 0.59 | >=0.05 | 0.97 | >=0.05 | 0.87 | >=0.05 | 0.41 | >=0.05 | 0.03 | <0.05 | 0.21 | >=0.05 |
| **3458** | 0 | \*\*\* | 0 | \*\*\* | 0.59 | >=0.05 | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* |
| **4737** | 0 | \*\*\* | 0 | \*\*\* | 0.15 | >=0.05 | 0.97 | >=0.05 | 0 | \*\*\* | 0.95 | >=0.05 | 0 | \*\*\* | 0 | \*\*\* |
| **4968** | 0 | \*\*\* | 0.002 | \*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* |
| **6011** | 0.94 | >=0.05 | 0.73 | >=0.05 | 0.92 | >=0.05 | 0.97 | >=0.05 | 0.66 | >=0.05 | 0.41 | >=0.05 | 0.83 | >=0.05 | 0.99 | >=0.05 |
| **6140** | 0.03 | \* | 0.47 | >=0.05 | 0.16 | >=0.05 | 0.97 | >=0.05 | 0.03 | \* | 0.77 | >=0.05 | 0.02 | \* | 0.41 | >=0.05 |
| **6654** | 0 | \*\*\* | 0.28 | >=0.05 | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0.002 | \*\* | 0 | \*\*\* | 0 | \*\*\* |
| **6985** | 0 | \*\*\* | 0.14 | >=0.05 | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* |
| **9258** | 0 | \*\*\* | 0.001 | \*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* | 0 | \*\*\* |
| **10180** | 0 | \*\*\* | 0.31 | >=0.05 | 0.03 | \* | 0.31 | >=0.05 | 0.003 | <0.01 | 0.36 | >=0.05 | 0.45 | >=0.05 | 0.02 | \* |

E – epidermis, D – dermis, HF – hair follicle, SG – sweat gland, SAT – subcutaneous adipose tissue, SM – subcutaneous muscle. *P*-values <<0.001 are marked as 0. Kruskal-Wallis test was used. Used rating: (\*) *p*-value < 0.05, (\*\*) *p*-value < 0.01, (\*\*\*) *p*-value < 0.001.