|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Muropeptide** | **Observed mass** **(m+H+)** | **Theoretical mass** **(m+H+)** | **Proportion of total muropeptides (%)** | **Fold-change** | **Fold-change (%)** |
| **WT**  | **(SD)** | **Helix30**  | **(SD)** | **WT /Helix30** | **WT /Helix30** |
| GM3 | 871.38 | 871.38 | 2.34  | (±0.19) | 1.56  | (±0.16) | 0.67 | 33**↓** |
| GM4 | 942.41 | 942.42 | 11.14  | (±0.33) | 13.60  | (±0.47) | 1.22 | 22**↑** |
| GM5 | 1013.45 | 1013.45 | 4.82 | (±0.05) | 3.45 | (±0.10) | 0.72 | 28**↓** |
| GM\*3 | 913.39 | 913.39 |
| **GM\*4** | **984.42** | **984.43** | **4.41** | **(±0.45)** | **8.89**  | **(±0.37)** | **2.02** | **102↑** |
| GM4-4 | 1385.61 | 1385.62 | 2.98 | (±0.12) | 2.96 | (±0.12) | 0.99 | 1**↓** |
| GM\*5 | 1055.46 | 1055.64 |
| GM4-GM4 | 1865.80 | 1865.81 | 10.56  | (±0.50) | 9.54  | (±0.42) | 0.90 | 10**↓** |
| GM4-GM5 | 1936.84 | 1936.85 | 6.25  | (±0.08) | 3.96  | (±0.09) | 0.63 | 37**↓** |
| **GM\*4-GM4** | **1907.86** | **1907.82** | **6.73**  | **(±0.59)** | **9.35**  | **(±0.23)** | **1.39** | **39↑** |
| **GM\*4-GM\*4** | **1949.83** | **1949.83** | **3.24** | **(±0.37)** | **4.73**  | **(±0.21)** | **1.46** | **46↑** |