**Table S4**: MRM transitions for LC-MS/MS analysis. St, standard; I St, internal standard

|  |  |  |
| --- | --- | --- |
| **Positive mode** |  |  |
| **St** | **Transition (St)** | **I St** | **Transition (I St)** |
| IAM | 175 > 130 | D-IAA | d5: 181 > 134 |
| IPyA | 204 > 136 | D-IAA | d5: 181 > 134 |
| IAA-Ala | 247 > 130 | DN-IAA-Asp | d5: 296 > 132 |
| oxIAA-Asp | 307 > 146 | oxIAA | d2:194 > 148 |
| IAA | 176 > 130 | D-IAA | d5: 181 > 134 |
| IAA-Asp | 291 > 130 | DN-IAA-Asp | d5: 296 > 132 |
| IAA-Trp | 362 > 130 | DN-IAA-Trp | d5: 367 > 132 |
| IAA-Glu | 305 > 130 | DN-IAA-Glu | d5: 310 > 134 |
| oxIAA-Glu | 321 > 146 | D-oxIAA-Glu | d2: 323 > 148 |
| oxIAA | 192 > 146 | D-oxIAA | d2:194 > 148 |
| **Negative** **mode** |  |  |
| **St** | **Transition (St)** | **I St** | **Transition (I St)** |
| IAA | 174 > 130 | D-IAA | d5: 179 > 135 |
| GA3 | 345 > 143 | D-GA3 | d2: 347 > 143 |
| GA1 | 347 > 185 | D-GA1 | d2: 349 > 187 |
|  |  |  |  |