**Supplementary File 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Protein name** | **PTM** | **Locations** | **Newly identified** |
| DNMT1 (P26358) | Glycyl lysine isopeptide | 259, 1609 | - |
| N6-acetyllysine | 160, 173, 188, 259, 366, 749, 891, 957, 961, 975, 1054, 1111, 1113, 1115, 1117, 1119, 1121, 1349, 1415 | - |
| N6,N6-dimethyllysine | 70 | - |
| N6-methyllysine | 142 | - |
| *O*-GlcNAc | 878 | S878 |
| Phosphothreonine | 137, 166, 208 | T208 |
| Phosphotyrosine | 399, 969 | - |
| Phosphoserine | 35, 127, 133, 141, 143, 152, 154, 189, 192, 209, 312, 394, 398, 509, 549, 714, 732, 878, 953, 954, 1105, 1122 | S209, S1122 |

**Supplementary File 3.** List of posttranslational modification (PTM) sites of human DNMT1.