**Figure 5 – source data 2. Calculated and observed masses of CylLS peptides incubated with CylM and CylM mutants *in vitro* for 30 min.** All calculated masses are [M+H]. -: not observed.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | M–4H2O | M–3H2O | M–2H2O | M–H2O | M | M–2H2O + HPO3 | M–H2O + HPO3 | M + HPO3 | M–2H2O + 2HPO3 | M–H2O + 2HPO3 | M+ 2HPO3 | M+ 3HPO3 |
| treatment |  |  |  |  |  |  |  |  |  |  |  |  |
| Calc. | 7061 | 7079 | 7097 | 7115 | 7133 | 7177 | 7195 | 7213 | 7257 | 7275 | 7293 | 7373 |
| CylM | 7059 | - | - | - | - | - | - | - | - | - | - | - |
| CylM-D347A | - | - | - | - | 7132 | - | - | - | - | - | - | - |
| CylM-H349A | 7060 | 7078 | - | 7114 | 7131 | - | - | - | - | - | - | - |
| CylM-N352A | - | - | - | - | 7131 | - | - | - | - | - | - | - |
| CylM-D364A | - | - | - | - | 7132 | - | - | - | - | - | - | - |
| CylM-D252A | - | - | - | 7113 | 7130 | - | 7193 | 7209 | - | 7272 | 7290 | 7371 |
| CylM-H254A | - | - | - | 7113 | 7130 | - | 8464 | 8482 | - | - | - | - |
| CylM-R506A | - | - | - | - | 7130 | - | - | 7211 | - | - | 7291 | - |
| CylM-T512A | - | - | - | - | 7130 | - | - | 7210 | - | - | 7291 | - |