**Figure 5 – source data 3. Calculated and observed masses of CylLS peptides incubated with CylM and CylM mutants *in vitro* for 10 h.** 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 | 7061 | - | - | - | - | - | - | - | - | - | - | - |
| CylM-D347A | - | - | - | - | 7133 | - | - | - | - | - | - | - |
| CylM-H349A | 7061 | 7078 | - | - | - | - | - | - | - | - | - | - |
| CylM-N352A | - | - | - | 7114 | 7131 | - | 7195 | - | - | - | - | - |
| CylM-D364A | - | - | - | - | 7133 | - | - | - | - | - | - | - |
| CylM-D252A | - | - | 7096 | 7114 | 7132 | 7176 | 7194 | - | 7257 | 7274 | - | - |
| CylM-H254A | 7061 | - | - | - | - | - | - | - | - | - | - | - |
| CylM-R506A | - | - | - | 7113 | 7133 | - | 7193 | - | - | 7274 | - | - |
| CylM-T512A | - | - | - | - | 7133 | - | - | 7211 | - | - | 7292 | 7372 |