**Supplementary File 3-KeyAlloSite prediction results of Aurora A kinase**

**Supplementary File 3**. KeyAlloSite prediction results of Aurora A kinase

|  |  |  |  |
| --- | --- | --- | --- |
| PPI |  |  | Phosphorylation |
| Pockets | Z-score |  | Residues | Sites | Z-score |
| cavity\_1 | 1.95 |  | THR | 235 | 1.36  |
| **cavity\_3** | **1.48** |  | SER | 245 | 1.23  |
| cavity\_6 | 0.80 |  | SER | 249 | 1.09  |
| cavity\_7 | 0.50 |  | **THR** | **287** | **1.05**  |
| cavity\_9 | -0.27 |  | **THR** | **288** | **0.83**  |
| cavity\_12 | -0.39 |  | THR | 204 | 0.82  |
| cavity\_11 | -0.51 |  | SER | 361 | 0.70  |
| cavity\_10 | -0.54 |  | TYR | 148 | 0.67  |
| cavity\_8 | -0.56 |  | SER | 369 | 0.60  |
| cavity\_4 | -1.11 |  | SER | 226 | 0.60  |
| cavity\_5 | -1.34 |  | SER | 155 | 0.49  |
|  |  |  | TYR | 212 | 0.47  |
|  |  |  | TYR | 219 | 0.32  |
|  |  |  | THR | 384 | 0.17  |
|  |  |  | THR | 353 | 0.12  |
|  |  |  | THR | 347 | 0.06  |
|  |  |  | TYR | 338 | -0.26  |
|  |  |  | TYR | 334 | -0.29  |
|  |  |  | SER | 283 | -0.34  |
|  |  |  | THR | 292 | -0.44  |
|  |  |  | SER | 284 | -0.48  |
|  |  |  | SER | 266 | -1.33  |
|  |  |  | THR | 333 | -1.33  |
|  |  |  | SER | 342 | -1.91  |
|  |  |  | SER | 387 | -1.97  |
|  |  |  | SER | 123 | -2.23  |