**Table S3. Kinetic parameters for inhibition of some *At*PDF variants by actinonin**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Wild-type | I42W | I42F | I42N | I130A |
| *K*I (nM) | 140 ± 10 | 97 ± 6 | 43 ± 5 | 39 ± 4 | 36 ± 5 |
| *K*I\*app (nM) | 2.3 ± 0.3 | 2.8 ± 0.4 | 2.8 ± 0.2 | 6.3 ± 0.4 | 1.5 ± 0.4 |
| *K*I/*K*I\*app | 61 ± 12 | 35 ± 7 | 15 ± 3 | 6 ± 2 | 24 ± 5 |
| *k*5 (s-1) x 103 | 63 ± 6 | 52 ± 5 | 89 ± 9 | 52 ± 5 | 49 ± 5 |
| *k*6 (s-1) x 104 | 10 ± 1 | 16 ± 2 | 62 ± 6 | 101 ± 10 | 21 ± 2 |

The enzyme concentration used in the assay was 100 nM. Prior to kinetic analysis for determination of *K*I\*app values, actinonin was incubated in the presence of each variant set at the final concentration for ten minutes at 37°C; kinetic assay was started by adding a small volume of the substrate. For determination of *K*I, *k*5 and *k*6 values, actinonin was not pre-incubated with enzyme and kinetic assay was started by adding the enzyme.