**Supplementary Table 4: Determination of the initial velocity region for His‑DrCK1δA, δB, ε and GST-CK1ε.** Linear regression was conducted to determine the maximal R2. Therefore, the analyzed data points of the product-over-time progression curve were reduced step by step. N: sample size; R2: coefficient of determination. Reaction time for GST-CK1δ was established by Roth et al. (Figure 4) and the data is licensed under a Creative Commons Attribution 4.0 International License (CC BY 4.0) (Roth et al., 2021).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **R2** | | | | |
| **Time range [min]** | **n** | **His-DrCK1δA** | **His-DrCK1δB** | **GST-CK1δ\*** | **His-DrCK1ε** | **GST-CK1ε** |
| 0-60 | 8 | 0.94 | 0.94 | 0.92\* | 0.79 | 0.96 |
| 0-45 | 7 | 0.90 | 0.95 | 0.97\* | 0.78 | 0.95 |
| 0-30 | 6 | 0.94 | 0.87 | 0.96\* | 0.82 | 0.90 |
| 0-15 | 5 | 0.96 | 0.99 | **0.99\*** | **0.98** | 0.86 |
| 0-10 | 4 | 0.93 | **0.99** | 0.99\* | 0.95 | **0.96** |
| 0-5 | 3 | **0.98** | - | - | - | - |
| **Reaction time** | | **5 min** | **10 min** | **10 min\*** | **15 min** | **10 min** |

\*Previously established by Roth *et al.* (Roth et al., 2021)