**Supplementary Table S1 Hub residues of the Sfβgly protein structure network**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | R97 | F251 | S358 | E399 | T245 | K366 | F334 | S247 | N249 | Y420 | Y331 |
| **z-score** | 6.4 | 6.0 | 5.1 | 4.2 | 4.2 | 4.0 | 3.6 | 3.6 | 3.5 | 3.3 | 2.9 |

The central residues, also termed hub residues, of the Sfβgly PSN were identified based on the effect of their removal on the network path length (*L*). The z-score indicated the normalized increase of *L* due to the residue removal. Thus, z-scores are expressed in terms of standard deviations (σ). Cells marked in red indicate residues that are part of the Sfβgly active site. This table is based on reference [25].