**Table Dataset 1:** Summary of pDomThreader z-score results in threading method.

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| --- | --- | --- |
| **Profile hit (PDB ID)** | **z-score** | **Confidence levels** |
| 1wp1B01 | 5.02 | HIGH |
| 1yc9A01 | 3.54 | MEDIUM |
| 3g67A00 | 3.03 | MEDIUM |
| 1eq1A00 | 2.42 | MEDIUM |
| 1d66B02 | 2.04 | LOW |
| 1d7mA00 | 2.00 | LOW |
| 2v4hB00 | 1.89 | LOW |
| 1vykA00 | 1.89 | LOW |
| 1vsgA02 | 1.78 | LOW |