**Supplemental Table 3.** The performances of DeepHomo, GLINTER, DRN-1D2D\_Inter, DeepHomo2, CDPred and PLMGraph-Inter on the DHTest and DB5.5 test sets using experimental structures (AlphaFold2 predicted structures)

|  |  |  |
| --- | --- | --- |
| Methods | DHTest (precision %) | DB5.5 (precision %) |
| L/5 | L/10 | 50 | 10 | 5 | L/5 | L/10 | 50 | 10 | 5 |
| DeepHomo | 45.0(36.5) | 47.4(38.2) | 44.2(36.1) | 50.2(40.4) | 50.9(42.9) |  |
| GLINTER | 48.5(46.7) | 50.8(48.8) | 47.4(45.1) | 51.2(51.0) | 52.3(51.5) | 18.8(16.1) | 20.5(15.0) | 15.2(12.6) | 21.9(15.6) | 20.7(16.9) |
| DRN-1D2D\_Inter | 52.1 | 53.3 | 52.3 | 54.9 | 56.0 | 24.4 | 26.9 | 20.7 | 25.4 | 27.5 |
| DeepHomo2 | 59.5(50.7) | 60.0(51.7) | 58.7(50.5) | 61.3(52.5) | 62.0(52.6) |  |
| CDPred | 69.2(61.4) | 72.2(62.4) | 69.1(61.0) | 73.7(63.3) | 74.8**(64.1)** | 27.7(24.7) | 29.3(26.6) | 24.7(22.8) | 30.6(27.4) | 30.2(28.1) |
| PLMGraph-Inter | **72.0****(61.7)** | **73.3****(62.6)** | **71.9****(61.1)** | **74.7****(63.4)** | **75.4**(63.5) | **33.6****(28.6)** | **36.4****(31.4)** | **29.5****(23.8)** | **36.9****(30.3)** | **40.0****(31.5)** |

Note: The highest mean precision (%) in each column is highlighted in bold.