**Supplemental Table 4.** The performances of DeepHomo, GLINTER, DRN-1D2D\_Inter, DeepHomo2, CDPred and PLMGraph-Inter on DHTest and DB5.5 after the removal of targets which GLINTER failed to make the prediction 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 | 41.6(32.6) | 43.9(33.7) | 41.3(32.9) | 47.6(35.8) | 48.6(37.8) |  |
| GLINTER | 48.5(41.6) | 50.8(43.4) | 47.4(40.4) | 51.2(46.1) | 52.3(46.3) | 18.8(15.5) | 20.5(14.0) | 15.2(12.6) | 21.9(15.4) | 20.7(16.4) |
| DRN-1D2D\_Inter | 45.5 | 46.9 | 45.5 | 48.9 | 49.9 | 23.4 | 25.3 | 19.9 | 24.6 | 25.7 |
| DeepHomo2 | 56.3(48.2) | 57.1(49.7) | 56.0(48.4) | 58.9(50.1) | 59.2(49.4) |  |
| CDPred | **65.4****(56.9)** | **67.9****(58.1)** | **65.4****(56.9)** | **69.7****(59.3)** | **70.8****(59.7)** | 27.8(24.3) | 29.2(25.9) | 24.4(22.6) | 30.7(27.1) | 30.3(27.9) |
| PLMGraph-Inter | 64.7(55.8) | 66.2(57.0) | 65.3(55.8) | 68.3(57.5) | 69.2(57.3) | **32.4****(27.9)** | **34.4****(30.4)** | **28.5****(23.4)** | **35.5****(30.0)** | **38.6****(30.7)** |

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