Ligand–receptor pairs in each dataset File Name Total Irps: 32,866 32,000 CCIDB_Human_new.xlsx (1) 30,000 CellCall-2021_new.xlsx (2) CellChatDB.humanv2-2023-Jin-LR-pairs_new.xlsx (3) 28,000 Cellinker_Homos_2021.txt (4) 26,000 Human-2010-Kirouac-LR-pairs new.xlsx (5) 24,000 Human-2014-Qiao-LR-pairs.xlsx (6) 22,000 Human-2015-Choi-LR-pairs.txt (7) Total Number of Irps 20,000 Human-2015-Ramilowski-LR-pairs.xlsx (8) 18,000 Human-2017-Pavlicev-LR-pairs.xlsx (9) Human-2019-Wang-LR-pairs.csv (10) 16,000 Human-2019-Ximerakis-BaderLab-2017_new2.xlsx (11) 14,000 Human-2020-Hou-LR-pairs.xlsx (12) 12.245 11,994 12,000 Human-2020-Shao-LR-pairs.txt (13) 10,000 Human-2022-Dimitrov-LR-pairs.csv (14) 8,102 Human-2023-Zhao-LR-pairs_new.tsv (15) 8,000 ICELLNETdb_v2_new.xlsx (16) 6,000 Interaction_input_Vento_Cellphonedbv5_new.csv (17) 3.33,607 4,000 3,239 3,224 2,4222,57<mark>5_{2,27}2</mark> LRdb_122019_SingleCellSignalIR.xlsx (18) 1.806 1,43<mark>754</mark> 2,000 NicheNet-LR-pairs.csv (19) 781 0 OmniPathPPIs_new.tsv (20) 0 5 10 15 20 DB files