**Table 2 Comparison of non-redundant cross-validation (CV) results of our proposed model with previous method CPI-NN using 40% redundancy removal of HCPI data by CPI-NN NR-HCPI is the non-redundant Human dataset having unique positive examples HCPI and randomly generated negative examples at different P: N ratios mentioned in the table.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Dataset | P: N | Total  (P+N) | CPI-NN | | Proposed | |
| AUC-ROC | AUC-PR | AUC-ROC | AUC-PR |
| NR-HCPI  (40%) | 1:1 | 5994 | 92.98 ± 0.87 | 91.62 ± 1.29 | 93.04 ± 0.35 | 93.86 ± 1.01 |
| NR-HCPI (NRCV) (40%) | 1:1 | 5266 | 61.59 ± 0.774 | 71.81± 0.395 | 69.02± 2.44 | 76.8 ± 4.61 |