|       | ProstateCancer - D | PrugDisease_BbsiPr | ox_all - rf - SMOTE |       |  | 100      |
|-------|--------------------|--------------------|---------------------|-------|--|----------|
|       |                    |                    |                     |       | [proximity_closest] Malignant neoplasm of prostate (C0376358)[DisGeNET_curated]  | 80       |
|       |                    |                    |                     |       | [proximity_closest] Adenocarcinoma of prostate (C0007112)[DisGeNET_curated]  | 60       |
|       |                    |                    |                     |       | [proximity_closest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_GA]  [proximity_closest] prostate carcinoma (EFO_0001663)[OpenTargets_GA]                            | 40<br>20 |
|       |                    |                    |                     |       | [proximity_closest] prostate cancer (MONDO_0008315)[OpenTargets_GA]  | 0        |
|       |                    |                    |                     |       | [proximity_closest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_RNA]   |          |
|       |                    |                    |                     |       | [proximity_closest] prostate carcinoma (EFO_0001663)[OpenTargets_RNA]  |          |
|       |                    |                    |                     |       | [proximity_closest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_closest] prostate carcinoma (EFO_0001663)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_closest] metastatic prostate cancer (EFO_0000196)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_closest] prostate cancer (MONDO_0008315)[OpenTargets_literature]  [proximity_closest] Prostate Small Cell Carcinoma (EFO_1000499)[OpenTargets_literature]       |          |
|       |                    |                    |                     |       | [proximity_closest] Prostate Small Cell Carcinoma (EPO_1000499)[Opernargets_literature]  [proximity_closest] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Up]          |          |
|       |                    |                    |                     |       | [proximity_closest] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]   |          |
|       |                    |                    |                     |       | [proximity_closest] Prostate adenocarcinoma (PRAD)[Intogen]  |          |
|       |                    |                    |                     |       | [proximity_closest] Prostatic Neoplasms[PharmGKB_associated]   |          |
|       |                    |                    |                     |       | [proximity_closest] Prostate carcinoma (EFO_0001663)[ThETA]  |          |
|       |                    |                    |                     |       | [proximity_shortest] Malignant neoplasm of prostate (C0376358)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_shortest] Adenocarcinoma of prostate (C0007112)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate carcinoma (EFO_0001663)[OpenTargets_GA]  [proximity_shortest] prostate cancer (MONDO_0008315)[OpenTargets_GA]                                |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_RNA]  |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate carcinoma (EFO_0001663)[OpenTargets_RNA]   |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate carcinoma (EFO_0001663)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_shortest] metastatic prostate cancer (EFO_0000196)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_shortest] prostate cancer (MONDO_0008315)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_shortest] Prostate Small Cell Carcinoma (EFO_1000499)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_shortest] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Up]  [proximity_shortest] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]                     |          |
|       |                    |                    |                     |       | [proximity_shortest] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]  [proximity_shortest] Prostate adenocarcinoma (PRAD)[Intogen]                                  |          |
|       |                    |                    |                     |       | [proximity_shortest] Prostatic Neoplasms[PharmGKB_associated]  |          |
|       |                    |                    |                     |       | [proximity_shortest] Prostate carcinoma (EFO_0001663)[ThETA]   |          |
|       |                    |                    |                     |       | [proximity_centre] Malignant neoplasm of prostate (C0376358)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_centre] Adenocarcinoma of prostate (C0007112)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_centre] prostate adenocarcinoma (EFO_0000673)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_centre] prostate carcinoma (EFO_0001663)[OpenTargets_GA]  |          |
|       |                    |                    |                     |       | [proximity_centre] prostate cancer (MONDO_0008315)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_centre] prostate adenocarcinoma (EFO_0000673)[OpenTargets_RNA]  [proximity_centre] prostate carcinoma (EFO_0001663)[OpenTargets_RNA]                            |          |
|       |                    |                    |                     |       | [proximity_centre] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_centre] prostate carcinoma (EFO_0001663)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_centre] metastatic prostate cancer (EFO_0000196)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_centre] prostate cancer (MONDO_0008315)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_centre] Prostate Small Cell Carcinoma (EFO_1000499)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_centre] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Up]  |          |
|       |                    |                    |                     |       | [proximity_centre] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]  |          |
|       |                    |                    |                     |       | [proximity_centre] Prostate adenocarcinoma (PRAD)[Intogen]  [proximity_centre] Prostatic Neoplasms[PharmGKB_associated]  |          |
|       |                    |                    |                     |       | [proximity_centre] Prostate carcinoma (EFO_0001663)[ThETA]   |          |
|       |                    |                    |                     |       | [proximity_kernel] Malignant neoplasm of prostate (C0376358)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_kernel] Adenocarcinoma of prostate (C0007112)[DisGeNET_curated]   |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate adenocarcinoma (EFO_0000673)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate carcinoma (EFO_0001663)[OpenTargets_GA]  |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate cancer (MONDO_0008315)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate adenocarcinoma (EFO_0000673)[OpenTargets_RNA]  |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate carcinoma (EFO_0001663)[OpenTargets_RNA]  [proximity_kernel] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]                     |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]  [proximity_kernel] prostate carcinoma (EFO_0001663)[OpenTargets_literature]              |          |
|       |                    |                    |                     |       | [proximity_kernel] metastatic prostate cancer (EFO_0000196)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_kernel] prostate cancer (MONDO_0008315)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_kernel] Prostate Small Cell Carcinoma (EFO_1000499)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_kernel] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Up]  |          |
|       |                    |                    |                     |       | [proximity_kernel] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]  |          |
|       |                    |                    |                     |       | [proximity_kernel] Prostate adenocarcinoma (PRAD)[Intogen]   |          |
|       |                    |                    |                     |       | [proximity_kernel] Prostatic Neoplasms[PharmGKB_associated]  [proximity_kernel] Prostate carcinoma (EFO_0001663)[ThETA]  |          |
|       |                    |                    |                     |       | [proximity_kernel] Prostate carcinoma (EFO_0001663)[ThETA]  [proximity_separation] Malignant neoplasm of prostate (C0376358)[DisGeNET_curated]                             |          |
|       |                    |                    |                     |       | [proximity_separation] Manignant Neoplashi of prostate (C0070000)[DisCeNET_curated]  |          |
|       |                    |                    |                     |       | [proximity_separation] prostate adenocarcinoma (EFO_0000673)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_separation] prostate carcinoma (EFO_0001663)[OpenTargets_GA]  |          |
|       |                    |                    |                     |       | [proximity_separation] prostate cancer (MONDO_0008315)[OpenTargets_GA]   |          |
|       |                    |                    |                     |       | [proximity_separation] prostate adenocarcinoma (EFO_0000673)[OpenTargets_RNA]  |          |
|       |                    |                    |                     |       | [proximity_separation] prostate carcinoma (EFO_0001663)[OpenTargets_RNA]   |          |
|       |                    |                    |                     |       | [proximity_separation] prostate adenocarcinoma (EFO_0000673)[OpenTargets_literature]   |          |
|       |                    |                    |                     |       | [proximity_separation] prostate carcinoma (EFO_0001663)[OpenTargets_literature]  |          |
|       |                    |                    |                     |       | [proximity_separation] metastatic prostate cancer (EFO_0000196)[OpenTargets_literature]  [proximity_separation] prostate cancer (MONDO_0008315)[OpenTargets_literature]    |          |
|       |                    |                    |                     |       | [proximity_separation] prostate cancer (MONDO_0008315)[OpenTargets_literature]  [proximity_separation] Prostate Small Cell Carcinoma (EFO_1000499)[OpenTargets_literature] |          |
|       |                    |                    |                     |       | [proximity_separation] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Up]  |          |
|       |                    |                    |                     |       | [proximity_separation] Cancer of prostate GSE1413[Enrichr_GeoDiseaseSig_Down]  |          |
|       |                    |                    |                     |       | [proximity_separation] Prostate adenocarcinoma (PRAD)[Intogen]   |          |
|       |                    |                    |                     |       | [proximity_separation] Prostatic Neoplasms[PharmGKB_associated]  |          |
| п     | П                  | п                  | П                   | П     | [proximity_separation] Prostate carcinoma (EFO_0001663)[ThETA]   |          |
| Fold1 | Fold2              | Fold3              | Fold4               | Fold5 |  |          |