Raw Data Resource

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| **Data Source** | **Interaction Type** | **Node Type** | **Link** |
| Phenomebrowser  Database | Drug\_MP | Drug | http://phenomebrowser.net/archive/sider\_drug\_phenotype.txt |
| Mammalian Phenotype |
| Drug\_HP | Drug |
| Human Phenotype Ontology |
| Mouse Genome Informatics (MGI) Database | Gene\_MP | Gene | <http://www.informatics.jax.org/downloads/reports/HMD_HumanPhenotype.rpt>  <http://www.informatics.jax.org/downloads/reports/MGI_GenePheno.rpt> |
| Mammalian Phenotype |
| Gene Ontology Annotation (GOA) Database | Gene\_GO | Gene | http://geneontology.org/gene-associations/goa\_human.gaf.gz |
| Gene Ontology |
| Genotype-Tissue Expression (GTEx) database | Gene\_UT | Gene | https://www.ebi.ac.uk/gxa/experiments-content/E-MTAB-5214/resources/ExperimentDownloadSupplier.RnaSeqBaseline/tpms.tsv |
| Uberon Tissue |
| Human Phenotype  Ontology (HPO) database | Disease\_HP | Disease | https://hpo.jax.org/app/download/annotation |
| Human Phenotype Ontology |
| DrugBank database | Target | Drug | https://go.drugbank.com/releases/5-1-9/downloads/target-all-polypeptide-ids |
| Gene |
| Mouse Genome Informatics (MGI) Database | Association | Gene | http://www.informatics.jax.org/downloads/reports/MGI\_DO.rpt |
| Disease |
| TreatKB | Treatment | Drug | http://nlp.case.edu/public/data/treatKB/ |
| Disease |