

Supplementary Table 1. Information recorded for disease, drug, clinical trial, gene, variant, supporting literature, and each type of relationship.

Entity	Category	Attribute	Entity	Category	Attribute
Gene	Summary	Gene name	Drug	Summary	Drug Name
		Alias names			Type
		Gene Description			Drug Synonyms
		Clinical Trails			Disease Name
	Basic Information	Gene name		Drug Name	
		Synonyms		Drug Synonyms	
		Gene Description		Trade name	
		HG Position (Assembly Position)		Target	
		Is Oncogene		Indication	
		Is Tumor Suppressor Gene		FDA Approved Indication	
	Related Clinical Trials	External IDs		NMPA Approved Indication	
		Official Title		Drug Type	
		Offical Number		Drug instruction	
Study Phase		Chemical structure			
	Disease	Weight			
		Chemical Formula			
Variant	Summary	Gene name	Pharmacology	Mechanism of Action	
		HGVSc		Metabolism	
		Protein.Change		Toxicity	
		Gene Location		Adverse Effects	
		SIFT Prediction		Drug Interaction	Interacting Drugs
		Associated cancer types			Interacting Effect
		Associated drugs			Pharmacogenomics
		Clinical evidence		Allele Name	
		Reference		Gene Name	
	Basic Information	Genome Sequence Change	Genotype		
		Coding Sequence Change	Nucleic Acid Change		
		Amino Acid Change	Type		
		Gene Location	UniProt ID		
		Affected Exon Number	Description		
		Variant.Type	References		
		SIFT Prediction	Summary	Associated Genes	
		Clinical Impact		Clinical Impact Category	Clinical Trails
	Clinical effect			Associated Drugs	
	Evidence level			Disease Description	
Associated disease	Reference				
Associated drugs	Basic Information			Disease Description	
Clinical annotation				disease name	
Reference			Gene name		
		Alterations			
Clinical Trial	Basic Information	Official Number			
		Related Conditions			

		Recruiting Status			Efficacy
		Study Phase			Level of Evidence
Reference	Basic Information	DOI	Clinical Interpretation	Basic Information	Clinical Annotation
		Author			
		Journal			