

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

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