

SUPPLEMENTARY INFORMATION

Supplementary Table 1. Node Properties and Descriptions in FPGDKG.

Nodes	Properties	Description
Facial Phenotype	description	A brief description of the facial phenotype.
	phenotypeName	The name of the facial phenotype.
	pid	HPO phenotype ID.
	synonyms	Alternative names for the phenotype.
Gene	chromosomalLoc	Location of the gene on the chromosome.
	chromosomesName	Name of the chromosome where the gene is located.
	exonCount	Number of exons in the gene.
	fullName	The full name of the gene.
	geneId	NCBI gene ID.
	geneName	The symbol of the gene.
Disease	gid	Unique gene ID in our KG.
	did	OMIM disease ID.
Sample	dname	The name of the disease.
	sample number	Patient number.
	gender	Gender of the patients, marked as M, F, or M&F.
	method	Method used to obtain or analyze the sample.
	race	Race of the individuals.
	region	Geographic region of the sample's origin.
	sid	Unique sample ID in our KG.
Variation	age	Age of the individuals.
	category	Category of the genetic variation.
	details	Detailed information about the variation.
Article	pmid	PubMed ID for related literature.
	articleName	Title of the article.
	author	Author(s) of the article.
	magazineName	Name of the magazine or journal.
	pmid	PubMed ID for the article.
	publishTime	Date of publication.