

Type	Abbreviation	Core function	Data summary	Thresh. function	IC weight	SemSim. Sum.	Popular	Neg. Ctrl	Novel	Simple EvM
AUC metrics	US AUC	Area Under ROC Curve	Unstructured	-	-	-		+		+
	GC AUC	Area Under ROC Curve	Gene-Centric	-	-	-				
	TC AUC	Area Under ROC Curve	Term-Centric	-	-	-	+			
	US AUCPR	Area Under Prec-Recall Curve	Unstructured	-	-	-	+			+
	GC AUCPR	Area Under Prec-Recall Curve	Gene-Centric	-	-	-				
	TC AUCPR	Area Under Prec-Recall Curve	Term-Centric	-	-	-				
	Fmax	F-metric	Gene-Centric	max	-	-	+			
group metrics	US Jacc	Jaccard	Unstructured	max	-	-				+
	GC Jacc	Jaccard	Gene-Centric	max	-	-				+
	ic Smin1	Euclidean distance	Unstructured	max	IC1	-			+	
	ic Smin2	Euclidean distance	Gene-Centric	max	IC1	-			+	
	ic Smin3 (excluded)	Euclidean distance	Unstructured	max	IC1	-			+	
	ic SimGIC	Weighted Jaccard	Gene-Centric	max	IC1	-			+	
	ic SimGIC2	Weighted Jaccard	Unstructured	max	IC1	-			+	
	ic2 Smin1	Euclidean distance	Unstructured	max	IC2	-	+		+	
	ic2 Smin2	Euclidean distance	Gene-Centric	max	IC2	-			+	
	ic2 Smin3 (excluded)	Euclidean distance	Gene-Centric	max	IC2	-			+	
	ic2 SimGIC	Weighted Jaccard	Gene-Centric	max	IC2	-			+	
	ic2 SimGIC2	Weighted Jaccard	Unstructured	max	IC2	-			+	
Semantic Similarities	Resnik score A	Resnik semantics	Gene-Centric	max	IC1	A				
	Resnik score B	Resnik semantics	Gene-Centric	max	IC1	B		+		
	Resnik score C	Resnik semantics	Gene-Centric	max	IC1	C		+		
	Resnik score D	Resnik semantics	Gene-Centric	max	IC1	D				
	Resnik score E	Resnik semantics	Gene-Centric	max	IC1	E			+	
	Resnik score F	Resnik semantics	Gene-Centric	max	IC1	F			+	
	Lin score A	Lin semantics	Gene-Centric	max	IC1	A				
	Lin score B	Lin semantics	Gene-Centric	max	IC1	B		+		
	Lin score C	Lin semantics	Gene-Centric	max	IC1	C		+		
	Lin score D	Lin semantics	Gene-Centric	max	IC1	D				
	Lin score E	Lin semantics	Gene-Centric	max	IC1	E			+	
	Lin score F	Lin semantics	Gene-Centric	max	IC1	F			+	
	AJacc score A	Jaccard semantics	Gene-Centric	max	-	A				
	AJacc score B	Jaccard semantics	Gene-Centric	max	-	B		+		
	AJacc score C	Jaccard semantics	Gene-Centric	max	-	C		+		
	AJacc score D	Jaccard semantics	Gene-Centric	max	-	D				
	AJacc score E	Jaccard semantics	Gene-Centric	max	-	E			+	
	AJacc score F	Jaccard semantics	Gene-Centric	max	-	F			+	