

































Examp	le: Apop	tosis Path	way 👼 🎴
	Apoptosis	Pathway	
	Wiki x KEGG	Wiki x Ingenuity	KEGG x Ingenuit
Gene Pair Count:	144 vs 172	144 vs 3557	172 vs 3557
Gene Count:	85 vs 80	85 vs 176	80 vs 176
Gene Overlap:	38	28	30
Gene % Overlap:	48%	33%	38%
Gene Pair Overlap:	23	14	24
Gene Pair % Overlap:	16%	10%	14%
BIOCARTA	0	GenMA	PP
6	PharmG	KB ĮŅĢĘŅ	ŅĪŢŸ.
Chine 4 6 Inc. 2000		(	Convright 2009 @ Limeon



































































## What Have We Learned?

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- Problems
  - Gene expression analysis
  - Protein complex prediction
  - Protein function inference
- Trends

China 4-6 Ju

- Algorithms driven by reasonable hypotheses
- Hypotheses extracted by datamining & statistics





