

Level 2

PSI-MI Experimental Evidence

PSI-MI Experimental Evidence

Experimental Evidence

1.

General Experimental Evidence: in-vitro

Experimental System Used: Co-Immunoprecipitation

General Description: TCR stimulated Jurkat cell lysates were immunoprecipitated with anti-Sos antibody and immunoblotted with anti-phosphotyrosine antibody. Figure 3.

Bait Condition: not-applicable

Publications: 1 [View all publications \[NCBI\]](#)



2.

General Experimental Evidence: in-vitro

Experimental System Used: Affinity Chromatography

General Description: TCR stimulated Jurkat T cell lysates were incubated with GST-Grb2 coupled to beads. The precipitated complex was immunoblotted with anti-phosphotyrosine and anti-LAT antibodies. Fig. 6A.

Bait Condition: not-applicable

Publications: 1 [View all publications \[NCBI\]](#)



3.

General Experimental Evidence: in-vitro

Experimental System Used: Co-Immunoprecipitation

General Description: TCR stimulated Jurkat T cell lysates were immunoprecipitated with anti-Grb2 antibodies and immunoblotted with anti-phosphotyrosine antibodies. Fig. 2A.

Bait Condition: not-applicable

Publications: 1 [View all publications \[NCBI\]](#)



4.

General Experimental Evidence: in-vitro

Experimental System Used: Co-Immunoprecipitation

General Description: 293T cells were cotransfected with FLAG-LAT, HA-Grb2, ZAP-70 and Lck. Lysates were immunoprecipitated with anti-FLAG or anti-HA and immunoblotted with anti-Grb2 or anti-phosphotyrosine. Both exogenous and endogenous Grb2 associated with LAT. Fig. 5B and 5C.

Bait Condition: not-applicable

Publications: 1 [View all publications \[NCBI\]](#)



interaction	
0	NAME
0	SHORT-NAME
0	SYNONYMS
0	COMMENT
0	DATA-SOURCE
0	XREF
0	AVAILABILITY
0	PARTICIPANTS
0	EVIDENCE

pathway	
0	NAME
0	SHORT-NAME
0	SYNONYMS
0	COMMENT
0	DATA-SOURCE
0	XREF
0	AVAILABILITY
0	ORGANISM
0	EVIDENCE
0	PATHWAY-COMPONENTS

Note: No evidence associated with physicalEntities → out of scope in Level 2. We could add this in a later level if we want.

Note: Large simplification from November 2004 level 2 proposal based on pre-meeting discussion.

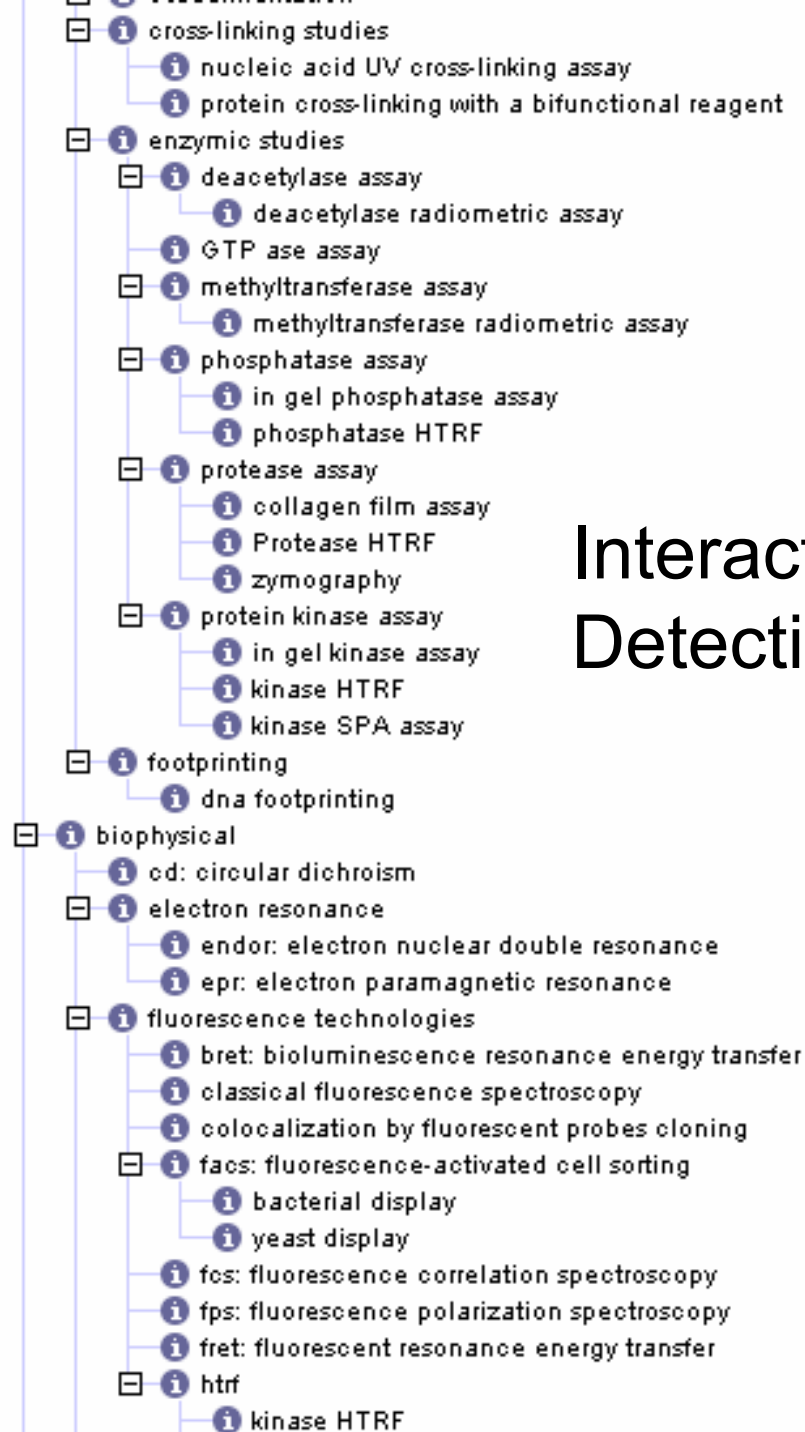
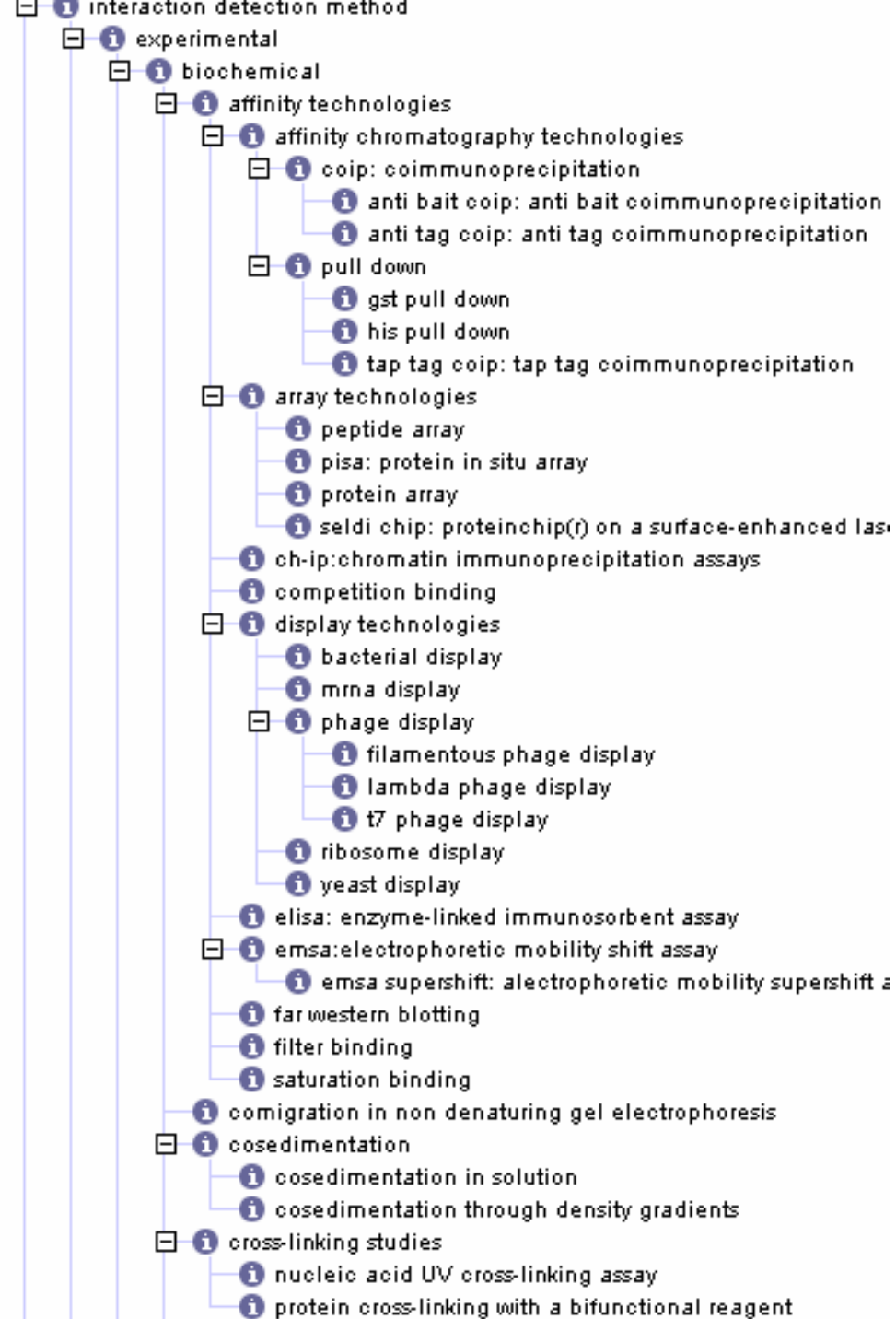
Support

From Interaction,
Pathway



evidence	
⓪	COMMENT
⓪	EVIDENCE-CODE
⓪	CONFIDENCE
⓪	XREF
⓪	EXPERIMENT-FORM

- **Statistical**
 - Evidence code
 - e.g. BioCyc, GO
- **Experimental**
 - Integrate PSI-MI experimental CVs with evidence codes



Interaction Detection

Confidence

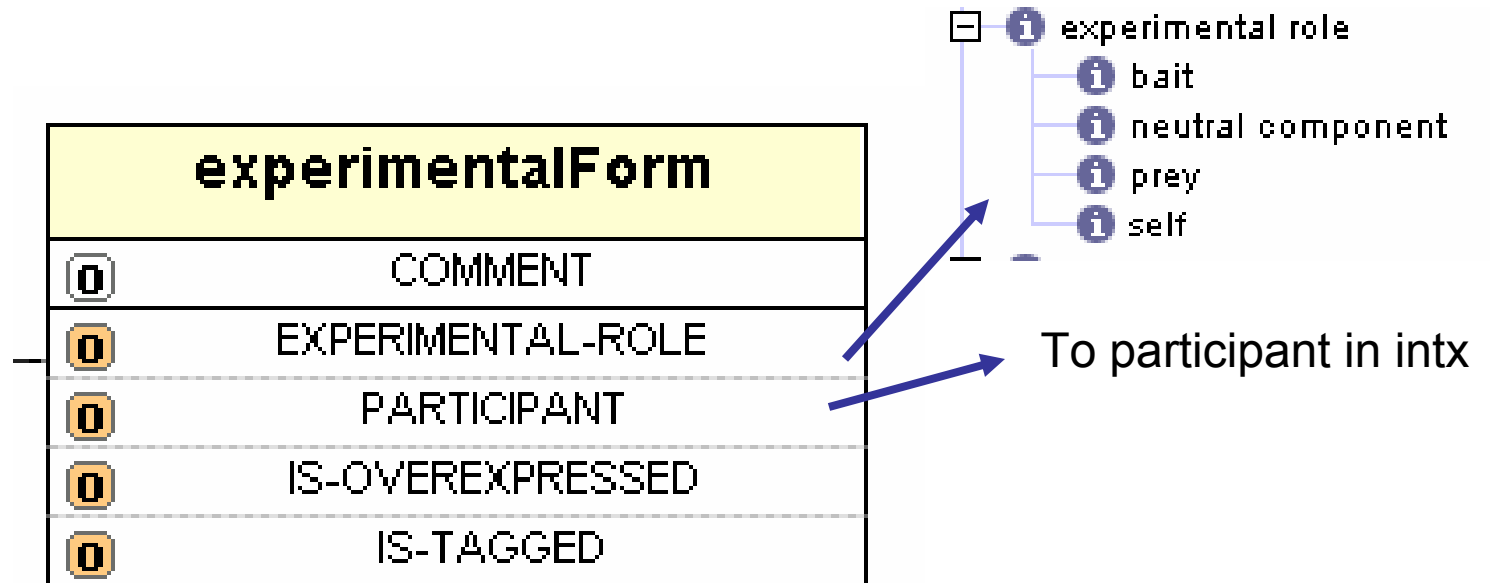
confidence	
0	COMMENT
0	CONFIDENCE-VALUE
0	CONFIDENCE-MEASURE

Confidence is a summary, not linked to individual parts of the experiment

E.g. statistical confidence

Measure = type of method used to determine confidence (CV term, still TODO. How should we do this?)

Experimental Form



- E.g. His-tagged protein