TREC 2005 Genomics Track Ad Hoc Retrieval SAMPLE Topics

This file contains sample topics for the ad hoc retrieval task of the TREC 2005 Genomics Track. There are a total of 10 topics, numbered from 90 to 99. The topics all generally follow a semantic template, with 2 from each of the 5 templates.

Detailed instructions for the documents and submission of results are provided on the track protocol page. Experimental groups may use any resources (e.g., databases, Web sites, etc.) to enhance their queries, as well as edit them manually.

1. Information describing standard methods or protocols for doing some sort of experiment or procedure.

ID	Method or protocol
90	Quality control in microarray experiments
91	GST fusion protein expression in Sf9 insect cells

2. Information describing the role(s) of a gene involved in a disease.

ID	Gene(s)	Disease
92	Ribosomal Protein L11	Cancer
93	DRD4	Alcoholism

3. Information describing the role of a gene in a specific biological process.

ID	Gene	Biological Process
94	HMG	chromatin restructuring and transcriptional regulation
95	Insulin receptor gene	signaling tumorigenesis

4. Information describing interactions (e.g., promote, suppress, inhibit, etc.) between two or more genes in the function of an organ or in a disease.

ID	Genes	Function of organ	Disease
96	HMG and HMGB1		hepatitis
97	MyD88, TRAM and TRIF	autoimmunity	

5. Information describing one or more mutations of a given gene and its biological impact or role.

ID	Gene with mutation	Biological impact
98	Mutations of Ret	thyroid function
99	Mutations of thiopurine S-methyltransferase	metabolism of drugs