



Renal GO Annotation Initiative

Providing full GO annotation to proteins associated with renal development, function and disease processes

Newsletter July 2011

Welcome to the 9th quarterly Newsletter highlighting the progress of the Renal GOA Initiative.

Renal target list

The list of renal curation targets now comprises 2,382 distinct renal-related proteins which include human, murine and other mainly mammalian orthologues.

The current GO annotations for all the proteins that have been tagged with the acronym 'KRUK' can be viewed using the EBI's GO browser QuickGO (<http://www.ebi.ac.uk/QuickGO/GAnnotation?protein=KRUK>).

Protein Annotation

To date, since 1st April 2009, this initiative has associated 24,738 GO terms to 1,852 distinct UniProtKB proteins from the prioritized renal-related list. Of these, 615 prioritized proteins have been comprehensively annotated using GO terms. Also, 268 new GO terms have been created since the start of this initiative in addition to the 470 new kidney development terms created as a result of the focused ontology workshop.

Gene Ontology Development

I have been involved in the creation of new GO terms to describe the metabolic pathways represented by the UniPathway resource at <http://www.grenoble.prabi.fr/obiwarehouse/unipathway>. There are currently over 360 pathways that have no associated GO term.

Meetings:

I presented a moderated poster focusing on the representation of kidney development in the Gene Ontology, at the Joint British Renal Society/ Renal Association meeting held at the ICC in Birmingham, June 2011.

Renal interest mailing list

Just a reminder that you can sign up to the renal interest mailing list (renal@ebi.ac.uk) which is low traffic and a more convenient way of sending out information relating to the Renal GOA Initiative. The list can also be used for discussion of any issues and suggestions for annotation improvements relating to the initiative. So, if interested, please sign up at <http://listserver.ebi.ac.uk/mailman/listinfo/renal>.

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