

Reference Genome Project: Plan for June-Dec 2010

	June	July	August	September	October	November	December
PAINT (Ed, Suzi, Paul)	GO camp	<ul style="list-style-type: none"> • Software improvements depending on how much staff we can get. Many suggestions for improvements are at: http://sourceforge.net/tracker/?group_id=184610&atid=1126623 Priorities have not yet been discussed. • Paper describing PAINT 					
Protein Families		<ul style="list-style-type: none"> • Version x of Panther should be available [date?] with 82 species • This should roughly double the number of PAINT-generated ISS annotations 					
MOD curation		Wnt pathway primary annotation (Varsha)	Transcription factors primary annotation (derived from Varsha's list) * Note that this is dependent on work from the Ontology WG – plan to finish in Aug 2010. Good progress is being made: http://wiki.geneontology.org/index.php/Transcription				
Protein family annotation		Mismatch repair tree annotation	Protein N-linked glycosylation				Wnt pathway tree annotation
Curation report (Kara, Stan, Seth, Chris)							
Papers		<ul style="list-style-type: none"> • PAINT • Phylogenomics: description of the rationale for doing annotations using phylogenetic trees; how we deal with inconsistencies in the tree; dealing with 'NOTs'; dealing with rapid divergence of sequences • Reference Genome 'end product': annotations: annotation guidelines; show data from a few families (need to decide on the scope) compare results with other pipelines such automated ISO and automated triangulation; QC. 					
New targets	<p>Required groundwork:</p> <ul style="list-style-type: none"> • ontology review • identify experts • define the scope of the pathway to annotate: start- and endpoints, genes involved, PANTHER families; review and fix topology of PANTHER families • get approval from ref genome group 						

