



Nome News Issue 10

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[< Previous Issue](#)

[Next Issue >](#)

Meetings

Sue, Hester and Elspeth visited the [MGI Nomenclature Committee](#) at the Jackson Laboratory Bar Harbor, Maine during 5-6 Nov, 2001. This was a very useful meeting and we exchanged a large amount of information as well as consolidating our already excellent working relationship.

Hester spoke about "Mining for Gene Nomenclature" at the European Science Foundation Workshop on Information Extraction in Molecular Biology (Twente, Enschede, The Netherlands, 11-14 Nov 2001).

Michael will present the poster "Programming for Nomenclature" at the O'Reilly Bioinformatics Technology Conference (Tucson, AZ, USA, 28-31 Jan 2002). Hester will be presenting a poster at the Genetics Society/British Society for Developmental Biology Spring Meeting (York, UK, 20-23 Mar 2002) and Matt and Elspeth will be attending HGM 2002 (Shanghai, China, 14-17 Apr 2002) and sharing a stand with Lois Maltais from the MGI Nomenclature Committee. Please come and see us at any of these conferences to discuss nomenclature.

Confidential Entries

In 2001 we have continued to increase the amount of information stored in the confidential version of Genew to the extent that we now have over 1,200 confidential (previously known as "pending") gene entries. These include genes that have been submitted by authors, as well as those still without approved symbols from [LocusLink](#). We have also added 432 mouse pending genes and their sequences from MGI to help us improve our homology searching.

Symbol Updates

PGK2

We are proposing to update the locations for the PGK2 and PGK1P2 genes, as we believe that the K03019 sequence on chromosome 6p should have the symbol PGK2 and the gene on 19p13.3 should be called PGK1P2. Further information is available at URL:

TAF

Symbols for the "TATA box binding protein (TBP)-associated factor, RNA polymerase II" gene family have now been finalised by a sub-committee and the new TAF1-TAF15 symbols updated in Genew.

Gene Families

[ANP32](#), acidic nuclear phosphoprotein 32

[SIGLEC](#), sialic acid binding Ig-like lectin

[PPP1R](#), protein phosphatase 1, regulatory (inhibitor) subunit genes

Chromosome 20

The DNA sequence and comparative analysis of human chromosome 20 was published by Deloukas et al., in December 2001 (Nature 414, 865-871). They annotated 727 genes and 168 pseudogenes from the sequence; we have approved a total of 659 symbols, 342 of which are new.

Updated Gene Names

Following on from discussions at the ASHG01NW Gene Nomenclature Workshop we have updated over 900 gene names in Genew, to conform with the following standardised format:

US Spelling e.g. "dermatan sulphate proteoglycan 3" became "dermatan sulfate proteoglycan 3"

Removal of hyphenation e.g. "FK506-binding protein 1A (12kD)" became "FK506 binding protein 1A (12kD)"

Placement of the homologous species at the end of the gene name e.g. "Crm (Cramped Drosophila)-like" became "Crm, cramped-like (Drosophila)" and "anillin (Drosophila Scraps homolog), actin binding protein" became "anillin, actin binding protein (scraps homolog, Drosophila)"

Publications

Burgers PM, Koonin EV, Bruford E, Blanco L, Burtis KC, Christman MF, Copeland WC, Friedberg EC, Hanaoka F, Hinkle DC, et al.

Eukaryotic DNA polymerases: proposal for a revised nomenclature. J Biol Chem 2001 [Nov 23;276\(47\):43487-90](#)

Povey S, Lovering R, Bruford E, Wright M, Lush, M, , Wain HM. The HUGO Gene Nomenclature Committee (HGNC). Nomenclature Recommendations. Human Genetics 2001 (E-pub. DOI 10.1007/s00439-001-0615-0)

New Downloadable Files

Available from:

www.genenames.org/code/ftpaccess.html

[ens5.txt](#) containing: HGNC, Symbol, Name, EC Number, SWISSPROT.

[ens6.txt](#) containing: HGNC, Symbol, Acc ID.

[chr21.txt](#) (Chromosome 21 Specific) containing: HGNC, Symbol, Previous symbol, Alias, Acc ID, Location.

[chr22.txt](#) (Chromosome 22 Specific) containing: HGNC, Symbol, Previous symbol, Alias, Acc ID, Location.

