Preface

Scope and Purpose of the HIV Molecular Immunology Database

The HIV Molecular Immunology Database was added as a companion volume to the NIAID, Division of AIDS-funded Human Retroviruses and AIDS Genetic Sequence Compendium in 1995. This volume is the 1998 issue. The HIV Immunology Database includes T-cell epitope maps on HIV proteins, alignments, and annotation, as well as a summary map of HIV Env glycoprotein and the HIV-1 genome, which is depicted on the front cover. The epitope maps are available online at http://hiv-web.lanl.gov/immunology, and the raw data files for the epitope tables are available at an FTP site there. Comments on the database or requests for the hard copy can be sent via email to immuno@t10.lanl.gov.

Citing the Database

This database may be cited as HIV Molecular Immunology Database 1998, Editors: Bette Korber, John Moore, Christian Brander, Richard Koup, Barton Haynes, and Bruce Walker. Publisher, Los Alamos National Laboratory, Los Alamos, New Mexico. Publication number LA-UR 99-986. ISBN 0-938212-31-8. To order this publication or for information about the HIV Molecular Immunology Database, please contact the HIV Immunology Database at the NICHD, Division of AIDS, Human Retroviruses and AIDS Program, 1998 Second Street, Northwest, Room 11A-10, Washington, D.C. 20201. To order the HIV Molecular Immunology Database CD-ROM, please contact the AIDS Information Office, NICHD, 1998 Second Street, Northwest, Room 11A-10, Washington, D.C. 20201. Comments on the database or requests for the hard copy can be sent via email to immuno@t10.lanl.gov.

The HIV-1 Genome

The cover of the 1998 database depicts the 3-dimensional crystal structure of gp120 with the CD4BS, CD4 inducible binding site and 2G12 epitope indicated. This figure is from a review of the Structure of the Core of HIV-1 gp120 Envelope Glycoprotein by Richard Wyatt, Peter Kwang, Wayne Hendrixson and Joseph G. Sodroski, in this volume, page IV-1.