

CONTENTS

Contents

Contents	i
Preface	iii
HIV-1, HIV-2, and SIV Genome Maps	iv
HIV/SIV Proteins	v
Common Abbreviations Used in This Database	vi
PART I. Review Articles	
The Evolving Field of HIV CTL Epitope Mapping: New Approaches to the Identification of Novel Epitopes <i>Christian Brander and Philip J. R. Goulder</i>	I-1
Clinical Trials of HIV Vaccines <i>Barney S. Graham</i>	I-18
Recombinant HIV Sequences: Their Role in the Global Epidemic <i>Martine Peeters</i>	I-35
The Characterization of HIV-1 Specific CD4+ T Helper Epitopes <i>Lisa A. Cosimi and Eric S. Rosenberg</i>	IV-45
PeptGen: Designing Peptides for Immunological Studies and Application to HIV Consensus Sequences <i>Charles Calef, Rama Thakallapally, Dorothy Lang, Christian Brander, Philip Goulder, Otto Yang, Bette Korber</i>	I-55
Motifscan: A Web-based Tool to Find HLA Anchor Residues in Proteins or Peptides <i>Rama Thakallapally, Warren Kibbe, Dorothy Lang, Bette Korber</i>	I-55
PART II. HIV CTL Epitopes	
How To Use This Section	II-1
A. HIV CTL Epitope Tables	II-A-1
p17	II-A-2
p24	II-A-3
p2p7p1p6	II-A-9
Gag Th undefined epitopes	II-A-10
RT	I-A-14
Integrase	I-A-17
Pol Th undefined epitopes	III-A-18
Vif	III-A-19
PART III. HIV Helper T-Cell Epitopes	
How To Use This Section	III-1
A. HIV Helper T-Cell Epitope Tables	III-A-1
p17	III-A-2
p24	III-A-3
p2p7p1p6	III-A-9
Gag Th undefined epitopes	III-A-10
RT	I-A-14
Integrase	I-A-17
Pol Th undefined epitopes	III-A-18
Vif	III-A-19
C. References	
p17-p24	II-A-29
p24	II-A-30
p2p7p1p6	II-A-71
p55	II-A-72
Gag CTL undefined epitopes	II-A-73
Gag/Pol	II-A-78
Protease	II-A-79
RT	II-A-81
Integrase	II-A-113
Pol CTL undefined epitopes	II-A-115
Vif	II-A-118
Tat	II-A-119
Vpr	II-A-120
Rev	II-A-120
gp160 (gp120)	II-A-123
Env CTL undefined epitopes	II-A-169
Nef	II-A-176
B. HIV CTL Epitope Maps	
p17	II-B-1
p24	II-B-2
p2p7p1p6	II-B-3
Protease	II-B-5
RT	II-B-5
Integrase	II-B-7
Rev	II-B-8
gp160	II-B-8
Nef	II-B-12
C. References	
II-D-1	

Vpr	III-A-20	Env (discontinuous or undefined)	IV-B-172
Tat	III-A-21	CD4-BS	IV-B-155
Rev	III-A-23	CD4i	IV-B-190
Vpu	III-A-25	C1 discontinuous	IV-B-196
gp160	III-A-26	C1 + other regions	IV-B-199
Env Th undefined epitopes	III-A-54	C3-C5	IV-B-200
Nef	III-A-59	V1V2	IV-B-201
B. HIV Helper T-Cell Epitope Maps			
p17	III-B-1	V2 + other regions	IV-B-202
p24	III-B-2	V3 + other regions	IV-B-207
p2p7p1p6	III-B-2	C-terminus	IV-B-216
RT	III-B-3	gp120	IV-B-217
Integrase	III-B-4	gp120 + CD4	IV-B-221
Vif	III-B-5	gp41	IV-B-223
Vpr	III-B-6	Env	IV-B-232
Tat	III-B-6	Nef	IV-B-235
Rev	III-B-7	C. HIV Monoclonal Antibodies Maps	
Vpu	III-B-7	p17	IV-C-2
gp160	III-B-8	p24	IV-C-3
Nef	III-B-8	p2p7p1p6	IV-C-4
C. References			
	III-B-12	Protease	IV-C-5
	III-C-1	RT	IV-C-5
PART IV. HIV Monoclonal Antibodies			
How To Use This Section	IV-1	Integrase	IV-C-6
A. Cross Reference Listing of MAbs			
Alphabetical listing of MAbs	IV-A-1	Tat	IV-C-7
MAbs by order of appearance	IV-A-2	Rev	IV-C-8
B. HIV Monoclonal Antibodies Tables			
p17	IV-A-7	gp160	IV-C-8
p24	IV-B-1	Nef	IV-C-17
p2p7p1p6	IV-B-2	D. References	
Gag (discontinuous or undefined)	IV-B-8		IV-D-1
Protease	IV-B-20		
RT	IV-B-22		
Integrase	IV-B-27		
Pol (discontinuous or undefined)	IV-B-28		
Vif	IV-B-30		
Tat	IV-B-35		
Rev	IV-B-40		
gp160 (gp120)	IV-B-41		
	IV-B-42		
	IV-B-45		