

# Gloop2 Heavy

Sequences producing significant alignments:	Score (bits)	E Value
3DGG_0_B	168	3e-54
3DGG_0_D	168	3e-54
3D85_0_B	167	1e-53
CBN73457.1 CDS_H	163	1e-53
CBN73439.1 CDS_H	163	1e-53
CBN73421.1 CDS_H	163	1e-53
CBN73403.1 CDS_H	163	1e-53
CAS97437.1 CDS_H	163	1e-53
1AXS_0_B	167	1e-53
1AXS_0_H	167	1e-53
3DIF_0_B	166	2e-53
3DIF_0_D	166	2e-53
K036046 antiTac_H	162	4e-53
3ULV_0_F	164	1e-52
3ULU_0_F	164	1e-52
4U0M_0_H	162	6e-52
CBX54367.1 CDS_H	158	1e-51
K037655 25C1_H	157	4e-51
1MIM_0_H	159	6e-51
CAT05563.1 CDS_H	166	7e-51
K035920 CDP571_H	155	3e-50
K037654 B43_H	155	3e-50
AAB34429.1 anti-CD19 antibody heavy chain variable region_H	155	3e-50
3FCT_0_B	157	4e-50
3FCT_0_D	157	4e-50
K021339 FV/IL-2_H	154	4e-50
CAC07568.1 CDS	165	5e-50
CAI54212.1 CDS_H	154	7e-50
K049980 HuCC49_H	154	7e-50
3HC0_0_A	156	1e-49
3HC0_0_H	156	1e-49
CAI48018.1 anti-HBs antibody IgG Fd fragment_H	156	2e-49
3HC3_0_H	155	3e-49
3HC4_0_H	155	3e-49
K037656 BLY3_H	151	7e-49
K038671 GB4v2.0_H	151	8e-49
AAA69494.1 VHC8_H	150	2e-48
1I9R_0_K	152	6e-48
1I9R_0_X	152	6e-48
1I9R_0_H	152	6e-48
K000740 HuFd138-80_H	149	6e-48
1ZA6_0_B	155	1e-47
1ZA6_0_F	155	1e-47
1ZA6_0_D	155	1e-47
1ZA6_0_H	155	1e-47
GU570216 GU570216 Homo sapiens (human) immunoglobulin heavy chai...	147	2e-47
ADW08092.1 immunoglobulin heavy chain variable region_H	147	2e-47
4AL8_0_H	151	2e-47
K000757 HuHMF1_H	147	2e-47
GU570210 GU570210 Homo sapiens (human) immunoglobulin heavy chai...	147	3e-47
ADW08098.1 immunoglobulin heavy chain variable region_H	147	3e-47
CAD91925.1 anti-human CD28 anti-human EpCAM ScFv antibody fragme...	158	4e-47
CBW46117.1 CDS_H	156	4e-47
CAD58656.1 anti-human CD95 antibody_H	150	6e-47
K047276 DP-7_H	145	8e-47
AX167741 AX167741 Homo sapiens (human)	145	1e-46
CAC43594.1 CDS_H	145	1e-46
BAC02271.1 immunoglobulin heavy chain VHDJ region_H	145	2e-46
1AD9_0_B	148	3e-46
1AD9_0_H	148	3e-46
K041426 1C10_H	144	3e-46
CAM55928.1 CDS_H	144	3e-46
K024872 HUMANIZED ANTI-TAC_H	144	4e-46
HM996387 HM996387 Homo sapiens (human) immunoglobulin variable r...	145	4e-46
ADX66076.1 immunoglobulin variable region_H	145	4e-46
K037010 HuMc3_H	144	4e-46
K046934 S2P13_H	144	4e-46
AAB06431.1 immunoglobulin heavy chain variable region_H	144	4e-46
K038670 GB4v1.0_H	144	5e-46
1WT5_0_A	144	5e-46
1WT5_0_B	144	5e-46
BAF64540.1 immunoglobulin heavy chain_H	147	5e-46
2RCS_1_H	147	7e-46

1AJ7_1_H	147	7e-46
BAC01866.1 immunoglobulin heavy chain VHDJ region_H	144	7e-46
K000758 BMA_031-EUCIV2_H	144	7e-46
AF376961 AF376961 Homo sapiens (human) immunoglobulin heavy chain variable region_H	144	7e-46
AAK56981.1 immunoglobulin heavy chain variable region_H	144	7e-46
K025256 IF10_H	143	1e-45
BAC01531.1 immunoglobulin heavy chain VHDJ region_H	143	1e-45
ABM67161.1 immunoglobulin heavy chain variable region_H	143	1e-45
DQ535291 DQ535291 Homo sapiens (human) circulating B cell antibody heavy chain variable region_H	143	1e-45
ABF83234.1 circulating B cell antibody heavy chain variable region_H	143	1e-45
BAF64538.1 immunoglobulin heavy chain_H	146	2e-45
DQ065661 DQ065661 Homo sapiens (human) immunoglobulin epsilon heavy chain variable region_H	143	2e-45
ABA00071.1 immunoglobulin epsilon heavy chain variable region_H	143	2e-45
AAD30405.1 immunoglobulin heavy chain variable region_H	143	2e-45
BAC01870.1 immunoglobulin heavy chain VHDJ region_H	143	2e-45
K045928 DN13_H	142	2e-45
BAC01530.1 immunoglobulin heavy chain VHDJ region_H	142	2e-45
AAC18297.1 immunoglobulin heavy chain variable region_H	143	2e-45
K045921 DN6_H	142	2e-45
AAD30398.1 immunoglobulin heavy chain variable region_H	142	2e-45
K000006 MUC1-1_H	142	2e-45
CAA79298.1 Ig H-chain V-domain_H	142	2e-45
CAM55932.1 CDS_H	142	2e-45
AX167729 AX167729 Homo sapiens (human)	142	2e-45
CAC43588.1 CDS_H	142	2e-45
AY686920 AY686920 Homo sapiens (human) rotavirus-specific intestinal homing antibody heavy chain variable region_H	142	3e-45
AAW67388.1 rotavirus-specific intestinal-homing antibody heavy chain variable region_H	142	3e-45
BAC01980.1 immunoglobulin heavy chain VHDJ region_H	142	3e-45
CAP05188.1 murine anti-CD30 ScFv antibody-human IgG1-IL2 chimeric antibody heavy chain variable region_H	154	3e-45
DQ535316 DQ535316 Homo sapiens (human) circulating B cell antibody heavy chain variable region_H	142	3e-45
ABF83259.1 circulating B cell antibody heavy chain variable region_H	142	3e-45
HM152522 HM152522 Homo sapiens (human) immunoglobulin mu heavy chain variable region_H	142	3e-45
AEB00272.1 immunoglobulin mu heavy chain_H	142	3e-45
AJ252274 AJ252274 Homo sapiens (human) immunoglobulin anti-gp96/hepatitis B surface antigen heavy chain variable region_H	142	3e-45
CAC20420.1 immunoglobulin anti-gp96/grp94 variable region of heavy chain_H	142	3e-45
K048053 P34_H	142	3e-45
BAC01986.1 immunoglobulin heavy chain VHDJ region_H	142	3e-45
CS628041 CS628041 Homo sapiens (human)	142	3e-45
CS628023 CS628023 Homo sapiens (human)	142	3e-45
CA079463.1 CDS_H	142	3e-45
CA079454.1 CDS_H	142	3e-45
K030182 417.F21.5_H	142	4e-45
AAA52868.1 immunoglobulin heavy chain_H	142	4e-45
ABM67212.1 immunoglobulin heavy chain variable region_H	142	4e-45
3NFS_0_H	145	4e-45
3NFP_0_A	145	4e-45
3NFP_0_H	145	4e-45
FJ195587 FJ195587 Homo sapiens (human) B cell antibody heavy chain variable region_H	142	4e-45
FJ195571 FJ195571 Homo sapiens (human) B cell antibody heavy chain variable region_H	142	4e-45
ACN63336.1 B cell antibody heavy chain variable region_H	142	4e-45
ACN63320.1 B cell antibody heavy chain variable region_H	142	4e-45
BAC01339.1 immunoglobulin heavy chain VHDJ region_H	142	4e-45
K040597 14_H	142	4e-45
AAC18259.1 immunoglobulin heavy chain variable region_H	142	4e-45
CAV28523.1 CDS_H	142	4e-45
BAC01991.1 immunoglobulin heavy chain VHDJ region_H	142	4e-45
K046243 DN_14_H	142	5e-45
BAC02343.1 immunoglobulin heavy chain VHDJ region_H	141	5e-45
DQ535431 DQ535431 Homo sapiens (human) circulating B cell antibody heavy chain variable region_H	141	5e-45
ABF83374.1 circulating B cell antibody heavy chain variable region_H	141	5e-45
ABM67149.1 immunoglobulin heavy chain variable region_H	141	5e-45
ABM67155.1 immunoglobulin heavy chain variable region_H	141	5e-45
DQ535465 DQ535465 Homo sapiens (human) circulating B cell antibody heavy chain variable region_H	141	5e-45
ABF83408.1 circulating B cell antibody heavy chain variable region_H	141	5e-45
BAC01348.1 immunoglobulin heavy chain VHDJ region_H	141	5e-45
AAC18278.1 immunoglobulin heavy chain variable region_H	141	6e-45
CAL63962.1 CDS_H	141	6e-45
K044447 HMK20_hu10_H	141	6e-45
CAC08834.1 CDS_H	154	6e-45
BAC02136.1 immunoglobulin heavy chain VHDJ region_H	141	6e-45
AY553647 AY553647 Homo sapiens (human) immunoglobulin mu heavy chain variable region_H	142	6e-45
AAS64367.1 immunoglobulin mu heavy chain variable region_H	142	6e-45
CAC29387.1 immunoglobulin G heavy chain variable region_H	141	6e-45
HM152519 HM152519 Homo sapiens (human) immunoglobulin mu heavy chain variable region_H	142	6e-45
AEB00269.1 immunoglobulin mu heavy chain_H	142	6e-45
ABM67174.1 immunoglobulin heavy chain variable region_H	141	6e-45
4UOK_0_A	144	6e-45
AAS85820.1 immunoglobulin heavy chain_H	142	7e-45

# Gloop2 Light

Sequences producing significant alignments:	Score (bits)	E Value
1HKL_1_L	198	3e-66
1GAF_1_L	198	3e-66
K041427 1C10_L	181	4e-61
JX027410 JX027410 Homo sapiens (human) immunoglobulin heavy chain variable region_L	157	1e-51
AFK77961.1 immunoglobulin heavy chain variable region_L	157	1e-51
EF589492 EF589492 Homo sapiens (human) immunoglobulin kappa 1 light chain_L	156	4e-51
ABU90653.1 immunoglobulin kappa 1 light chain_L	156	4e-51
AAC08335.1 monoclonal antibody MAX1 immunoglobulin light chain variable region_L	156	5e-51
BAH04704.1 immunoglobulin kappa light chain_L	156	5e-51
CS483822 CS483822 Homo sapiens (human)	156	5e-51
CAM36394.1 CDS_L	156	5e-51
DQ841061 DQ841061 Homo sapiens (human) immunoglobulin light chain variable region_L	155	7e-51
ABI74133.1 immunoglobulin light chain variable region_L	155	7e-51
AHI97204.1 immunoglobulin variable region VK-NHL104_L	156	8e-51
AX082136 AX082136 Homo sapiens (human)	155	1e-50
CAT03450.1 CDS_L	155	1e-50
CAM55940.1 CDS_L	155	1e-50
CAM55938.1 CDS_L	155	1e-50
CAC33138.1 CDS_L	155	1e-50
BAH04710.1 immunoglobulin kappa light chain_L	155	1e-50
K032312 WG2_L	154	2e-50
AAV33383.1 anti-rabies virus immunoglobulin light chain variable region_L	154	2e-50
CAL48875.1 CDS_L	154	2e-50
CBK51937.1 CDS_L	154	2e-50
JX420439 JX420439 Homo sapiens (human) immunoglobulin kappa light chain variable region_L	154	3e-50
AFR53521.1 immunoglobulin kappa light chain variable region_L	154	3e-50
CBK51939.1 CDS_L	154	3e-50
DQ322999 DQ322999 Homo sapiens (human) immunoglobulin light chain variable region YV3-14-K1-L	154	3e-50
ABC67121.1 immunoglobulin light chain variable region YV3-14-K1-L	154	3e-50
HQ378461 HQ378461 Homo sapiens (human) anti-vaccinia virus immunoglobulin light chain variable region_L	154	3e-50
ADU57791.1 anti-vaccinia virus immunoglobulin light chain variable region_L	154	3e-50
CAT03446.1 CDS_L	154	3e-50
CAT03447.1 CDS_L	154	3e-50
DQ841017 DQ841017 Homo sapiens (human) immunoglobulin light chain variable region_L	154	4e-50
ABI74090.1 immunoglobulin light chain variable region_L	154	4e-50
AX082140 AX082140 Homo sapiens (human)	154	4e-50
CAP17218.1 CDS_L	154	4e-50
CAL41179.1 CDS_L	154	4e-50
CAK22376.1 CDS_L	154	4e-50
CAC33140.1 CDS_L	154	4e-50
DQ187685 DQ187685 Homo sapiens (human) immunoglobulin light chain variable region_L	154	4e-50
ABA26221.1 immunoglobulin light chain variable region_L	154	4e-50
AAK09211.1 recombinant antibody light chain VL domain_L	153	5e-50
DQ187533 DQ187533 Homo sapiens (human) immunoglobulin light chain variable region_L	153	5e-50
ABA26069.1 immunoglobulin light chain variable region_L	153	5e-50
K004778 HF2-1/17_L	153	6e-50
EF589555 EF589555 Homo sapiens (human) immunoglobulin kappa 1 light chain_L	153	6e-50
ABU90716.1 immunoglobulin kappa 1 light chain_L	153	6e-50
AAB62946.1 immunoglobulin kappa light chain V region_L	153	6e-50
AAV33464.1 anti-rabies virus immunoglobulin light chain variable region_L	153	6e-50
AAV33339.1 anti-rabies virus immunoglobulin light chain variable region_L	153	7e-50
BAH04716.1 immunoglobulin kappa light chain_L	153	8e-50
AAV33463.1 anti-rabies virus immunoglobulin light chain variable region_L	152	1e-49
BAC01678.1 immunoglobulin kappa light chain VLJ region_L	157	1e-49
K024163 B8801_L	152	1e-49
AY686921 AY686921 Homo sapiens (human) rotavirus-specific intestinal antibody light chain variable region_L	152	1e-49
AAW67413.1 rotavirus-specific intestinal-homing antibody light chain variable region_L	152	1e-49
JX420440 JX420440 Homo sapiens (human) immunoglobulin kappa light chain variable region_L	152	1e-49
AFR53522.1 immunoglobulin kappa light chain variable region_L	152	1e-49
DQ840993 DQ840993 Homo sapiens (human) immunoglobulin light chain variable region_L	152	1e-49
ABI74066.1 immunoglobulin light chain variable region_L	152	1e-49
K019288 I.42_L	152	2e-49
AF193851 AF193851 Homo sapiens (human) immunoglobulin light chain variable region_L	152	2e-49
AAF35179.1 immunoglobulin light chain variable region_L	152	2e-49
DQ187689 DQ187689 Homo sapiens (human) immunoglobulin light chain variable region_L	152	2e-49
ABA26225.1 immunoglobulin light chain variable region_L	152	2e-49
AAV33350.1 anti-rabies virus immunoglobulin light chain variable region_L	152	2e-49
DQ187660 DQ187660 Homo sapiens (human) immunoglobulin light chain variable region_L	152	2e-49
ABA26196.1 immunoglobulin light chain variable region_L	152	2e-49
AAC08341.1 monoclonal antibody HW1 immunoglobulin light chain variable region_L	152	2e-49
BAH04692.1 immunoglobulin kappa light chain_L	152	2e-49
DQ187541 DQ187541 Homo sapiens (human) immunoglobulin light chain variable region_L	152	2e-49
ABA26077.1 immunoglobulin light chain variable region_L	152	2e-49

AAF05690.1 anti-phospholipid immunoglobulin light chain VL-J-C r...	152	3e-49
DQ187542 DQ187542 Homo sapiens (human) immunoglobulin light chai...	151	3e-49
ABA26078.1 immunoglobulin light chain variable region_L	151	3e-49
AX354835 AX354835 Homo sapiens (human)	151	3e-49
CAD22994.1 CDS_L	151	3e-49
K004779 2E7_L	151	3e-49
AAA62364.1 immunoglobulin kappa-chain VK-1_L	151	3e-49
FR820880 FR820880 Homo sapiens (human) immunoglobulin kappa vari...	151	4e-49
CBZ39890.1 immunoglobulin kappa variable 1-39_L	151	4e-49
AAZ09096.1 immunoglobulin kappa light chain variable region_L	151	4e-49
BAH04870.1 immunoglobulin kappa light chain_L	151	4e-49
AAW69123.1 anti-tetanus toxoid immunoglobulin light chain variab...	151	4e-49
K047990 B27_L	151	4e-49
AAC97100.1 kappa 1 immunoglobulin light chain variable region_L	151	4e-49
AAA86778.1 IGKV_L	152	4e-49
CAJ13490.1 immunoglobulin kappa chain variable region_L	151	4e-49
K004743 STRAb SA-1A_L	151	4e-49
CAT81412.1 CDS_L	151	4e-49
AAV33433.1 anti-rabies virus immunoglobulin light chain variable...	151	4e-49
DQ187490 DQ187490 Homo sapiens (human) immunoglobulin light chai...	151	4e-49
ABA26026.1 immunoglobulin light chain variable region_L	151	4e-49
BAH04687.1 immunoglobulin kappa light chain_L	151	5e-49
AY033537 AY033537 Homo sapiens (human) anti-acetylcholine recept...	151	5e-49
AAK61516.1 anti-acetylcholine receptor immunoglobulin kappa ligh...	151	5e-49
DQ322885 DQ322885 Homo sapiens (human) immunoglobulin light chai...	150	5e-49
ABC67007.1 immunoglobulin light chain variable region EV4-4-K1-75_L	150	5e-49
CAA51147.1 Ig kappa light chain (VJ)_L	151	6e-49
AY247660 AY247660 Homo sapiens (human) anti-HLA-A2/A28 immunoglo...	150	6e-49
AA091645.1 anti-HLA-A2/A28 immunoglobulin light chain variable r...	150	6e-49
AJ697898 AJ697898 Homo sapiens (human) immunoglobulin kappa ligh...	150	6e-49
CAG27031.1 immunoglobulin kappa light chain variable region_L	150	6e-49
CAS92727.1 CDS_L	154	6e-49
DQ322739 DQ322739 Homo sapiens (human) immunoglobulin light chai...	151	6e-49
ABC66861.1 immunoglobulin light chain variable region EM1-PPS-4-...	151	6e-49
CAI46853.1 CDS_L	150	6e-49
EF589477 EF589477 Homo sapiens (human) immunoglobulin kappa 1 li...	150	7e-49
ABU90638.1 immunoglobulin kappa 1 light chain_L	150	7e-49
K035387 Vklav85_L	150	7e-49
AY240163 AY240163 Homo sapiens (human) anti-HAV capsid immunoglo...	150	7e-49
AA086900.1 anti-HAV capsid immunoglobulin G light chain variable...	150	7e-49
K020106 Fog-1_L	150	7e-49
AAV33461.1 anti-rabies virus immunoglobulin light chain variable...	150	8e-49
DQ322724 DQ322724 Homo sapiens (human) immunoglobulin light chai...	150	8e-49
ABC66846.1 immunoglobulin light chain variable region EM1-PPS-14-...	150	8e-49
AAD56280.1 myosin-reactive immunoglobulin light chain variable r...	150	8e-49
JN557816 JN557816 Homo sapiens (human) immunoglobulin light chain	150	8e-49
AEW66749.1 immunoglobulin light chain_L	150	8e-49
3HMX_1_L	154	9e-49
3HMM_1_L	154	9e-49
DQ187686 DQ187686 Homo sapiens (human) immunoglobulin light chai...	150	9e-49
ABA26222.1 immunoglobulin light chain variable region_L	150	9e-49
AAC08340.1 monoclonal antibody MAX10 immunoglobulin light chain ...	150	9e-49
DQ021410 DQ021410 Homo sapiens (human) immunoglobulin light chai...	150	1e-48
AAV42881.1 immunoglobulin light chain variable region_L	150	1e-48
AJ408551 AJ408551 Homo sapiens (human) immunoglobulin kappa chai...	150	1e-48
CAC27678.1 immunoglobulin kappa chain variable region_L	150	1e-48
K040076 P5_L	150	1e-48
CAA67403.1 immunoglobulin kappa light chain_L	150	1e-48
AAZ09049.1 immunoglobulin kappa light chain variable region_L	150	1e-48
CAA75129.1 immunoglobulin variable region, kappa light chain_L	150	1e-48
K019250 I.52_L	150	1e-48
K019266 I.40_L	150	1e-48
K023663 ITH5-2_L	150	1e-48
AAB34102.1 anti-HIV1 envelope protein gp120 V3 loop monoclonal a...	150	1e-48
BAH04725.1 immunoglobulin kappa light chain_L	149	1e-48
DQ172575 DQ172575 Homo sapiens (human) immunoglobulin kappa ligh...	150	1e-48
ABA70836.1 immunoglobulin kappa light chain variable region_L	150	1e-48
BAH04750.1 immunoglobulin kappa light chain_L	149	1e-48
AY686912 AY686912 Homo sapiens (human) rotavirus-specific intest...	150	2e-48
AAW67411.1 rotavirus-specific intestinal-homing antibody light c...	150	2e-48
CAJ13477.1 immunoglobulin kappa chain variable region_L	149	2e-48
DQ187488 DQ187488 Homo sapiens (human) immunoglobulin light chai...	149	2e-48
ABA26024.1 immunoglobulin light chain variable region_L	149	2e-48
AAV33377.1 anti-rabies virus immunoglobulin light chain variable...	149	2e-48
AAV33422.1 anti-rabies virus immunoglobulin light chain variable...	149	2e-48
BAH04868.1 immunoglobulin kappa light chain_L	149	2e-48
BAH04867.1 immunoglobulin kappa light chain_L	149	2e-48
CAA51130.1 Ig kappa light chain (VJC)_L	150	2e-48
BAC01563.1 immunoglobulin kappa light chain VLJ region_L	149	2e-48

# HyHEL-5 Heavy

Sequences producing significant alignments:	Score (bits)	E Value
3DIF_0_B	356	e-126
3DIF_0_D	356	e-126
4UOM_0_H	352	e-125
3DGG_0_B	337	e-119
3DGG_0_D	337	e-119
CBW46117.1 CDS_H	338	e-116
4AL8_0_H	311	e-109
1AXS_0_B	298	e-104
1AXS_0_H	298	e-104
2ZKH_0_H	296	e-103
4QCI_0_B	290	e-100
4QCI_0_H	290	e-100
3SQ0_0_H	283	1e-97
S65761 S65761 Homo sapiens (human) anti-colorectal carcinoma hea...	291	1e-97
AAB28159.1 anti-colorectal carcinoma heavy chain_H	291	1e-97
1IKF_0_H	282	3e-97
10PG_0_H	280	1e-96
2FEE_0_I	276	8e-95
2FEE_0_J	276	8e-95
2FED_0_E	276	8e-95
2FED_0_C	276	8e-95
2FEC_0_I	276	8e-95
2FEC_0_J	276	8e-95
1H0D_0_B	275	1e-94
3FCT_0_B	271	2e-93
3FCT_0_D	271	2e-93
4HCR_0_H	271	6e-93
4HCR_0_M	271	6e-93
3ULV_0_F	269	3e-92
3ULU_0_F	269	3e-92
4YGV_0_F	268	1e-91
4YGV_0_A	268	1e-91
1I9R_0_K	267	2e-91
1I9R_0_X	267	2e-91
1I9R_0_H	267	2e-91
1AD9_0_B	266	6e-91
1AD9_0_H	266	6e-91
1MIM_0_H	265	2e-90
CAI48018.1 anti-HBs antibody IgG Fd fragment_H	264	5e-90
AX306527 AX306527 Homo sapiens (human)	271	6e-90
AX304998 AX304998 Homo sapiens (human)	271	6e-90
CCA64138.1 CDS_H	271	6e-90
CBX54681.1 CDS_H	271	6e-90
CAD19047.1 CDS_H	271	6e-90
CAD19025.1 CDS_H	271	6e-90
4UOK_0_A	262	1e-89
3D85_0_B	263	1e-89
3NFS_0_H	260	7e-89
3NFP_0_A	260	7e-89
3NFP_0_H	260	7e-89
2RCS_1_H	260	1e-88
1AJ7_1_H	260	1e-88
CAT05563.1 CDS_H	268	2e-88
3ZKM_0_C	259	3e-88
3ZKM_1_H	259	3e-88
4JPK_0_H	259	4e-88
4KQ3_0_H	258	4e-88
4JPI_0_A	259	4e-88
4JPI_0_H	259	4e-88
3GKW_0_H	258	9e-88
3U0T_0_B	257	1e-87
3U0T_0_D	257	1e-87
3HC4_0_H	257	1e-87
1B4J_0_H	257	2e-87
4JDV_0_A	257	2e-87
4JDV_0_H	257	2e-87
4JDT_0_H	257	2e-87
4IDJ_0_H	257	2e-87
3HC0_0_A	256	4e-87
3HC0_0_H	256	4e-87
4HK3_0_J	256	5e-87
3SM5_0_J	256	6e-87
3SM5_0_I	256	6e-87

3SM5_0_H	256	6e-87
4WUK_0_H	256	6e-87
AAG00910.2 recombinant IgG2 heavy chain_H	263	7e-87
3HC3_0_H	255	7e-87
4KHT_0_H	255	1e-86
3MA9_0_H	255	1e-86
1T04_0_B	254	1e-86
1T04_0_D	254	1e-86
1T3F_0_B	254	2e-86
BAA82101.1 anti-Entamoeba histolytica immunoglobulin gamma heavy...	253	7e-86
1FH5_0_H	251	1e-85
1HKL_0_H	252	1e-85
1GAF_0_H	252	1e-85
4IRZ_0_H	252	2e-85
BAC85483.1 CDS_H	260	2e-85
4HK0_0_C	252	2e-85
4HK0_0_A	252	2e-85
4HJ0_0_C	252	2e-85
4HJ0_0_P	252	2e-85
4DN4_0_H	251	3e-85
4DN3_0_H	251	3e-85
CAS97698.1 CDS_H	259	3e-85
1ZA6_0_B	255	4e-85
1ZA6_0_F	255	4e-85
1ZA6_0_D	255	4e-85
1ZA6_0_H	255	4e-85
CBG76710.1 CDS_H	251	5e-85
CAC69724.1 CDS_H	251	5e-85
3JW0_0_H	251	5e-85
3JWD_0_P	251	5e-85
3JWD_0_H	251	5e-85
4DVR_0_H	250	6e-85
1RZ7_0_H	250	6e-85
3QCV_0_I	250	9e-85
3QCV_0_H	250	9e-85
3QCU_0_I	250	9e-85
3QCU_0_H	250	9e-85
3QCT_0_H	250	9e-85
4XAK_0_D	251	1e-84
4XAK_0_H	251	1e-84
CBG76709.1 CDS_H	250	2e-84
CAC69723.1 CDS_H	250	2e-84
1RZI_0_B	249	2e-84
1RZI_0_N	249	2e-84
1RZI_0_F	249	2e-84
1RZI_0_P	249	2e-84
1RZI_0_J	249	2e-84
1RZI_0_D	249	2e-84
1RZI_0_L	249	2e-84
1RZI_0_H	249	2e-84
3MXW_0_H	249	2e-84
1UJ3_0_B	249	3e-84
5ANM_0_D	249	3e-84
5ANM_0_H	249	3e-84
5ANM_0_B	249	3e-84
2JB6_0_B	249	4e-84
2JB6_0_H	249	4e-84
2JB5_0_H	249	4e-84
4IMK_0_A	249	4e-84
4IMK_0_B	249	4e-84
4KHX_0_H	249	4e-84
3MAC_0_H	249	4e-84
4KXZ_0_N	248	5e-84
4KXZ_0_J	248	5e-84
4KXZ_0_H	248	5e-84
4KXZ_0_Q	248	5e-84
AB776831 AB776831 Homo sapiens (human) IgG H chain	251	7e-84
BAN63124.1 IgG H chain_H	251	7e-84
CAS92702.1 CDS_H	255	1e-83
AAR88369.1 anti-HIV-1 gp120 immunoglobulin 48d heavy chain_H	247	1e-83
CAS92600.1 CDS_H	255	1e-83
2G75_0_C	248	2e-83
2G75_0_A	248	2e-83
2DD8_0_H	248	2e-83
4KY1_0_H	246	2e-83
2CMR_0_H	246	3e-83
3NAC_0_H	246	4e-83
4NWT_0_H	246	4e-83
3NAB_0_H	246	6e-83

# HyHEL-5 Light

Sequences producing significant alignments:	Score (bits)	E Value
2ZKH_1_L	390	e-140
2FEE_0_L	385	e-138
2FEE_1_O	385	e-138
2FED_0_F	385	e-138
2FED_1_D	385	e-138
2FEC_0_L	385	e-138
2FEC_1_O	385	e-138
3DGG_0_A	346	e-123
3DGG_1_C	346	e-123
4UOK_1_L	344	e-122
4IDJ_1_L	344	e-122
CBW46118.1 CDS_L	344	e-121
1FH5_1_L	341	e-121
3DIF_0_A	337	e-119
3DIF_1_C	337	e-119
1IKF_1_L	337	e-119
10PG_1_L	335	e-118
4AL8_1_L	333	e-118
1H0D_1_A	327	e-115
CBM42819.1 CDS_L	299	e-104
1MIM_1_L	290	e-101
CAT05561.1 CDS_L	290	e-100
4UOM_1_L	285	5e-99
4K7P_1_X	279	2e-96
4JLR_0_B	279	2e-96
4JLR_1_L	279	2e-96
1QLR_0_A	276	3e-95
1QLR_1_C	276	3e-95
1DN0_0_A	276	3e-95
1DN0_1_C	276	3e-95
3NFS_1_L	275	5e-95
3NFP_0_B	275	5e-95
3NFP_1_L	275	5e-95
1AD0_0_A	275	6e-95
1AD0_1_C	275	6e-95
3B2V_1_L	274	2e-94
3B2U_0_R	274	2e-94
3B2U_0_D	274	2e-94
3B2U_0_K	274	2e-94
3B2U_0_U	274	2e-94
3B2U_0_O	274	2e-94
3B2U_0_G	274	2e-94
3B2U_0_L	274	2e-94
3B2U_1_X	274	2e-94
1I9R_0_M	271	2e-93
1I9R_0_Y	271	2e-93
1I9R_1_L	271	2e-93
CAS92631.1 CDS_L	271	4e-93
CAS92679.1 CDS_L	271	5e-93
CAV30486.1 CDS_L	270	6e-93
BAC53922.1 anti CD4 antibody_L	270	7e-93
AB608262 AB608262 Homo sapiens (human) immunoglobulin VH_6c kapp...	270	7e-93
AB608261 AB608261 Homo sapiens (human) immunoglobulin VH_5c kapp...	270	7e-93
BAK48746.1 immunoglobulin VH_6c kappa chain_L	270	7e-93
BAK48745.1 immunoglobulin VH_5c kappa chain_L	270	7e-93
3EYQ_1_C	270	1e-92
3KYM_0_A	269	2e-92
3KYM_0_M	269	2e-92
3KYM_0_E	269	2e-92
3KYM_0_O	269	2e-92
3KYM_0_I	269	2e-92
3KYM_0_C	269	2e-92
3KYM_0_K	269	2e-92
3KYM_1_G	269	2e-92
3KYK_1_L	269	2e-92
AB064129 AB064129 Homo sapiens (human) immunoglobulin kappa ligh...	271	2e-92
BAC01757.1 immunoglobulin kappa light chain VLJ region_L	271	2e-92
3F12_0_A	269	2e-92
3F12_1_C	269	2e-92
4PTU_1_A	269	2e-92
4PTT_1_A	269	2e-92
4JHW_1_L	269	3e-92
4JHA_1_L	269	3e-92

3L7F_0_A	269	3e-92
3L7F_0_L	269	3e-92
3L7F_1_D	269	3e-92
3L5X_1_L	269	3e-92
BAC01697.1 immunoglobulin kappa light chain VLJ region_L	271	3e-92
3GIZ_1_L	268	3e-92
3WD5_1_L	268	4e-92
4NYL_0_F	268	6e-92
4NYL_0_D	268	6e-92
4NYL_0_B	268	6e-92
4NYL_1_L	268	6e-92
CAZ68026.1 CDS_L	268	6e-92
BAF64543.1 immunoglobulin light chain_L	268	6e-92
4PS4_1_L	268	6e-92
CAV30489.1 CDS_L	268	6e-92
4JDV_0_B	268	6e-92
4JDV_1_L	268	6e-92
3HI6_0_Y	268	7e-92
3HI6_1_L	268	7e-92
3HI5_1_L	268	7e-92
3W9E_1_B	268	8e-92
3W9D_0_D	268	8e-92
3W9D_1_B	268	8e-92
4KQ3_1_L	267	9e-92
4FQL_1_L	267	1e-91
4JPK_1_L	267	1e-91
4JPI_0_B	267	1e-91
4JPI_1_L	267	1e-91
BAF64541.1 immunoglobulin light chain_L	266	2e-91
BAF64542.1 immunoglobulin light chain_L	266	2e-91
ACI46031.1 epididymis luminal protein 213_L	267	2e-91
4ZS6_0_D	266	2e-91
4ZS6_1_L	266	2e-91
40QT_1_L	266	2e-91
CBG76706.1 CDS_L	266	3e-91
CAC69720.1 CDS_L	266	3e-91
4YPG_0_A	266	3e-91
4YPG_1_L	266	3e-91
5CSZ_0_B	266	3e-91
5CSZ_1_L	266	3e-91
4HHA_1_A	266	3e-91
4HH9_0_A	266	3e-91
4HH9_1_C	266	3e-91
AB064113 AB064113 Homo sapiens (human) immunoglobulin kappa ligh...	268	3e-91
BAC01741.1 immunoglobulin kappa light chain VLJ region_L	268	3e-91
BAC01696.1 immunoglobulin kappa light chain VLJ region_L	268	4e-91
4MWF_0_B	266	4e-91
4MWF_1_L	266	4e-91
CBF14159.1 CDS_L	266	4e-91
CBF14111.1 CDS_L	266	4e-91
BAC01670.1 immunoglobulin kappa light chain VLJ region_L	268	4e-91
4DN4_1_L	266	5e-91
4DN3_1_L	266	5e-91
CS583743 CS583743 Homo sapiens (human)	265	6e-91
CAN87423.1 CDS_L	265	6e-91
AB064052 AB064052 Homo sapiens (human) immunoglobulin kappa ligh...	266	6e-91
BAC01680.1 immunoglobulin kappa light chain VLJ region_L	266	6e-91
CAS97699.1 CDS_L	266	6e-91
EF589464 EF589464 Homo sapiens (human) immunoglobulin kappa 1 li...	265	7e-91
ABU90625.1 immunoglobulin kappa 1 light chain_L	265	7e-91
BAC01698.1 immunoglobulin kappa light chain VLJ region_L	267	8e-91
5DK3_0_A	265	8e-91
5DK3_1_F	265	8e-91
2NZ9_0_E	265	9e-91
2NZ9_1_C	265	9e-91
2NYY_1_C	265	9e-91
BAC01768.1 immunoglobulin kappa light chain VLJ region_L	266	9e-91
4HS6_0_A	265	9e-91
4HS6_1_L	265	9e-91
CCF71001.1 CDS_L	266	1e-90
BAC01738.1 immunoglobulin kappa light chain VLJ region_L	267	1e-90
BAC01724.1 immunoglobulin kappa light chain VLJ region_L	267	1e-90
4M60_1_L	265	1e-90
2FGW_1_L	265	1e-90
CA002316.1 CDS_L	265	1e-90
1AXS_0_A	265	1e-90
1AXS_1_L	265	1e-90
4DGY_1_L	265	1e-90
4DGV_1_L	265	1e-90



# 4D5 Heavy

Sequences producing significant alignments:	Score (bits)	E Value
2RCS_1_H	194	4e-64
1AJ7_1_H	194	4e-64
1FVC_0_B	190	6e-64
1FVC_0_D	190	6e-64
4HKZ_0_B	190	1e-62
4UB0_0_H	190	1e-62
1FVE_0_B	190	1e-62
1FVE_0_D	190	1e-62
3BE1_0_H	190	1e-62
4IOI_0_B	189	2e-62
4HJG_0_B	189	2e-62
1HKL_0_H	186	2e-61
1GAF_0_H	186	2e-61
1FVD_0_B	185	7e-61
1FVD_0_D	185	7e-61
CS490801 CS490801 Homo sapiens (human)	181	4e-60
CAM57950.1 CDS_H	181	4e-60
3B9V_0_A	178	2e-59
3B9V_0_D	178	2e-59
3B9V_0_C	178	2e-59
3B9V_1_B	178	2e-59
4IRZ_0_H	180	9e-59
K044446 HNK20 hu7_H	167	4e-55
K020397 B-B10 M0_H	166	2e-54
K044447 HNK20 hu10_H	165	3e-54
1UJ3_0_B	167	1e-53
K036046 antiTac_H	159	8e-52
4U0M_0_H	161	2e-51
4KY1_0_H	160	6e-51
3DIF_0_B	159	2e-50
3DIF_0_D	159	2e-50
K024872 HUMANIZED ANTI-TAC_H	154	4e-50
K038671 GB4v2.0_H	154	5e-50
1JPT_0_H	157	9e-50
1JPS_0_H	157	9e-50
4AL8_0_H	157	9e-50
K044561 Tmu75_H	154	9e-50
AAA17848.1 immunoglobulin heavy chain variable region_H	154	9e-50
1AXS_0_B	157	1e-49
1AXS_0_H	157	1e-49
K037656 BLY3_H	153	2e-49
CBN73457.1 CDS_H	152	6e-49
CBN73439.1 CDS_H	152	6e-49
CBN73421.1 CDS_H	152	6e-49
CBN73403.1 CDS_H	152	6e-49
CAS97437.1 CDS_H	152	6e-49
3NFS_0_H	154	8e-49
3NFP_0_A	154	8e-49
3NFP_0_H	154	8e-49
3FCT_0_B	152	5e-48
3FCT_0_D	152	5e-48
2FJH_0_B	152	6e-48
2FJH_0_H	152	6e-48
BAH04538.1 immunoglobulin heavy chain_H	149	1e-47
CBX54367.1 CDS_H	148	1e-47
1WT5_0_A	148	2e-47
1WT5_0_B	148	2e-47
AAA52833.1 Ig H-chain (C-D-JH4) precursor_H	148	2e-47
BAH04596.1 immunoglobulin heavy chain_H	148	3e-47
3MXW_0_H	150	3e-47
JX027411 JX027411 Homo sapiens (human) immunoglobulin heavy chai...	147	3e-47
AFK77962.1 immunoglobulin heavy chain variable region_H	147	3e-47
3D85_0_B	150	4e-47
K046243 DN 14_H	147	4e-47
K000019 WIL2_H	147	4e-47
1I9R_0_K	150	5e-47
1I9R_0_X	150	5e-47
1I9R_0_H	150	5e-47
DQ524130 DQ524130 Homo sapiens (human) immunoglobulin heavy chai...	147	5e-47
ABI35642.1 immunoglobulin heavy chain variable region_H	147	5e-47
K044536 Amu47-2_H	147	5e-47
AAA17971.1 immunoglobulin heavy chain variable region_H	147	5e-47
CBW46117.1 CDS_H	156	7e-47

BAH04528.1 immunoglobulin heavy chain_H	147	8e-47
K000018 UC_H	146	8e-47
K039734 UCVH_H	146	8e-47
HQ378406 HQ378406 Homo sapiens (human) anti-vaccinia virus immun...	146	9e-47
ADU57736.1 anti-vaccinia virus immunoglobulin heavy chain variab...	146	9e-47
AAC09108.1 IgM heavy chain variable region_H	146	9e-47
AX167741 AX167741 Homo sapiens (human)	146	1e-46
CAC43594.1 CDS_H	146	1e-46
K000740 HuFd138-80_H	146	1e-46
K037654 B43_H	146	1e-46
AAB34429.1 anti-CD19 antibody heavy chain variable region_H	146	1e-46
AAA52855.1 IgH_H	147	1e-46
ABM67212.1 immunoglobulin heavy chain variable region_H	146	1e-46
ABM67163.1 immunoglobulin heavy chain variable region_H	146	1e-46
DQ065697 DQ065697 Homo sapiens (human) immunoglobulin epsilon he...	145	2e-46
ABA00107.1 immunoglobulin epsilon heavy chain variable region_H	145	2e-46
BAH04588.1 immunoglobulin heavy chain_H	145	2e-46
1AD9_0_B	149	2e-46
1AD9_0_H	149	2e-46
CAC07568.1 CDS	156	2e-46
AAW68500.1 anti-tetanus toxoid immunoglobulin heavy chain variab...	145	2e-46
3ULV_0_F	149	2e-46
3ULU_0_F	149	2e-46
ABI50588.1 immunoglobulin heavy chain variable region_H	145	2e-46
AY846275 AY846275 Homo sapiens (human) immunoglobulin epsilon he...	145	2e-46
AAX54505.1 immunoglobulin epsilon heavy chain variable region_H	145	2e-46
AAK68009.1 immunoglobulin heavy chain variable region_H	145	2e-46
BAH04594.1 immunoglobulin heavy chain_H	145	2e-46
BAC01455.1 immunoglobulin heavy chain VHDJ region_H	145	3e-46
AAY23310.1 immunoglobulin heavy chain variable region_H	144	4e-46
ABM67190.1 immunoglobulin heavy chain variable region_H	145	4e-46
GU570246 GU570246 Homo sapiens (human) immunoglobulin heavy chai...	144	5e-46
ADW08122.1 immunoglobulin heavy chain variable region_H	144	5e-46
AAP97933.1 immunoglobulin heavy chain variable region_H	144	5e-46
CAB75705.1 immunoglobulin gamma heavy chain variable region_H	144	6e-46
AAD53753.1 immunoglobulin heavy chain variable region precursor_H	145	6e-46
3DGG_0_B	147	6e-46
3DGG_0_D	147	6e-46
AY686893 AY686893 Homo sapiens (human) rotavirus-specific intest...	144	7e-46
AAW67372.1 rotavirus-specific intestinal-homing antibody heavy c...	144	7e-46
BAC01987.1 immunoglobulin heavy chain VHDJ region_H	144	7e-46
K044489 Agamma11-3_H	144	7e-46
AAA17924.1 immunoglobulin heavy chain variable region_H	144	7e-46
AAM90685.1 thyroid peroxidase autoantibody heavy chain variable ...	144	7e-46
AAD53853.1 immunoglobulin heavy chain variable region_H	144	7e-46
GU570215 GU570215 Homo sapiens (human) immunoglobulin heavy chai...	144	7e-46
ADW08091.1 immunoglobulin heavy chain variable region_H	144	7e-46
K040597 14_H	144	8e-46
AAB42094.1 platelet membrane glycoprotein Ib (GPIb) specific ant...	144	8e-46
HM995291 HM995291 Homo sapiens (human) immunoglobulin variable r...	144	9e-46
ADX65163.1 immunoglobulin variable region_H	144	9e-46
CAJ31429.1 immunoglobulin heavy chain variable region_H	144	9e-46
AAV33252.1 anti-rabies virus immunoglobulin heavy chain variable...	144	9e-46
K030809 FIE_H	144	1e-45
AAD53763.1 immunoglobulin heavy chain variable region precursor_H	144	1e-45
AAC18293.1 immunoglobulin heavy chain variable region_H	144	1e-45
2WUC_0_H	147	1e-45
2WUB_0_R	147	1e-45
2WUB_0_H	147	1e-45
ACJ71708.1 immunoglobulin mu heavy chain variable region_H	144	1e-45
3HC4_0_H	146	1e-45
HQ378402 HQ378402 Homo sapiens (human) anti-vaccinia virus immun...	144	1e-45
ADU57732.1 anti-vaccinia virus immunoglobulin heavy chain variab...	144	1e-45
2QR0_0_R	147	1e-45
2QR0_0_B	147	1e-45
2QR0_0_F	147	1e-45
2QR0_0_H	147	1e-45
2QR0_0_L	147	1e-45
2QR0_0_X	147	1e-45
2QR0_0_N	147	1e-45
2QR0_0_T	147	1e-45
4YGV_0_F	147	1e-45
4YGV_0_A	147	1e-45
DQ523940 DQ523940 Homo sapiens (human) immunoglobulin heavy chai...	143	1e-45
ABI35452.1 immunoglobulin heavy chain variable region_H	143	1e-45
AGW82524.1 monoclonal antibody CH77 heavy chain_H	143	1e-45
3G6J_0_F	146	2e-45
3G6J_0_H	146	2e-45
K037010 HuMc3_H	143	2e-45

# 4D5 Light

Sequences producing significant alignments:	Score (bits)	E Value
3DIF_0_A	200	6e-67
3DIF_1_C	200	6e-67
CBN73455.1 CDS_L	185	2e-62
CBN73437.1 CDS_L	185	2e-62
CBN73419.1 CDS_L	185	2e-62
CBN73401.1 CDS_L	185	2e-62
CAS97435.1 CDS_L	185	2e-62
CBN73456.1 CDS_L	184	5e-62
CBN73438.1 CDS_L	184	5e-62
CBN73420.1 CDS_L	184	5e-62
CBN73402.1 CDS_L	184	5e-62
CAS97436.1 CDS_L	184	5e-62
1FVC_0_A	182	1e-61
1FVC_1_C	182	1e-61
4HKZ_1_A	184	1e-60
4UB0_1_L	184	1e-60
AX375917 AX375917 Homo sapiens (human)	180	3e-60
CAD26809.1 CDS_L	180	3e-60
1FVE_0_A	181	2e-59
1FVE_1_C	181	2e-59
1FVD_0_A	181	2e-59
1FVD_1_C	181	2e-59
K037000 HuMc3_L	176	8e-59
4AL8_1_L	178	2e-58
4IOI_1_A	177	4e-58
4HJG_1_A	177	4e-58
3FCT_0_A	177	9e-58
3FCT_1_C	177	9e-58
3GRW_1_L	175	4e-57
2R0K_1_L	175	4e-57
2H9G_0_A	175	4e-57
2H9G_1_L	175	4e-57
2FJG_0_A	175	4e-57
2FJG_1_L	175	4e-57
2FJF_0_E	175	4e-57
2FJF_0_O	175	4e-57
2FJF_0_J	175	4e-57
2FJF_0_C	175	4e-57
2FJF_0_W	175	4e-57
2FJF_0_G	175	4e-57
2FJF_0_M	175	4e-57
2FJF_0_S	175	4e-57
2FJF_0_U	175	4e-57
2FJF_0_Q	175	4e-57
2FJF_0_A	175	4e-57
2FJF_1_L	175	4e-57
3S0B_1_L	176	5e-57
3MXW_1_L	174	2e-56
3U30_0_E	173	2e-56
3U30_1_B	173	2e-56
3L95_0_A	171	1e-55
3L95_1_L	171	1e-55
2HFF_0_A	170	4e-55
2HFF_1_L	170	4e-55
2HFG_1_L	169	9e-55
5B01_0_M	169	1e-54
5B01_1_L	169	1e-54
CAC08833.1 CDS_L	174	3e-54
CAC08832.1 CDS_H	174	3e-54
4LLU_0_D	167	5e-54
4LLU_1_B	167	5e-54
1L7I_1_L	167	8e-54
3G6J_0_E	166	9e-54
3G6J_1_G	166	9e-54
CBN73458.1 CDS_L	162	1e-53
CBN73440.1 CDS_L	162	1e-53
CBN73422.1 CDS_L	162	1e-53
CBN73404.1 CDS_L	162	1e-53
CAS97438.1 CDS_L	162	1e-53
4LLW_0_D	165	2e-53
4LLW_1_B	165	2e-53
K045015 hu PR1A3_L	162	3e-53
K044194 Hu PR1A3_L	162	3e-53

4MXW_0_V	165	3e-53
4MXW_1_L	165	3e-53
4MXV_0_E	165	3e-53
4MXV_0_X	165	3e-53
4MXV_1_L	165	3e-53
2QQL_1_L	165	3e-53
2QQK_1_L	165	3e-53
3K2U_1_L	165	4e-53
2WUC_1_L	165	4e-53
2WUB_0_Q	165	4e-53
2WUB_1_L	165	4e-53
CBN73459.1 CDS_L	161	5e-53
CBN73441.1 CDS_L	161	5e-53
CBN73423.1 CDS_L	161	5e-53
CBN73405.1 CDS_L	161	5e-53
CAS97439.1 CDS_L	161	5e-53
4DKE_0_M	164	6e-53
4DKE_1_L	164	6e-53
3R1G_1_L	164	7e-53
3SQ0_1_L	163	2e-52
BAC01558.1 immunoglobulin kappa light chain VLJ region_L	159	3e-52
4KY1_1_L	162	5e-52
4LLY_0_D	162	6e-52
4LLY_1_B	162	6e-52
3N85_1_L	162	9e-52
K024300 VL CLONE 47_L	158	9e-52
BAH04879.1 immunoglobulin kappa light chain_L	158	1e-51
BAH04866.1 immunoglobulin kappa light chain_L	158	1e-51
BAH04863.1 immunoglobulin kappa light chain_L	158	1e-51
BAH04861.1 immunoglobulin kappa light chain_L	158	1e-51
CAA85586.1 immunoglobulin kappa light chain variable region_L	158	1e-51
CAD43020.1 immunoglobulin kappa chain variable region_L	157	1e-51
K036668 IM9_L	157	1e-51
3BE1_1_L	161	1e-51
K019190 I.45_L	157	1e-51
4NNP_0_Y	161	2e-51
4NNP_1_L	161	2e-51
BAH04874.1 immunoglobulin kappa light chain_L	157	2e-51
BAH04871.1 immunoglobulin kappa light chain_L	157	2e-51
1EK3_0_A	157	3e-51
1EK3_1_B	157	3e-51
BAH04774.1 immunoglobulin kappa light chain_L	157	3e-51
BAH04766.1 immunoglobulin kappa light chain_L	157	3e-51
JN234444 JN234444 Homo sapiens (human) anti-Influenza A immunogl...	157	3e-51
AEL31310.1 anti-Influenza A immunoglobulin kappa light chain var...	157	3e-51
K035387 VkJaV85_L	157	3e-51
BAH04763.1 immunoglobulin kappa light chain_L	156	3e-51
HQ378418 HQ378418 Homo sapiens (human) anti-vaccinia virus immun...	156	3e-51
ADU57748.1 anti-vaccinia virus immunoglobulin light chain variab...	156	3e-51
CAA51095.1 Ig kappa light chain (VJ)_L	157	4e-51
3PGF_1_L	160	4e-51
BAH04761.1 immunoglobulin kappa light chain_L	156	4e-51
CAA75129.1 immunoglobulin variable region, kappa light chain_L	156	4e-51
JF894288 JF894288 Homo sapiens (human) immunoglobulin light chai...	156	5e-51
AEK69365.1 immunoglobulin light chain variable region_L	156	5e-51
CBJ24630.1 CDS_L	156	5e-51
CBJ20656.1 CDS_L	156	5e-51
JN234446 JN234446 Homo sapiens (human) anti-Influenza A immunogl...	156	5e-51
AEL31312.1 anti-Influenza A immunoglobulin kappa light chain var...	156	5e-51
4WV1_0_A	159	6e-51
4WV1_1_D	159	6e-51
K004740 LAY_L	155	7e-51
BAH04878.1 immunoglobulin kappa light chain_L	155	8e-51
BAH04877.1 immunoglobulin kappa light chain_L	155	8e-51
BAH04869.1 immunoglobulin kappa light chain_L	155	8e-51
BAH04727.1 immunoglobulin kappa light chain_L	155	8e-51
3P11_1_L	159	8e-51
3P0Y_1_L	159	8e-51
3P0V_0_M	159	8e-51
3P0V_1_L	159	8e-51
4XMM_1_L	159	9e-51
K004743 STRAb SA-1A_L	155	1e-50
CAT81412.1 CDS_L	155	1e-50
DQ187589 DQ187589 Homo sapiens (human) immunoglobulin light chai...	155	1e-50
DQ187586 DQ187586 Homo sapiens (human) immunoglobulin light chai...	155	1e-50
ABA26125.1 immunoglobulin light chain variable region_L	155	1e-50
ABA26122.1 immunoglobulin light chain variable region_L	155	1e-50
1ZA3_0_A	159	1e-50
1ZA3_1_L	159	1e-50