A
Polyreactive
Non-Polyreactive
Mouse IgA
Influenza
HIV
Mouse IgA
Influenza
HIV
Light Chain
CDR1
CDR2
CDR3
Heavy Chain
CDR3
CDR2
CDR1
83
93
135
164
101
97
Sequences Per Dataset
B
Frequency Difference
-0.20
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
0.20
CDR Loop Position
CDR3L
CDR2L
CDR1L
CDR3H
CDR2H
CDR1H
42
24
23
16
15
1
74
43
89
75
104
90
A R N D C Q E G H I L K M F P S T W Y V
Amino Acid
C
Polyreactive
Non-Polyreactive
Serine
Isoleucine
Phenylalanine
Aspartic Acid
Tyrosine
Threonine
Glycine
Proline
Amino Acid Frequency
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
CDR1H
CDR2H
CDR1L
92
93
94
95
96
97
76
77
78
79
80
81
82
32
33
34
35
Amino Acid Position