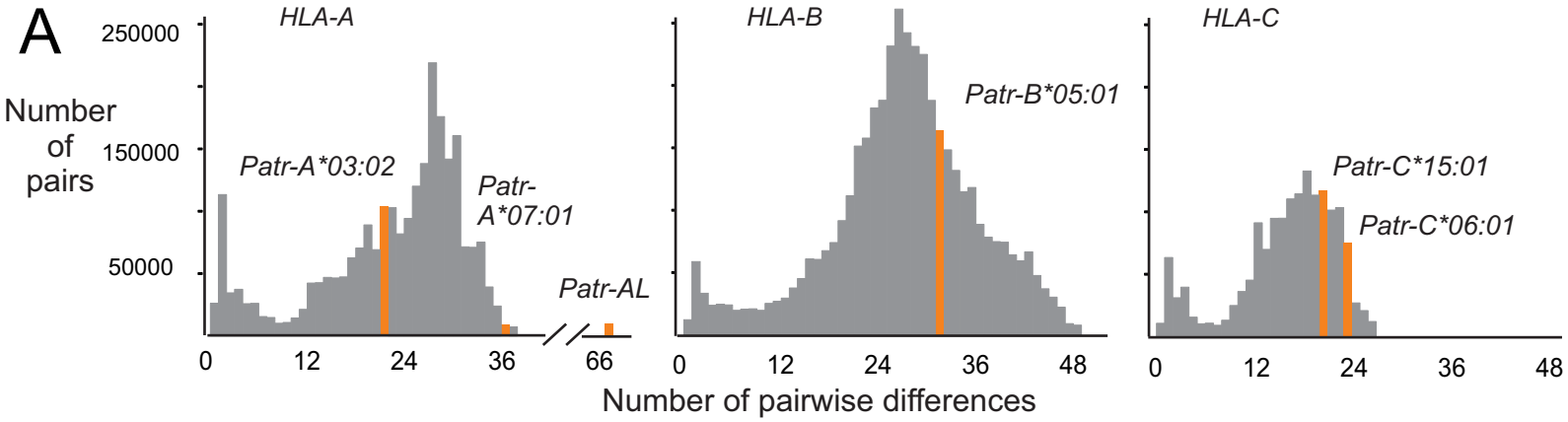
A
HLA-A
HLA-B
HLA-C
Number of pairs
250000
150000
50000
Patr-A*03:02
Patr-A*07:01
Patr-AL
Patr-B*05:01
Patr-C*15:01
Patr-C*06:01
0
12
24
36
66
48
Number of pairwise differences

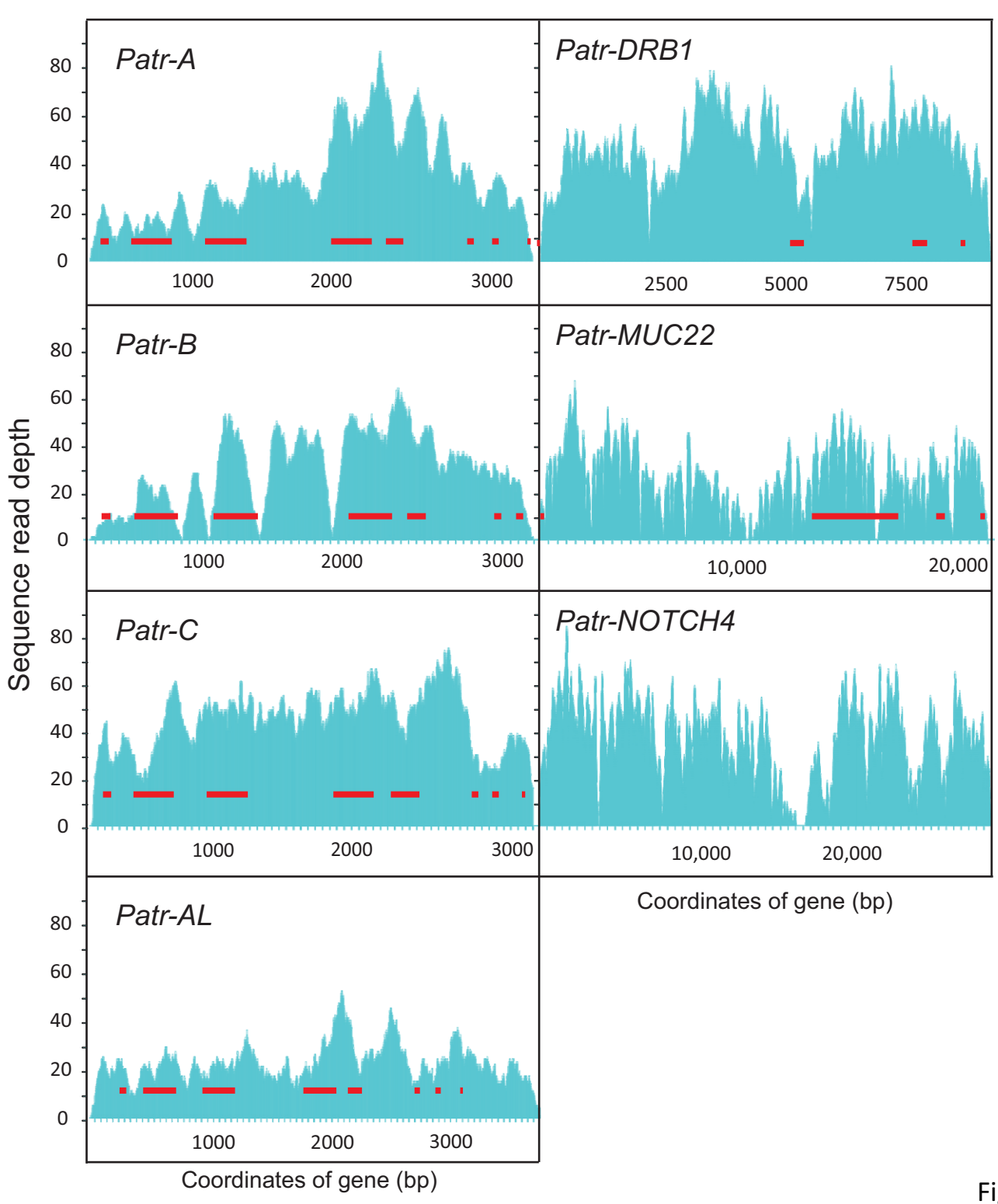
B
Patr-A
Patr-DRB1
Patr-B
Patr-MUC22
Patr-C
Patr-NOTCH4
Patr-AL
Sequence read depth
80
60
40
20
0
1000
2000
3000
2500
5000
7500
10,000
20,000
Coordinates of gene (bp)

Fig. S2