Scale
1 Mb
hg38_2
chr6_GL000251v2_alt:
500,000
1,000,000
1,500,000
2,000,000
2,500,000
3,000,000
3,500,000
4,000,000
4,500,000
variants derived from NyuWa project
blocks of chr22
Blocks chr22
Recombination map of 200 individuals
NCBI RefSeq genes, curated subset (NM_*, NR_*, NP_* or YP_*)
GPX6
GPX5
GPX5
GPX5
ZBED9
ZBED9
LINC00533
HCG14
TRIM27
LINC01556
HCG15
HCG15
ZNF311
ZNF311
LINC01623
ZNF311
ZNF311
ZNF311
LOC100129636
OR2W1
OR2B3
OR2J1
OR2J3
LOC101929006
LOC101929006
OR2J2
OR14J1
OR5V1
OR12D3
OR12D2
OR12D1
OR12D1
OR11A1
OR10C1
OR2H1
OR2H1
MAS1L
LINC01015
LINC01015
LINC01015
SNORD32B
OR2H2
GABBR1
GABBR1
GABBR1
GABBR1
OR2H1
UBD
HCG4
MOG
MOG
MOG
MOG
MOG
MOG
MOG
MOG
MOG
MOG
HLA-A
ZNRD1
HLA-J
ZNRD1ASP
ZNRD1ASP
ZNRD1
ZNRD1
ZNRD1
ZNRD1
HLA-F
PPP1R11
HLA-V
HLA-G
HCP5B
HLA-H
ZNRD1ASP
RNF39
TRIM31
TRIM31
TRIM31
ZFP57
HLA-F
HLA-F
HLA-F-AS1
HLA-F-AS1
IFITM4P
TRIM31-AS1
TRIM40
TRIM10
TRIM10
TRIM15
TRIM39
TRIM39
TRIM39-RPP21
HCG17
RPP21
HLA-L
HCG18
RPP21
RPP21
HLA-E
LINC02569
HCG18
TRIM40
TRIM26
TRIM26
HCG4B
HCG18
HCG18
HCG18
PRR3
GNL1
PRR3
ATAT1
ATAT1
ABCF1
ABCF1
MIR877
PPP1R10
PPP1R10
MRPS18B
ATAT1
ATAT1
ATAT1
ATAT1
C6orf136
C6orf136
C6orf136
DHX16
DHX16
PPP1R18
PPP1R18
IRM
IRM
IRM
IRM
IRM
IRM
IRM
IRM
MDC1
MDC1-AS1
TUBB
TUBB
TUBB
TUBB
TUBB
TUBB
TUBB
FLOT1
FLOT1
IER3-AS1
HCG20
LINC00243
LINC02570
MIR4640
GTF2H4
IER3
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
DDR1
VARS2
VARS2
VARS2
SFTA2
DPCR1
HCG21
MUC21
MUC21
MUC21
MUC22
MUC22
HCG22
HCG22
C6orf15
PSORS1C1
PSORS1C2
CCHCR1
CCHCR1
CCHCR1
POU5F1
POU5F1
POU5F1
POU5F1
POU5F1
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
PSORS1C3
MUC21
MUC22
CDSN
TCF19
TCF19
TCF19
TCF19
HCG27
HLA-C
LINC01149
HLA-B
MIR6891
MICA-AS1
MICA-AS1
HCG26
MICB-DT
MICB
MICB
MICCD1
DDX39B
DDX39B
DDX39B
DDX39B
SNORD117
SNORD84
DDX39B-AS1
DDX39B-AS1
ATP6V1G2
ATP6V1G2
ATP6V1G2
NFKBIL1
NFKBIL1
NFKBIL1
NFKBIL1
TNF
LTB
LTB
LST1
LST1
LST1
LST1
LST1
LST1
LST1
NCR3
NCR3
NCR3
AIF1
ATP6V1G2-DDX39B
LOC100287329
AIF1
AIF1
PRRC2A
PRRC2A
SNORA38
MICA
MICA
MICA
MICA
MICA
MICA
MICA
MICA
MICA
MICA
BAG6
BAG6
BAG6
BAG6
BAG6
BAG6
BAG6
MSH5
MSH5
MSH5
MSH5
MSH5
LTA
LSM2
LTA
LTA
DDAH2
DDAH2
LTA
VWA7
VARS
EHMT2
EHMT2
HSPA1B
EHMT2
EHMT2
ZBTB12
C2-AS1
STK19
STK19
STK19
CYP21A2
CYP21A2
LOC100507547
LOC100507547
LOC100507547
LOC100507547
PPT2-EGFL8
PPT2
PPT2
EGFL8
EGFL8
AGPAT1
AGPAT1
MIR6721
MIR6833
AGER
AGER
AGER
AGER
AGER
AGER
AGER
PBX2
GPSM3
GPSM3
NOTCH4
NOTCH4
NOTCH4
LOC101929163
LOC101929163
LOC101929163
C6orf10
C6orf10
C6orf10
C2
C2
C2
C2
C2
C2
C2
ATF6B
CFB
NEU1
NELFE
SKIV2L
DXO
C4B
TNXB
TNXB
ATF6B
FKBPL
RNF5
AGER
PRRT1
AGER
AGER
AGER
BTNL2
HLA-DRA
HLA-DRB3
HLA-DRB1
HLA-DOA1
HLA-DQB1
HLA-DOA2
HLA-DOB2
HLA-DOB2
PSMB8
PSMB8
PSMB8-AS1
PSMB8-AS1
PSMB8-AS1
PSMB8-AS1
PSMB9
LOC100294145
LOC100294145
HLA-DMB
HLA-DMA
BRD2
BRD2
HLA-DOA
HLA-DPA1
HLA-DPA1
HLA-DPA1
HLA-DPB1
HLA-DPB2
HLA-DOB
HLA-DOA
HLA-DPA1
HLA-DPA1
HLA-DPA1
HLA-DPB1
HLA-DPB2
MIR219A1
HLA-DOB
HLA-DOA
HLA-DPA1
HLA-DPA1
HLA-DPA1
HLA-DPB1
HLA-DPB2