











Probability ws. Deoode Positions














| Peak 3g | Probability ws. Decode Positions Chrom 3 Deoode 20.61 Windowsize 27 | \# 31 of 180 |
| :---: | :---: | :---: |
| $\begin{aligned} & \text {-Log } \\ & \text { Prob } \end{aligned}$ | SelcType = new EA Gene=URB $\quad$ Dist=0 WinSize $=27$ | $\begin{aligned} & \text {-Log } \\ & \text { Prob } \\ & \text { CEd } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 | * | 9 |
| 6. |  | 6 |
| 3 | 为 | 3 |
| 119 | 120121 | 12 |
| cM |  |  |










Peak 5b
Probability ws. Decode Positions
Chrom 5 Decode 95.31 Windawsize 15
\# 43 of 180
SelcType $=$ new EA Gene=ANKRA22 $\quad$ Dist $=0.01$ WinSize $=15$




| Peak $5 ¢$ | Probability ws. Decode Positions Chrom 5 Deoode 143.52 Windawsize 31 | \# 47 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | Selctype $=$ new EA Gene= ARHGAP26 Dist $=0.03$ WinSize $=31$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9. |  | 9 |
| 6 | - | 6 |
| 3 |  | 3 |
| 142 | 143 | 145 |
|  | cM |  |




|  | Probability ws. Decode Positions Chrom 6 Decode 6.14 Mindowsize 19 | \# 50 of 180 |
| :---: | :---: | :---: |
|  | SedcType = old Gene=GMDS Dist=0.14 WinSize = 19 |  |
| Prob |  | Prob |
| Het |  | SFst |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 | $\cdots$ | 9 |
| 6 | ) | 6 |
| 3. |  | 3 |
| 5 | 6 7 | 8 |
|  | dM |  |























\# 76 of 180
Probability ws. Decode Positions
Chrom 8 Decode 5235 Windausize Chrom 8 Deoode 52.35 Windawsize 45
SelcType $=$ new EA Gene=PURG $\quad$ Dist $=0.01$ WinSize $=45$
-Log
Pr 0 b

| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | SelcType = new EA Gene=PURG Dist=0.01 WinSize = 45 | $\begin{aligned} & - \text { Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| :---: | :---: | :---: |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 | ) | 9 |
| 6 | - | 6 |
| 3. | , | 3 |
| 50 | 51525 |  |
|  | dM |  |






| Peak 9a | Probability ws. Decode Positions Chrom 9 Deoode 14.55 Windawsize 31 | \# 81 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Het } \end{gathered}$ | Selctype = old Gene= UHRF2 $\quad$ Dist $=0.04$ WinSize $=31$ | $\begin{aligned} & -\mathrm{Log} \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 |  | 9 |
| 6 |  | 6 |
| 3. | H2 | 3 |
| 13 | 14 15 | 16 |
|  | cm |  |
















| Peak 10g | Probability ws. Decode Positions Chrom 10 Deoode 93.47 Mindawsize 41 | \# 97 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} - \text { Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | Selctype = new EA Gene=P4HA1 $\quad$ Dist $=0$ WinSize $=41$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ | +1 | 15 |
| 12 |  | 12 |
| 9 |  | 9 |
| 6. |  | 6 |
| 3. | Com | 3 |
| 92 | 9694 | 95 |
| cm |  |  |
















| Peak 12a | Probability ws. Decode Positions Chrom 2 Decode 4.21 Windawsize 25 | \# 113 of 180 |
| :---: | :---: | :---: |
| -Log Prob Het | SelcType $=$ dd Gene= CACNAK $\quad$ Dist $=1.04$ WinSize $=25$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2. |  | 12 |
| 9. |  | 9 |
| 6. |  | 6 |
| 3. | $\rightarrow$ | 3 |
| 3 | 45 | 6 |





| Peak 12e | Probability ws. Decode Positions Chrom 22 Deoode 71.26 Windowsize 47 | \# 117 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} -\mathrm{Log} \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | SedcType = old Gene= WNFN1A 4 Dist $=0$ WinSize $=47$ | $\begin{aligned} & \text {-Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 | $A_{4}$ | 9 |
| 6 |  | 6 |
| 3 | 1 | 3 |
| 70 | 71 | 73 |
| dM |  |  |






| 13a | Probability ws. Decode Positions Chrom 13 Deoode 14.32 Windorusize 33 | \# 122 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Het } \end{gathered}$ | SelcType $=$ new EA Gene=ATPAA $2 \quad$ Dist $=0.04$ WinSize $=33$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 |  | 9 |
| 6. |  | 6 |
| 3 |  | 3 |
| 13 | 14 | 16 |


| Peak 13d | Probability ws. Decode Positions Chrom 13 Decode 47.92 Mindowsize 23 | \# 125 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} -\mathrm{Log} \\ \text { Prob } \\ \text { Het } \end{gathered}$ | Sedctype = new EA Gene=NUFIP1 Dist=0.01 WinSize $=23$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2. |  | 12 |
| 9. |  | 9 |
| 6 | 1 | 6 |
| 3. | _ | 3 |
| 46 | 47 49 49 | 50 |
|  | dM |  |





| Peak 14b | Probability ws. Decode Positions Chrom 14 Decode 59.1 Windowsize 53 | \# 131 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text {-Log } \\ \text { Prob } \\ \text { Het } \end{gathered}$ | Sadctupe $=$ old Gene=LOC390482 Dist=0.13 WinSize $=53$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
|  | 世-1 14 | 15 |
| 12 |  | 12 |
| 9 |  | 9 |
| 6 | , | 6 |
| 3. | $\square \square$ | 3 |
| 58 | 59.60 | 61 |
| cm |  |  |




| Peak 14d | Probability ws. Decode Positions Chrom 14 Decode 63.55 Mindawsize 5 | \# 133 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text {-Log } \\ \text { Prob } \\ \text { Het } \end{gathered}$ | Sedctype = new EA Gene= SYNE2 $\quad$ Dist=0.08 WinSize $=57$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | ${ }^{15}$ |
| 2. |  | 12 |
| 9 |  | 9 |
| 6. |  | 6 |
| 3. | , | 3 |
| 62 | $\because 64$ | 65 |





| Peak 15c | Probability ws. Decode Positions Chrom 15 Decode 44.02 Windawsize 63 | \# 138 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text {-Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | Selctype = new EA Gene=FLJ2973 Dist=0 WinSize = \% | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2. |  | 12 |
| 9 |  | 9 |
| 6 |  | 6 |
| 3. | 成 | 3 |
| 42 | 43 44 45 | 46 |
|  | dM |  |














Peak 18c
Probability us. Decode Positions
Chrom 18 Decode 77.75 Windawsize 3
Selctype $=$ new EA Gene=WDR7 $\quad$ Dist $=0.15$ WinSize $=55$
-Log
Prob
-Lo
Pro
H
Prob
Het

| Peak 18d | Probability ws. Decode Positions Chrom 18 Deoode 87.43 Windawsize 15 | \# 153 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | SedcType = old Gene= PLEKHE1 Dist=0.13 WinSize = 15 | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ |  | 15 |
| 2. |  | 12 |
| 9. |  | 9 |
| 6. |  | 6 |
| 3. |  | 3 |
| 86 | 87 | 89 |
| dM |  |  |



| Peak 19a | Probability ws. Decode Positions Ohrom 19 Decode 30.88 Windawsize 65 | \# 154 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} - \text { Log } \\ \text { Prob } \end{gathered}$ | Sedctype = new EA Gene= DOCK6 Dist=0.01 WinSize = $\square_{5}$ | - Log |
| Het |  | SFst |
| ${ }^{5} 1$ |  | 15 |
| 2 |  | 12 |
| 9 | -m | 9 |
| 6 |  | 6 |
| 3. |  | 3 |
| 29 | 30313 | 3 |
|  | cM |  |



| Peak 20b | Probability ws. Decode Positions Chrom 20 Deoode 51.56 Mindawsize 31 | \# 157 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | SelcType $=$ new EA Gene= LOC284788 Dist $=0$ WinSize $=31$ | $\begin{aligned} & \text { - Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| ${ }^{5} 1$ | HH" | 15 |
| 2. |  | 12 |
| 9. |  | 9 |
| 6. | 1 | 6 |
| 3. | - | 3 |
| 50 | 5152 | 54 |
|  | dM |  |






| Peak 21c | Probability ws. Decode Positions Chrom 21 Decode 18.97 Windowsize 6 | \# 162 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} \text { - Log } \\ \text { Prob } \\ \text { Hot } \end{gathered}$ | SelcType $=$ old Gene=PPIAP $\quad$ Dist $=0.14$ WinSize $=\approx 3$ | $\begin{aligned} & \text {-Log } \\ & \text { Prob } \\ & \text { SFst } \end{aligned}$ |
| $\begin{aligned} & 5 \\ & 2 \end{aligned}$ |  | $\left.\right\|^{15}$ |
| 9. |  | 9 |
| 6 | , | 6 |
| 3 | $\cdots \mathrm{B}$ | 3 |
| $\square$ | 18 19 20 | 21 |
| cM |  |  |








Peak 211
Probability ws. Decode Positions
\# 171 of 180 Chrom 21 Decode 67.36 Windawsize $\mathbb{7}$
SelcType $=$ dd Gene=UBE2G2 $\quad$ Dist $=0.03$ WinSize $=17$


Peak 22d
Probability ws. Deoode Positions
\# 175 of 180 Her 22 Deoode 39.68 Windawsize


$$
\begin{gathered}
\text {-Log } \\
\text { Prob } \\
\text { Het }
\end{gathered}
$$






| Peak 22g | Probability ws. Decode Positions Chrom 22 Deoode 75.1 Mindawsize 63 | \# 178 of 180 |
| :---: | :---: | :---: |
| $\begin{gathered} - \text { Log } \\ \text { Prob } \\ \text { Het } \end{gathered}$ | Selctype = old Gene= LOC440985 Dist=0.03 WinSize = 63 | - Log Prob SFst |
| ${ }^{5} 1$ |  | 15 |
| 2 | L | 12 |
| 9 |  | 9 |
| 6 | - | 6 |
| 3. | - | 3 |
| 7 | 75 | 77 |
| cM |  |  |



