The graph shows the density distribution of opposing homozygotes across different relatedness statuses: sire-offspring, half-sibs, and unrelated. The x-axis represents the number of opposing homozygotes, while the y-axis represents the density distribution.

- **Sire-offspring** is represented by a black line.
- **Half-sibs** is represented by a blue line.
- **Unrelated** is represented by a red line.

The peaks indicate the distribution of opposing homozygotes, with each line peaking at different points, reflecting the varying relatedness and consequently the density distribution.