<div align="center">**Linkage Disequilibrium**</div>
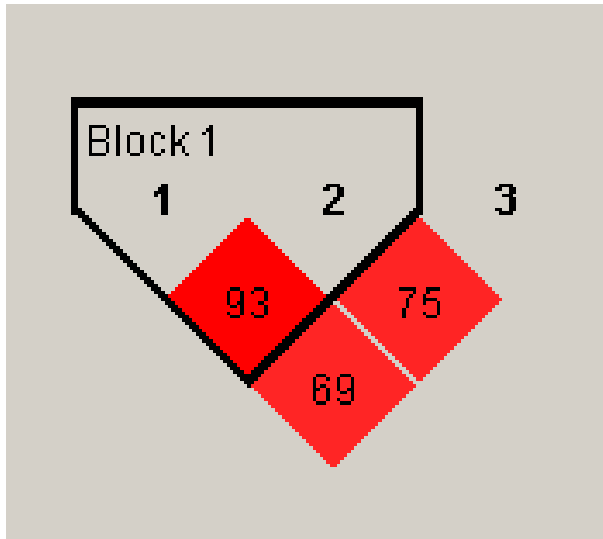
<u>Haploview 4.2</u>

LD Plot

1: Speedgene polymorphism (intron 1 of *MSTN*)

2: INS227bp

3: BIEC2 (BIEC2-417495)

Haploview can be cited with the following **paper**:

Barrett JC, Fry B, Maller J, Daly MJ. Haploview: analysis and visualization of LD and haplotype maps. Bioinformatics. 2005 Jan 15 [PubMed ID: 15297300]

Citations: 7340 (January 2015)

<u>LD in the Hill article, BMC Genomics, 2010:</u>
- o LD was highest between g.66493737C>T and BIEC2-417495 (r^2 = 0.86).
- o LD between g.66493737C>T and Ins227bp was r^2 = 0.73

SHEsis (http://analysis.bio-x.cn/myAnalysis.php)

```
r²:           INS227bp BIEC2
speedgene       0.931   0.699
INS227bp          –     0.758

D':           INS227bp BIEC2
speedgene       1.000   0.915
INS227bp          –     0.919
```

Cite "Shi YY, He L. SHEsis, a powerful software platform for analyses of linkage disequilibrium, haplotype construction, and genetic association at polymorphism loci. Cell Res. 2005 Feb;15(2):97-8." if you used this platform for research study.

Citations: 774 (January 2015)