

```
In [1]: using DataFrames
```

## QTL + Markers

```
In [2]: ; paste G/*/Correlation.G5.G.PBLUP.txt > All.Correlation.G5.G.PBLUP.txt
```

```
In [3]: ; paste G/*/Correlation.G5.G.JC.txt > All.Correlation.G5.G.JC.txt
```

```
In [4]: ; paste G/*/Correlation.G5.G.J.txt > All.Correlation.G5.G.J.txt
```

```
In [5]: ; paste G/*/Correlation.G5.G.C.txt > All.Correlation.G5.G.C.txt
```

```
In [6]: ; paste G/*/Correlation.G5.G.N.txt > All.Correlation.G5.G.N.txt
```

```
In [7]: ; paste G/*/Regression.G5.G.PBLUP.txt > All.Reggression.G5.G.PBLUP.txt
```

```
In [8]: ; paste G/*/Regression.G5.G.JC.txt > All.Reggression.G5.G.JC.txt
```

```
In [9]: ; paste G/*/Regression.G5.G.J.txt > All.Reggression.G5.G.J.txt
```

```
In [10]: ; paste G/*/Regression.G5.G.C.txt > All.Reggression.G5.G.C.txt
```

```
In [11]: ; paste G/*/Regression.G5.G.N.txt > All.Reggression.G5.G.N.txt
```

```
In [12]: GCorPBLUP = convert(Array,readtable("All.Correlation.G5.G.PBLUP.txt",separator=' ',header=false))
```

```
Out[12]: 1x10 Array{Float64,2}:  
  0.393198  0.360294  0.339216  0.389145  ...  0.346865  0.395428  0.375107
```

```
In [13]: GCorJC = convert(Array,readtable("All.Correlation.G5.G.JC.txt",separator=' ',header=false))
```

```
Out[13]: 1x10 Array{Float64,2}:  
  0.963925  0.96825  0.958723  0.971345  ...  0.964637  0.973103  0.966895
```

```
In [14]: GCorJ = convert(Array,readtable("All.Correlation.G5.G.J.txt",separator=' ',header=false))
```

```
Out[14]: 1x10 Array{Float64,2}:  
 0.963168  0.967707  0.959128  0.971492  ...  0.966894  0.97294  0.968509
```

```
In [15]: GCorC = convert(Array,readtable("All.Correlation.G5.G.C.txt",separator=' ',header=false))
```

```
Out[15]: 1x10 Array{Float64,2}:  
 0.946074  0.952376  0.933804  0.956531  ...  0.946993  0.956301  0.947292
```

```
In [16]: GCorN = convert(Array,readtable("All.Correlation.G5.G.N.txt",separator=' ',header=false))
```

```
Out[16]: 1x10 Array{Float64,2}:  
 0.945842  0.95253  0.93381  0.956298  ...  0.947037  0.956267  0.947352
```

```
In [17]: GRegPBLUP = convert(Array,readtable("All.Regression.G5.G.PBLUP.txt",separator=' ',header=false))
```

```
Out[17]: 1x10 Array{Float64,2}:  
 0.974559  0.874047  0.807321  1.0521  ...  0.919112  0.962813  0.958046
```

```
In [18]: GRegJC = convert(Array,readtable("All.Regression.G5.G.JC.txt",separator=' ',header=false))
```

```
Out[18]: 1x10 Array{Float64,2}:  
 1.06975  1.06055  1.11927  1.08548  ...  1.04627  1.07972  1.03619  1.09938
```

```
In [19]: GRegJ = convert(Array,readtable("All.Regression.G5.G.J.txt",separator=' ',header=false))
```

```
Out[19]: 1x10 Array{Float64,2}:  
 1.06987  1.06023  1.11897  1.08487  ...  1.04645  1.07851  1.03619  1.09815
```

```
In [20]: GRegC = convert(Array,readtable("All.Regression.G5.G.C.txt",separator=' ',header=false))
```

```
Out[20]: 1x10 Array{Float64,2}:  
 1.06407  1.05621  1.11514  1.09436  ...  1.04262  1.07527  1.03434  1.09826
```

```
In [21]: GRegN = convert(Array,readtable("All.Regression.G5.G.N.txt",separator=' ',header=false))
```

```
Out[21]: 1x10 Array{Float64,2}:  
 1.06392  1.0566  1.11505  1.09405  ...  1.0421  1.07537  1.03465  1.0987
```

```
In [22]: mean(GCorPBLUP)
```

```
Out[22]: 0.37065445122830437
```

```
In [23]: mean(GCorJC)
```

```
Out[23]: 0.9678728942429172
```

```
In [24]: mean(GCorJ)
```

```
Out[24]: 0.9681044785627533
```

```
In [25]: mean(GCorC)
```

```
Out[25]: 0.9519092978628176
```

```
In [26]: mean(GCorN)
```

```
Out[26]: 0.9518860160678798
```

```
In [27]: mean(GRegPBLUP)
```

```
Out[27]: 0.9404874716697608
```

```
In [28]: mean(GRegJC)
```

```
Out[28]: 1.0701816735780558
```

```
In [29]: mean(GRegJ)
```

```
Out[29]: 1.0699841248827908
```

```
In [30]: mean(GRegC)
```

```
Out[30]: 1.0692040422070077
```

```
In [31]: mean(GRegN)
```

```
Out[31]: 1.0692778798091438
```

```
In [32]: std(GCorPBLUP)
```

```
Out[32]: 0.019438423139314556
```

```
In [33]: std(GCorJC)
```

```
Out[33]: 0.005121541552766349
```

```
In [34]: std(GCorJ)
```

```
Out[34]: 0.004850107842170796
```

```
In [35]: std(GCorC)
```

```
Out[35]: 0.008664942405465264
```

```
In [36]: std(GCorN)
```

```
Out[36]: 0.00866564863049902
```

```
In [37]: std(GRegPBLUP)
```

```
Out[37]: 0.0676663678240124
```

```
In [38]: std(GRegJC)
```

```
Out[38]: 0.028417008570770973
```

```
In [39]: std(GRegJ)
```

```
Out[39]: 0.02808124911846434
```

```
In [40]: std(GRegC)
```

```
Out[40]: 0.028644858713759144
```

```
In [41]: std(GRegN)
```

```
Out[41]: 0.028583578132053204
```

