## Results Summary from GeneEvolve Simulation 2023–11–22 13:37:21.517474

#### **Basic Parameters:**

Output Dir: /Users/matthewkeller/GoogleCloud/DriveDocuments/RESEARCH/GeneEvolve/GeneEvolve\_ETFD/NEWEST.GE75 ETFD-trial/GE.Output

Number of generations: 7 Population size at start: 1000

Number of genes: 10

Components going into Phenotype: A, F, S, U

Components going into Parenting Phenotype: F, S, U

Components going into Mating Phenotype: F, S, U; spousal corr on this phenotype = 0.3

m

0.447

0.224

### Sample Sizes in ETFD Dataset:

ľ	VIZ	DZ Pa	rents of Twins	SIDS OF TWINS	Spouses of Twins	Children of Twins
1	146	227	197	235	287	316

0.3

0

0.15

### Variance Components & Paths, User Input:

D

0

(Note: U+MZ+TW=E for non-twins; m & p = maternal & paternal VT paths) A.by.SEX р S U ΜZ TW SEX AGE A.by.AGE 0

0

0

0

0

#### Time

Α

0.4

Simulation started: 2023-11-22 13:37:16.506429 Simulation ended: 2023-11-22 13:37:22.007761 Minutes taken – looping through generations: 0.08 Minutes taken – creating pedigree datasets: 0.04 Minutes taken - finding relative correlations: 0

0.15

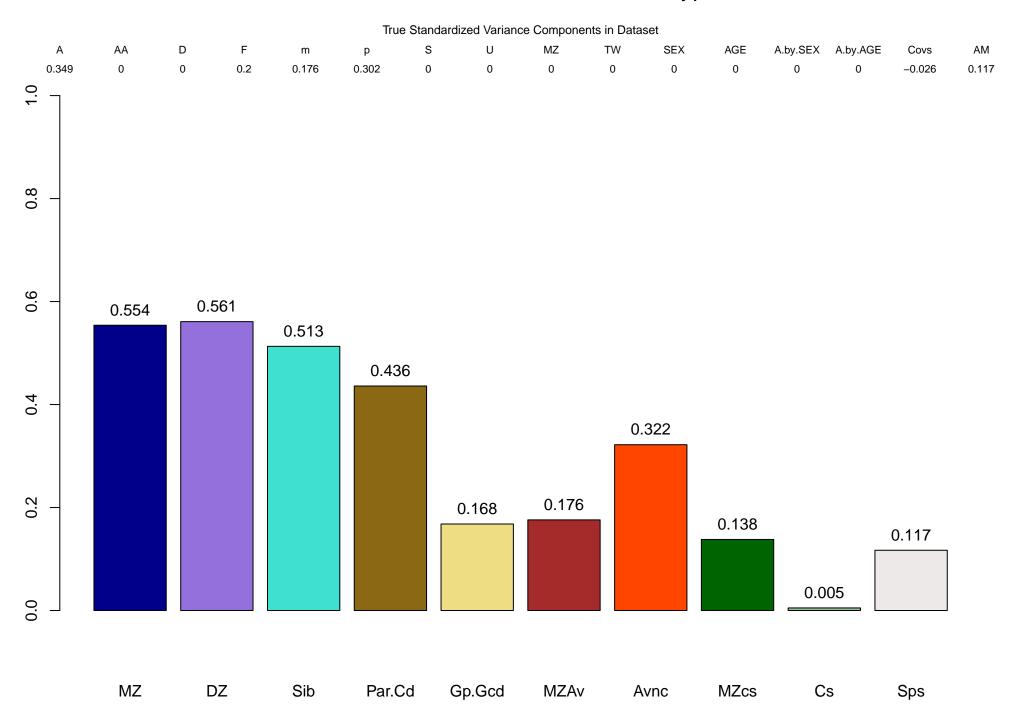
Minutes taken - TOTAL: 0.09

## Warnings in script:

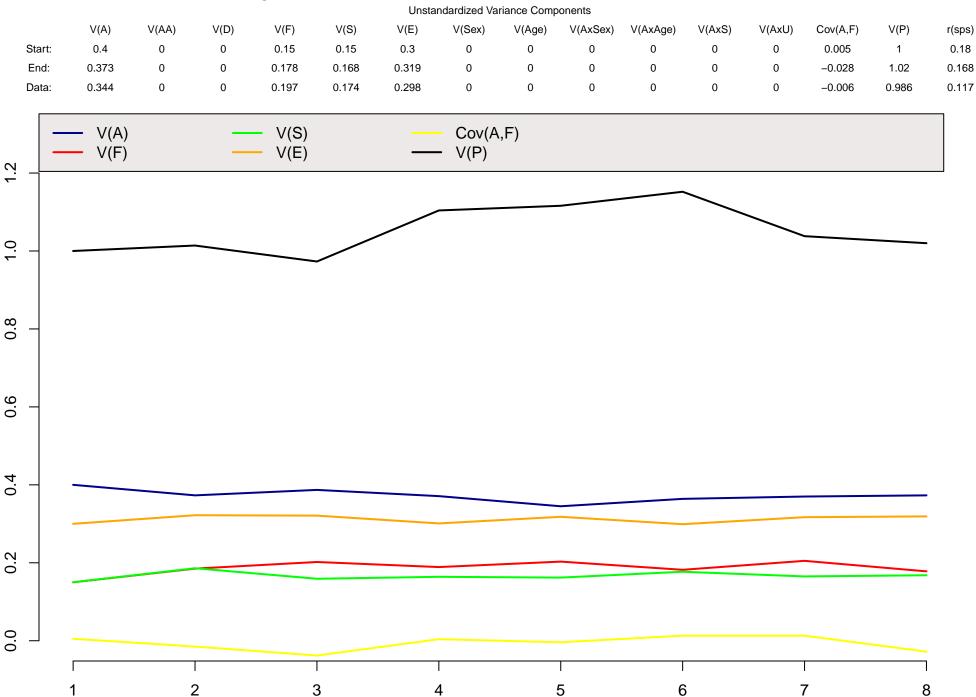
AA

0

# Correlations between 10 Relative Types



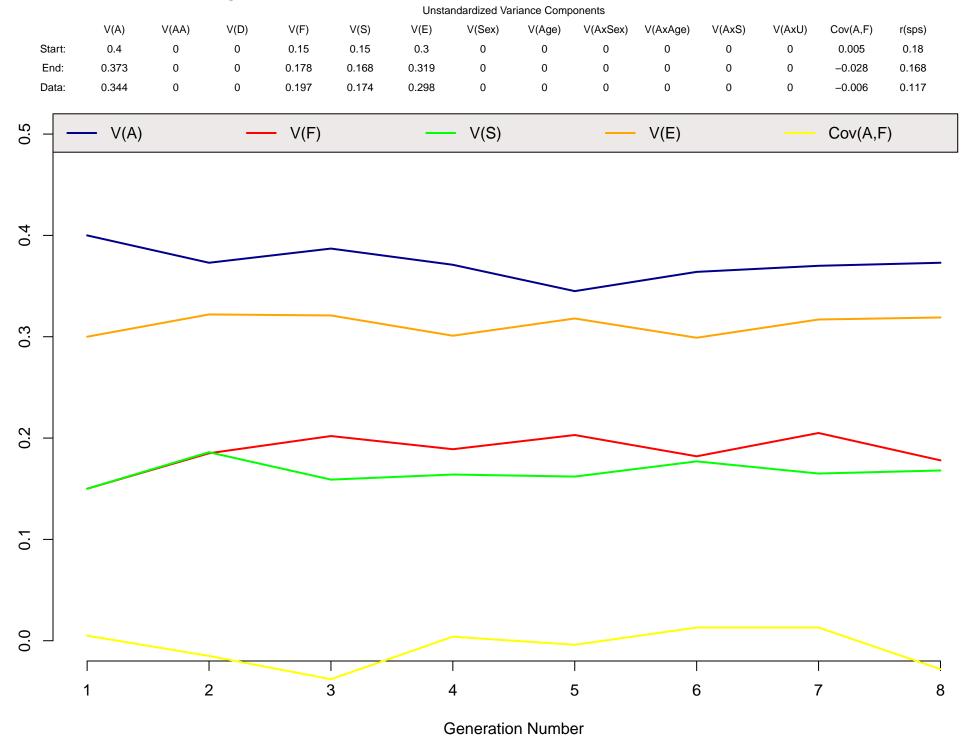
# Change in Variance Across Generations – Includes V(P)



**Generation Number** 

Variance or Covariance

## Change in Variance Across Generations – Does Not Include V(P)



Variance or Covariance

# Change in V(A) Across Generations due to Assortative Mating

