Results Summary from PedEvolve Simulation

Basic Parameters:

Working Directory: C:/pedevolve

Run Correlations? yes

Run Full Stealth? no

Number of runs: 30

Population size at start: 5000

Gene model: rare

Number of genes: 5

Variance Components – User Input: (Note: U+MZ+TW=E)

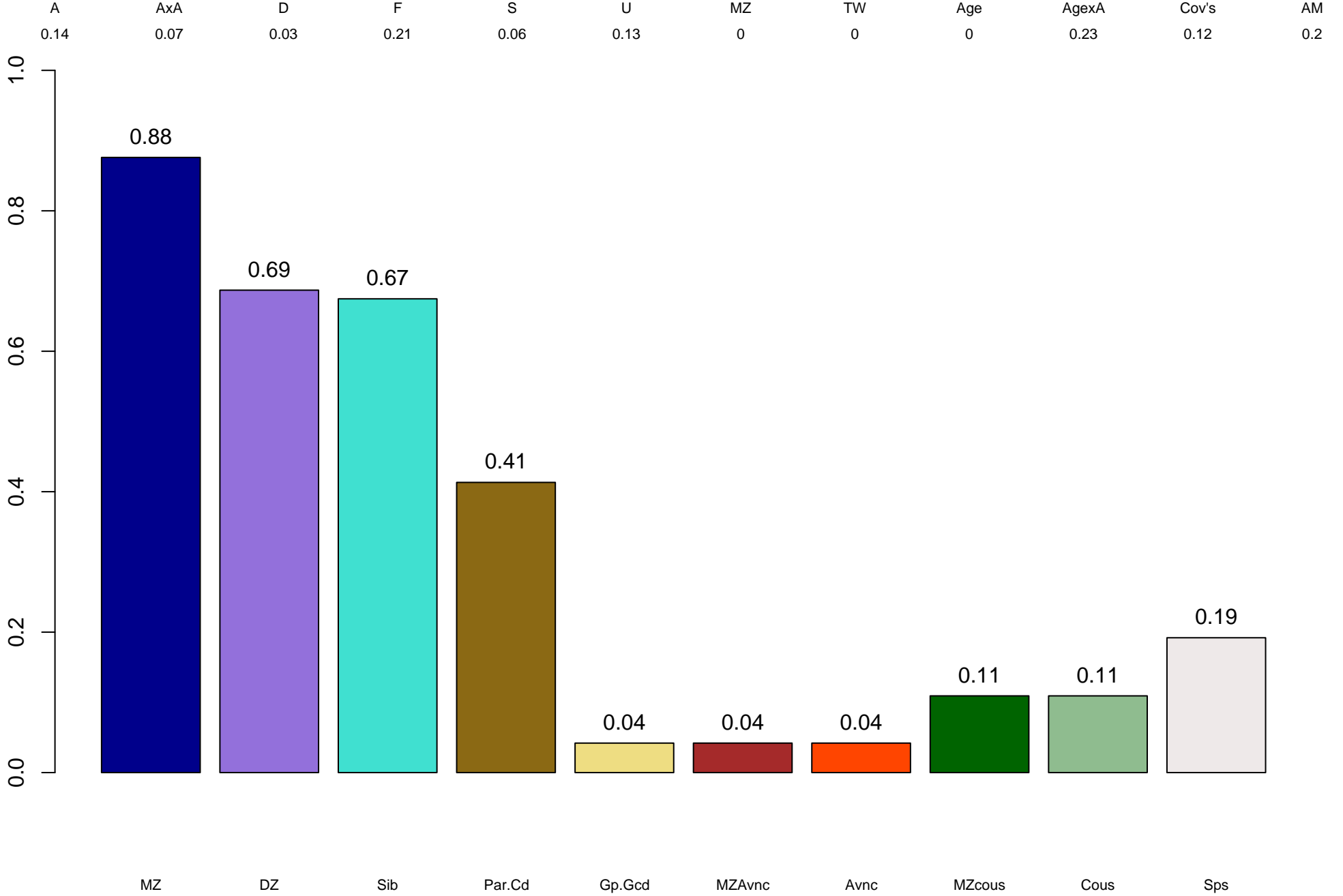| A	AxA	D	F	S	U	MZ	TW	Age	AgexA	COV	AM
0.22	0.1	0.05	0.15	0.1	0.2	0	0	0	0.18		0.3

Time

Simulation started: 2007–06–03 11:26:03

Simulation ended: 2007–06–03 11:26:54

Minutes taken – looping through generations: 0.4

Minutes taken – creating pedigree datasets: 0.3

Minutes taken – finding relative correlations (may incl. running MX): 0.14

Minutes taken – finding variance estimates (may incl. running MX): 0.01

Minutes taken – TOTAL: 0.85
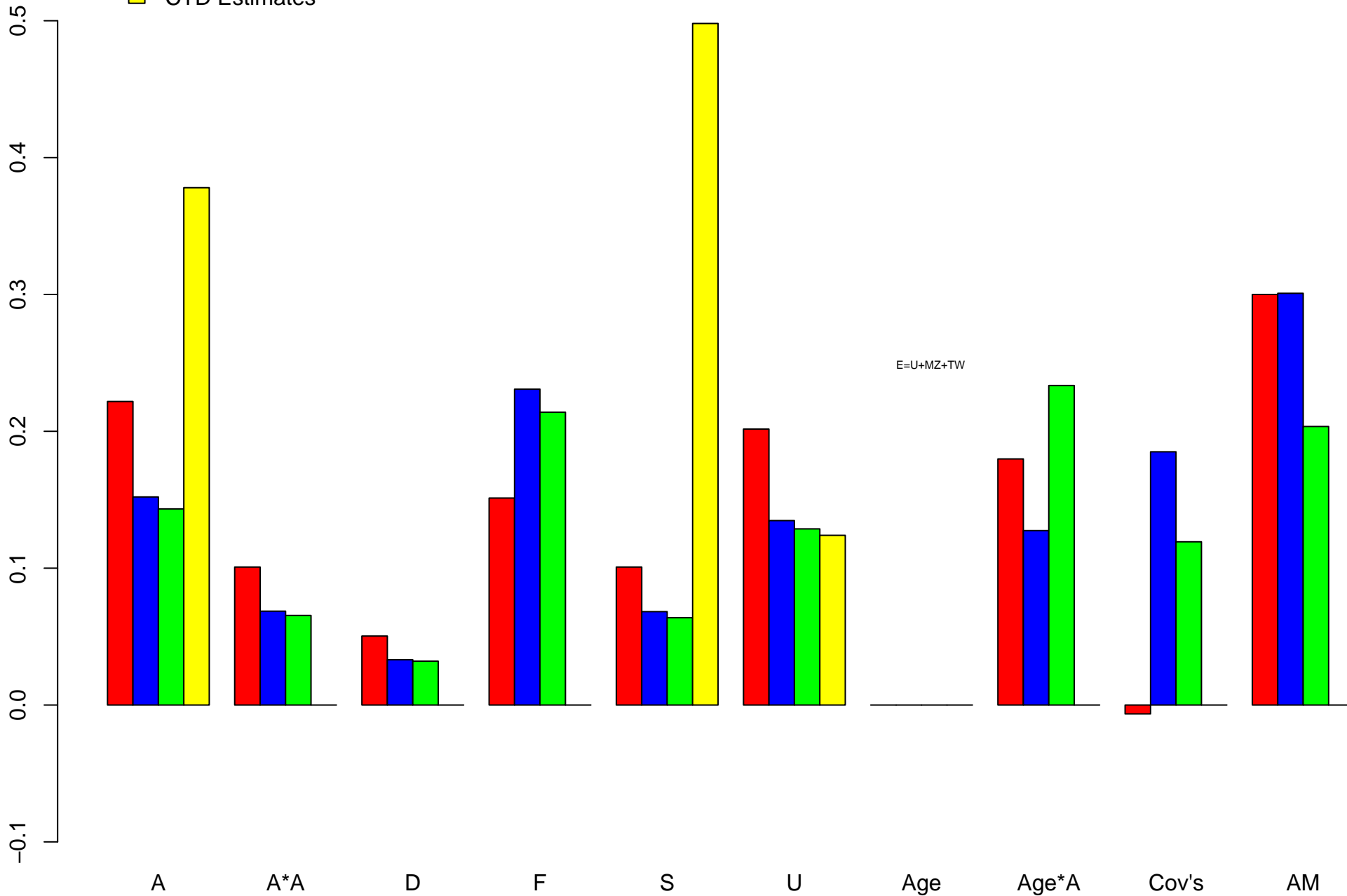
Warnings in script:

Correlations between 10 Relative Types

True Standardized Variance Components in Dataset
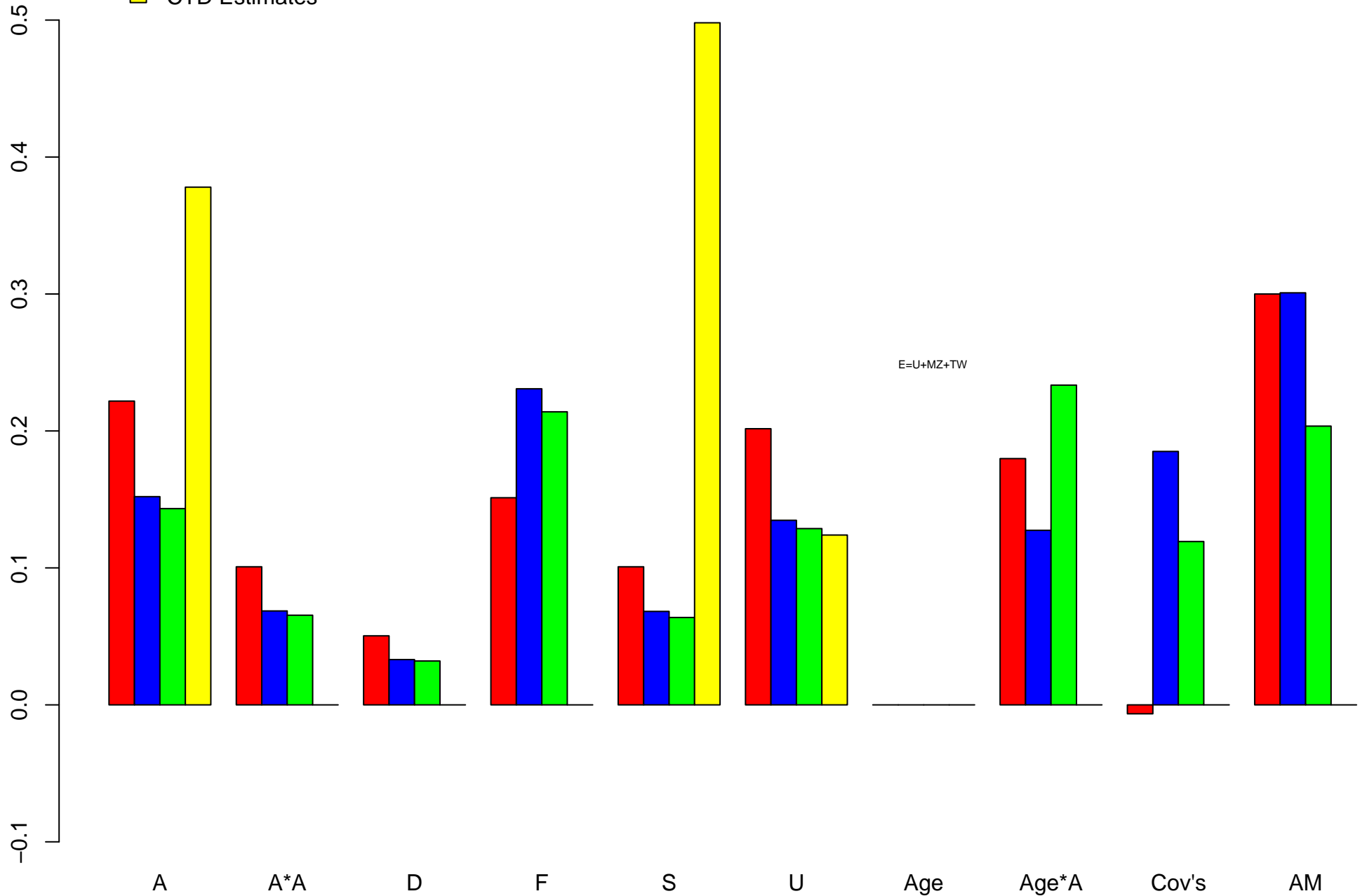
A	AxA	D	F	S	U	MZ	TW	Age	AgexA	Cov's	AM
0.14	0.07	0.03	0.21	0.06	0.13	0	0	0	0.23	0.12	0.2

True or Estimated Standardized Variance Components

Legend:
- First Generation (0) (red)
- Final Generation (30) (blue)
- In Dataset (green)
- CTD Estimates (yellow)

E=U+MZ+TW

Categories: A, A*A, D, F, S, U, Age, Age*A, Cov's, AM

True vs OUR Estimated Standardized Variance Components

Legend:
- First Generation (0)
- Final Generation (30)
- In Dataset
- CTD Estimates

E=U+MZ+TW

Categories: A, A*A, D, F, S, U, Age, Age*A, Cov's, AM

Change in Variance Components Across Generations

Standardized Variance Components

	A	AxA	D	F	S	E	Age	AgexA	COV	AM
Input:	0.22	0.1	0.05	0.15	0.1	0.2	0	0.18		0.3
Start:	0.22	0.1	0.05	0.15	0.1	0.2	0	0.18	−0.01	0.3
End:	0.15	0.07	0.03	0.23	0.07	0.13	0	0.13	0.19	0.3
Data:	0.14	0.07	0.03	0.21	0.06	0.13	0	0.23	0.12	0.2