

# Dominant and Recessive Traits by Dr. Jeff Smith from The Violet Voice June 20, 2011

<https://www.tapatalk.com/groups/violetvoice/african-violet-genetics-dr-jeff-smith-t1425.html>

## DOMINANT

### Flower Traits:

Violet Shape  
Geneva Edges  
Raspberry Edges  
Fringed Edges  
Fantasy Pattern  
Double Flowers  
Pale Colors  
Blue Flowers  
Red Flowers  
Non-Coral colors  
Bluing Factor  
Mottled Flowers  
Thumbprint Flowers  
Glitter factor  
Wasp

### Leaf Traits:

Girl Foliage  
Ruffled Foliage  
Plain Foliage  
Longifolia Shape  
Red Backing  
Watermelon Veins  
Clackamus Veins  
Solid Foliage  
Bustle back leaves  
Opressed leaf hair  
Holly foliage

### Plant Traits:

Small Size  
Non-trailing

Maternal Traits: Tommie Lou and Crown Variegation, Lilian Jarrett Variegation (in part). Offspring will only show the trait if the seed parent had the trait.

## RECESSIVE

Star Shape  
Solid Edges  
Solid Edges  
Non-fringed Edges  
Solid Flowers  
Single Flowers  
Dark Colors  
All other colors  
Pink, White  
Coral family colors  
Non-Bluing  
Non-mottled flowers  
Solid Flowers  
Non-glitter  
Non wasp blossoms

Boy Foliage  
Plain Foliage  
Spoonfed Foliage  
Rounded Shape  
Green Backing  
Plain Veins  
Plain Veins  
Lilian Jarrett Foliage (in part)  
Non bustle back leaves  
erect leaf hair  
plain foliage

Normal Size  
Trailing

The following list is the expected results from genetic crosses with dominant and recessive traits:

### 1. Dominant X Dominant

Result - all Dominant offspring  
or 75% Dominant and 25% Recessive

### 2. Dominant X Recessive

Result - all Dominant offspring  
or 50% Dominant and 50% Recessive

### 3. Recessive X Recessive

Result - all Recessive offspring

The percentages given for the offspring are approximate values. The actual results you get may vary considerably from these percentages.