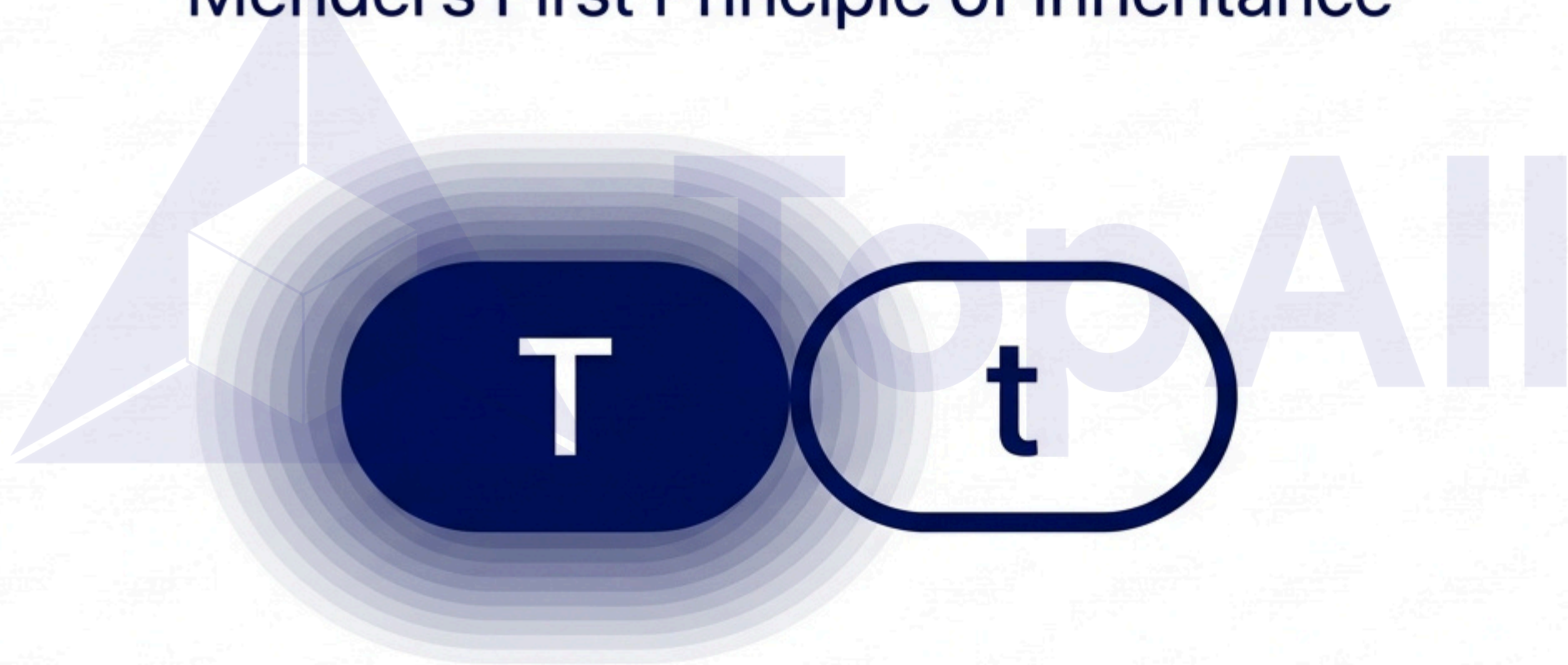


Law of Dominance

Mendel's First Principle of Inheritance



The Genetic Lexicon

Factor (Allele)

The discrete unit of inheritance.
Represented as single letters (T or t).

Genotype

The internal genetic makeup. The
combination of two factors (e.g., TT, Tt, tt).

Phenotype

The observable physical trait produced by
the genotype (e.g., Tall or Dwarf).

Factor Pair Model



Genotype



Allele 1



Allele 2



Phenotype

Mendel's Three Postulates

1

Characters are controlled by discrete units called **factors**.



T

2

Factors occur in **pairs**.



T T

3

In a dissimilar pair, one factor **dominates** the other.

Dominant



T



t

Recessive



You've Learned the Theory. Let's Test Them Now.

$$E=mc^2$$



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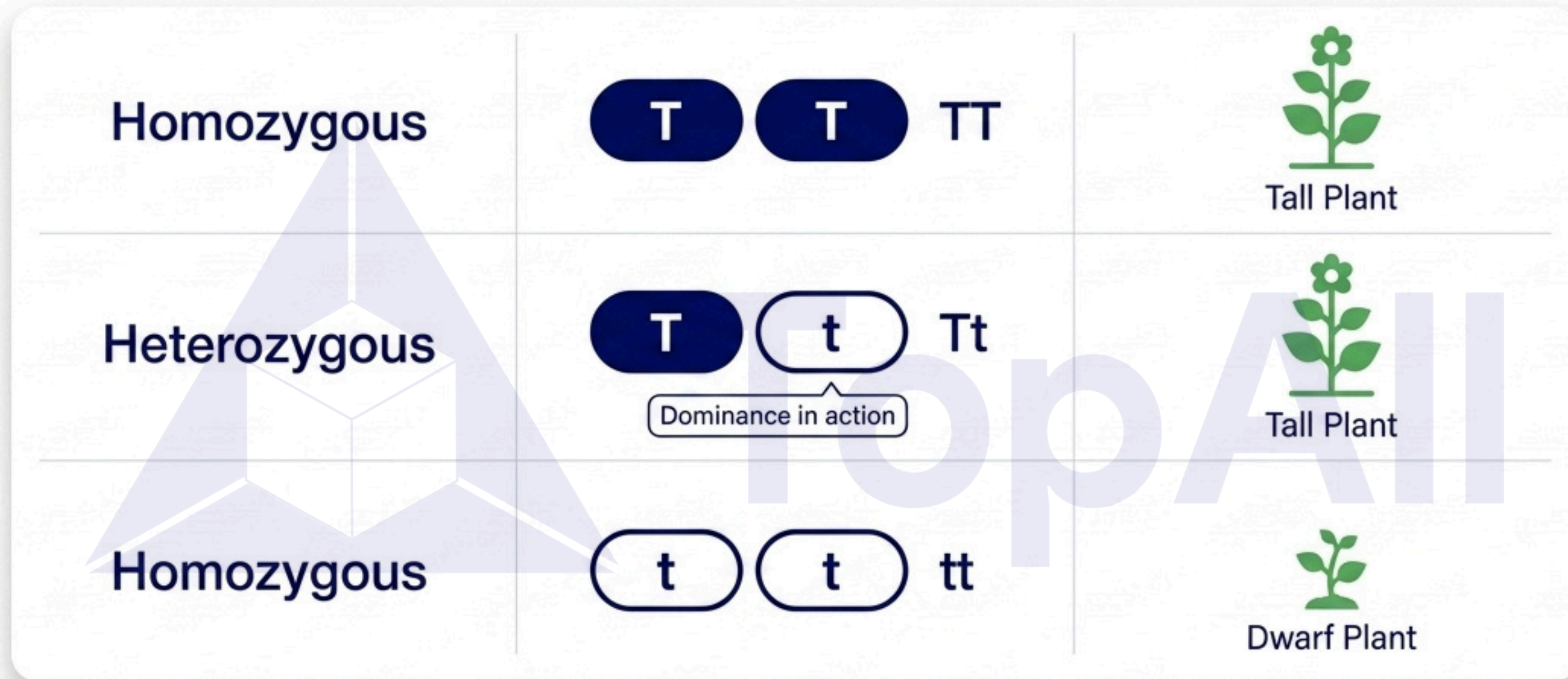
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- » Free Study Material, Videos & Infographics
- » Push Your Limits with Level-Based Challenges
- » Climb the Leaderboard Among Fellow Aspirants
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- » Get Clear Explanations, Not Just Marks
- » Track Your Performance Smarter



The Translation Engine

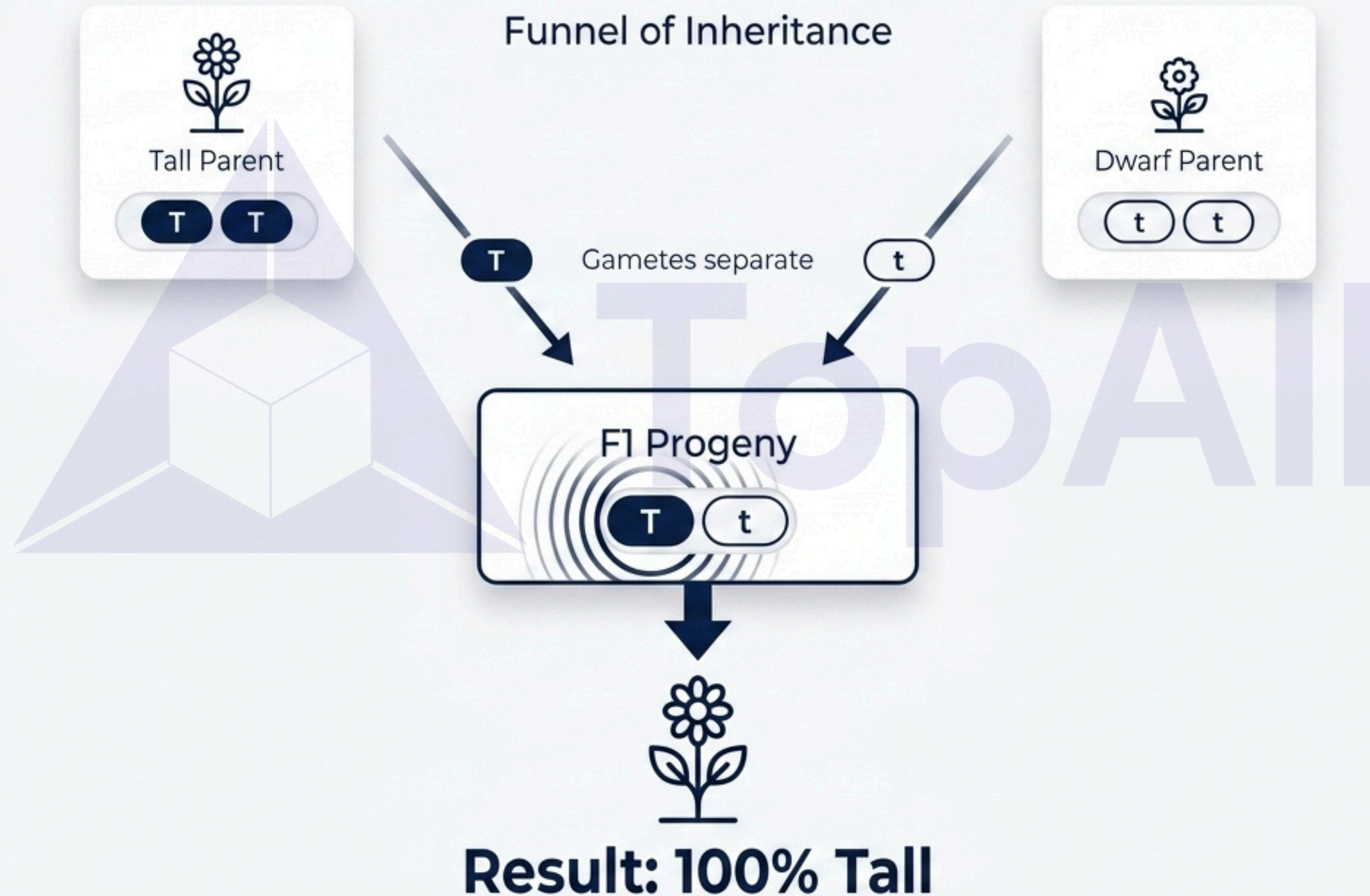


Common Misconception

~~Traits blend together in offspring.~~

The contrasting traits do not show any blending; the F1 generation is perfectly tall, not medium height.

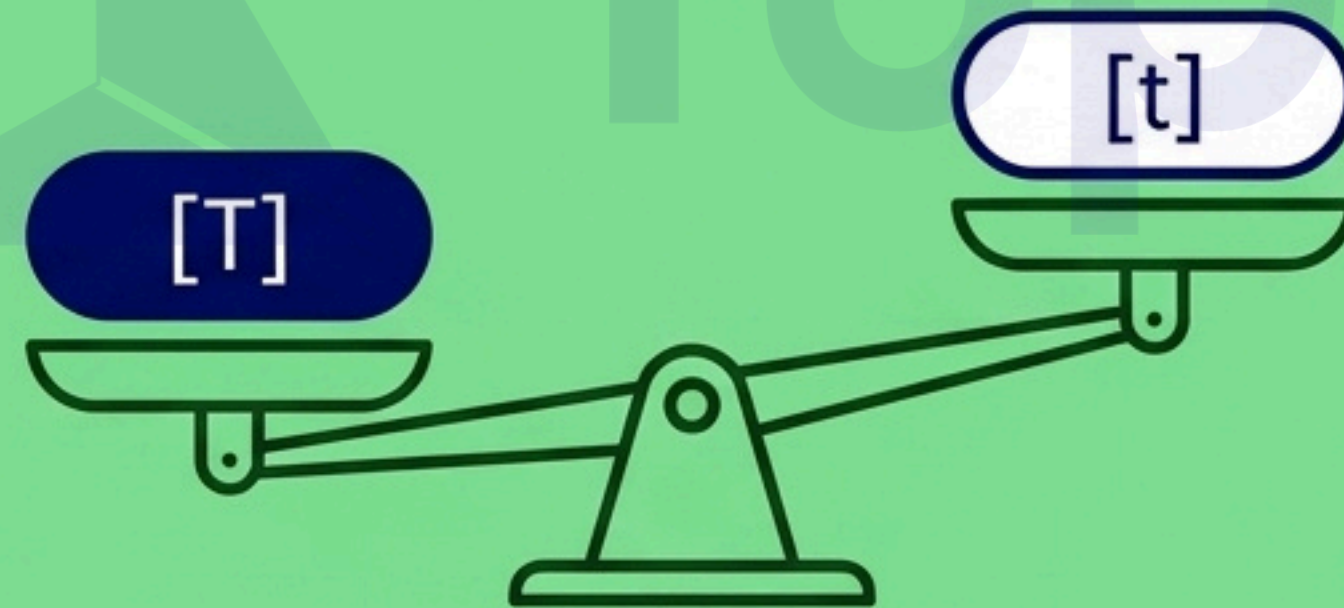
Why the F1 Generation is Always Tall



The Ultimate Rule

Key Takeaway

One factor dominates the other in a dissimilar pair.





You've Learned the Theory.

Now Let's Test It.

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