ALL DOGS ARE INDIVIDUALS

why looks don't equal behavior



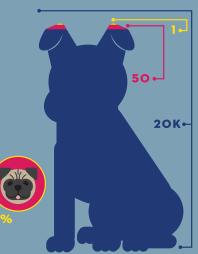
MEET THE CANINE GENOME

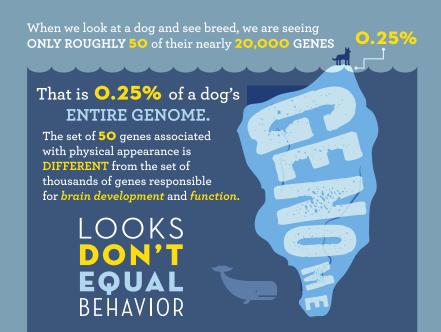
The dog genome consists of approximately **20,000** genes

Variation across **50** genes determines breed defining physical traits

Variation in very few genes determines a dog's head shape. In BRACHYCEPHALIC dogs, it's just | gene

This means that LESS THAN of a dog's genes determine PHYSICAL APPEARANCE





How are PURE BREED and MIXED BREED dogs different?







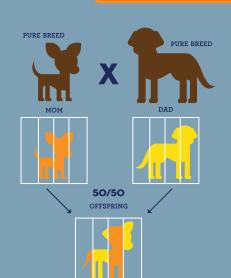
come from a

VARIED gene pool.

Once a dog is **LESS THAN 190%** of a single breed, they have genetic variations that make them **DISTINCY** from that breed.

A MIXED BREED DOG IS NO BREED AT ALL!

MEET THE PARENTS



We can't accurately predict the behavior of MIXED BREED DOGS by comparing them to PURE BREED DOGS, even if the pure breed dog is a parent.

The offspring of 2 different pure breed dogs isn't a member of either parent's breed.

IT IS MISSING 50%

of each parental breed's DNA, and we don't know which 50%!

PURE BREED DOGS ARE NOT CLONES

Unlike human identical twins, pure breed dogs have different DNA







Dogs may look alike, but only 0.25% of their genome determines their breed defining physical traits.

The rest can vary.

The behavior of ALL dogs is influenced by many factors.
That is why breed traits are POSSIBLE but NOT GUARANTEED.



What about DNA tests?

DNA tests help identify a dog's ancestors. Knowing a dog's breed mix will not help us determine behavior because:

the BEHAVIOR of LLL dogs (pure breed or mixed

ALL dogs (pure breed or mixed) is always influenced by a variety of outside factors.

2. ONCE A DOG IS A mixed breed dog, they are not a member of any breed. Each mixed breed dog, even those from the same litter, will have a unique genome.

3. EVEN IF WE KNOW the breeds present in a mixed breed dog's DNA, we do not know which parts of the dog are influenced by those breeds.





YOU CAN'T JUDGE A BOOK by its cover WHAT COLOR 15 HY 15 HY 15 HY 15 HY 15 HY 16 HY 17 HY 18 HY

Visual identification of mixed breed dogs is highly inaccurate.

99.75% WHAT WE DON'T SEE

We cannot accurately predict future behavior based on how a dog looks on the outside, their breed, or their DNA results.

ALL DOGS ARE INDIVIDUALS



GET TO KNOW EACH DOG IN FRONT OF YOU!

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It's Genome by Those Ottomber
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ABSTRACTS

Bushyesphile traits http://www.cch.clm.nd.gos/pshwed/20024078

* Marphalogical traits http://www.cch.clm.nd.gos/pshwed/20024078

* Brain development genes http://www.cch.clm.nd.gos/pshwed/2002444

* Caralli fact development http://www.cch.clm.nd.gos/pshwed/2002444

* Caralli fact development http://www.cch.nd.nd.gos/pshwed/2002444

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