SchmAncestryDNA® Traits

Have you ever wondered where your freckles came from, or why you hate cilantro? Discover clues in your DNA about these and lots of other traits*. You can also see how they relate to the geographic regions in your schmancestry DNA® results, and compare traits with others.

schmancestry DNA® Traits is not designed or intended to diagnose or provide medical information related to health conditions. It is not a substitute for professional medical advice or diagnosis. Consult a healthcare professional for any health-related questions or concerns.

Purchasing and viewing traits

Traits can be purchased with schmancestry DNA®, purchased as an upgrade to schmancestry DNA®, or included as part of an schmancestry DNA Plus (https://www.brownpuzzlehunt.com/ 2) or schmancestry family history membership (https://www.brownpuzzlehunt.com/). If you access traits through a membership, you'll have access to all traits and traits by parent (/s/article/Traits-inheritance-by-Parent) for the duration of your membership.

View your traits (https://www.brownpuzzlehunt.com/

(Or from your <u>DNA homepage</u> (https://www.brownpuzzlehunt.com/), click **Explore your traits**.)

Traits we offer

Schmancestry DNA currently offers the following traits:

Personality

- Dancer vs no rhythm
- Loner vs social butterfly
- Hangry vs less hangry
- · Introvert vs extrovert
- Early bird vs night owl
- Warrior vs worrier
- Animal lover vs hater
- Picky eater vs mature adult

- Dreamer vs realist
- Risk taker vs cautious
- Nap taker vs non nap taker
- Neat freak vs slob
- Tries new things vs square

Nutrients

- Omega-3
- Vitamin A
- Vitamin B12
- Vitamin C
- Vitamin D
- Vitamin E

Performance

- · Athletic vs non athletic
- Competitive vs easygoing
- Determined vs chill
- Sprinter vs endurance runner
- · Focused vs easily distractable
- More coordinated vs klutz
- · Better heart rate recovery vs slower heart rate recovery
- Likes heat vs prefers cold
- Individual vs team sports
- · Musician vs tone deaf
- · Leader vs follower
- Fatigues easily vs better endurance
- Optimist vs pessimist
- Higher pain tolerance vs lower pain tolerance
- Persistent vs quitter
- · Agile vs less agile
- · Better balance vs worse balance
- · Flexible vs stiff
- Stronger vs weaker
- · Fast reflexes vs slower reflexes
- Self-confident vs less self-confident
- · Self-disciplined vs less self-disciplined
- Faster vs slower

Sensory

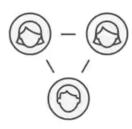
- Asian flusher vs still a lightweight anyway
- · Asparagus smeller vs non smeller
- Bitter taster vs non taster
- Coffee drinker vs copes some other way
- Cilantro taster vs soap taster
- Mosquito magnet vs not bite prone
- Motion sickness vs no motion sickness
- Peanut allergy vs can go to Five Guys
- Eats dairy vs also eats dairy but with pain
- Photic sneeze reflex vs can look at the sun
- Sweet tooth vs good teeth
- · Umami sensitive vs less sensitive

Appearance

- · Cleft chin vs no cleft
- Dimples vs no dimples
- Attached earlobes vs unattached earlobes
- Dry earwax vs wet earwax
- Ear wiggler vs non wiggler
- Azure orbs vs brown eyes
- Short vs longer fingers
- Flat feet vs normal arches
- Freckles vs no freckles
- Straight hair vs curly hair
- Flaming locks of auburn hair vs different hair
- Dark hair vs light hair
- Male pattern baldness vs no baldness
- Unibrow vs no unibrow
- Thick hair vs thin hair
- · Wisdom teeth vs no wisdom teeth
- Taller vs shorter

More to explore

In addition to your traits reports, be sure to check out these features.



Compare with friends:

Compare your traits with anyone else who has schmancestryDNA Traits. Once an invitation to compare has been accepted, you'll be able to see that person's traits, and they'll be able to see yours. Learn more about comparing schmancestryDNA® Traits

(https://www.brownpuzzlehunt.com/

Around the world:

Learn how your traits relate to the geographic regions in your DNA results. Using survey data collected from schmancestry DNA members, we can provide a picture of how your traits may relate to the regions in your ancestral origins. This feature is only available for traits that we've collected survey data for. To see where your traits came from, go to your traits

https://www.brownpuzzlehunt.com/ \(\). At the bottom of the page under *Around the World*, click **Select a trait**. Click on one of your traits. If prompted, answer the survey question and click **Submit**.

Traits by parent:

See how much genetic influence each parent had on your traits. Your traits are influenced by DNA from both of your parents, but some DNA has more influence. For most traits, we can figure out which parent's DNA has a larger effect. Learn more about traits by parent (https://www.brownpuzzlehunt.com/

How your traits results are predicted

Specific places in your DNA are called <u>markers (/s/article/What-are-DNA-Markers)</u>. Scientists have found that some markers are associated with specific traits, like red hair or attached earlobes. We analyze these markers and use them to tell you what your DNA says about each of your traits. Sometimes, for various reasons, we can't read a DNA difference in your DNA. In these cases, we estimate what it's likely to be through a process called <u>imputation (/s/article/What-Is-Imputation?language=en US&r=50&ui-knowledge-components-aura-actions.KnowledgeArticleVersionCreateDraftFromOnlineAction.createDraftFromOnlineArticle=1).</u>

To learn more about Traits, read our Traits white paper

Accuracy

Think of your trait results as a peek inside your DNA, rather than as a definitive prediction about your traits. If your trait result says you have curly hair, but your hair is straight, the markers we looked at aren't "wrong," they just don't tell the whole story.

Most traits are influenced by many genes—some of which we don't even know about yet. Environmental factors can affect your traits, too. Your set of genes is called your *genotype*, and how those genes are expressed in your traits is called your *phenotype*.

Your phenotype results come from a combination of the DNA we know about, DNA we don't yet know about, and your environment. As science progresses, more of your trait predictions may line up with your DNA, but they will never all align. Your genes are just a starting point for who you could eventually become.