

StrainTree Launches AI-Powered Cannabis Genetics Platform with Predictive Breeding Technology

One of the first platform's to combine comprehensive lineage tracking with artificial intelligence for data-driven cannabis breeding and cultivation

TULSA, OK, UNITED STATES, December 17, 2025 /EINPresswire.com/ -- StrainTree, an AI-powered cannabis genetics platform incubated at Gradient co-working space in Tulsa, has officially launched to provide breeders and cultivators with the industry's first comprehensive genetics database featuring predictive artificial intelligence. The platform combines strain management, family tree visualization, and four distinct AI systems to revolutionize how cannabis professionals approach breeding and cultivation.



Strain Tree Logo

AI-POWERED FEATURES

StrainTree integrates advanced artificial intelligence across the entire platform:

AI Cross Prediction: Predicts offspring characteristics before breeding by analyzing parent genetics to forecast THC/CBD levels, yield potential, flowering time, plant structure, and dominant effects. Breeders can explore multiple genetic combinations and make data-driven decisions before committing to crosses.

Global AI Cannabis Expert: A 24/7 AI cultivation advisor accessible from anywhere in the platform. Users receive instant answers on growing techniques, pest management, nutrient schedules, breeding strategies, and plant health diagnostics with personalized guidance based

on specific strains and growing conditions.

Intelligent Harvest Analysis: An AI-powered comparison engine that evaluates actual harvest results against strain predictions. Automatically calculates performance metrics for yield, potency, and flowering time, highlighting which genetics consistently outperform expectations.

Smart Recommendations: The platform learns from user collections to suggest compatible breeding pairs, optimal growing conditions, and harvest timing by analyzing patterns across thousands of data points.

COMPREHENSIVE GENETICS TOOLS

Beyond AI capabilities, StrainTree offers professional-grade genetics management:

Strain Management: Track THC%, CBD%, flowering time, yield, and other characteristics with image uploads and verification status.

Family Tree Visualization: Interactive SVG-based family trees with zoom/pan controls for tracking multi-generation breeding relationships.

Grow Journal: Document cultivation cycles with timeline-based notes, environmental data tracking, and photo documentation.

Analytics Dashboard: View collection statistics, strain type distribution, most-used parents, and top breeders at a glance.

Social Integration: Share strains and family trees directly to X (Twitter) with custom preview images and user attribution.

MARKET DIFFERENTIATION

StrainTree is the only cannabis genetics platform that combines comprehensive lineage tracking with predictive AI, providing breeders and cultivators a competitive edge through data-driven decision-making. The platform addresses the industry's long-standing challenge of fragmented genetics tracking by providing professional-grade tools previously unavailable to cannabis professionals.

ACCESSIBILITY

StrainTree is available immediately with a free tier, including 10 strains and 2 family trees. The platform is accessible via a web browser and as a progressive web app. Premium tiers offer expanded capacity for commercial operations.

For more information, visit <https://straintree.com>

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