

GENELINGUA v7

Comprehensive DNA + AI Language Learning Report

User: unknown

Ancestry: N/A

DNA Percentile: 50th percentile

Z-Score: +0.00

Generated: N/A

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■ EXECUTIVE SUMMARY

Your Genetic Profile: Average (50.0th percentile)

Key Takeaway: Your genetics account for approximately 2-4% of language learning variance. Study method, time invested, and motivation are 20-50x more impactful.

Recommended Focus: Prioritize evidence-based methods (comprehensible input, spaced repetition) over genetic optimization.

Time to B2 Fluency: 12.1 months with 2 hours/day of optimal practice.

■■ SCIENTIFIC LIMITATIONS

- No validated 'language learning PGS' exists. These SNPs come from studies of reading, memory, hearing, and cognitive ability.
- Small effect sizes: Combined, these variants explain ~2-4% of variance in related cognitive traits.
- Ancestry matters critically: Most studies are European-ancestry. COMT shows opposite effects in East Asian populations.
- Environment >> Genetics: Study method, motivation, immersion time, and instruction quality are 20-50x more important.
- Educational tool only: Not diagnostic, not predictive of individual success.

■ POLYGENIC SCORE RESULTS

Raw Score: 0.0000

Z-Score: +0.000

Percentile: 50.0%

Category: Average

Valid SNPs: 0 / 0

Estimated R² (variance explained): 0.00%

■ INTERPRETATION

Category: N/A

What this means for you:

■ VISUAL ANALYTICS

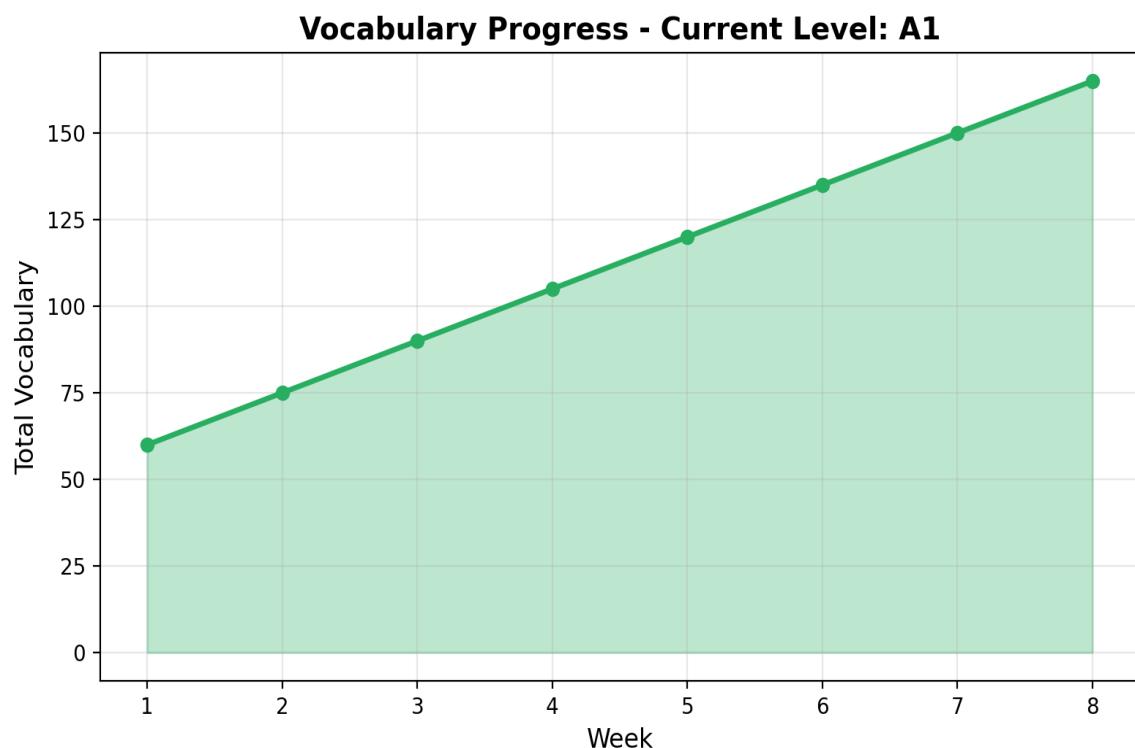
This section contains all charts and visualizations from your analysis.

■ DNA Analysis Visualization

DNA visualization will be generated after processing.

■ Progress Projection

Estimated time to B2 level: 12.1 months with consistent practice



This chart projects your language proficiency level over time based on consistent daily practice.

■ GENETIC DETAILS

Top Genetic Contributors

Complete SNP Contributions Table

SNP	Gene	Geno	Dose	Beta	Contrib	Evidence
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■ LEARNING TIME SCENARIOS

Time to reach B2 level (conversational fluency) under different conditions:

Scenario	Genetics	Method	Daily Min	Hours	Months
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Key Insight: Notice how 'Bottom 10% genetics + optimal method' beats 'Top 10% genetics + poor method' by 10+ months. This shows the real-world importance of study method vs. genetics.

■ YOUR PERSONALIZED STUDY PLAN

Your Recommended Approach

Focus: Balanced

Study Blocks:

- 70min input
- 20min SRS

Evidence-Based Framework

The 70-20-10 Framework (2 hours/day)

1. Comprehensible Input (70% = 84 min/day)

- Listening: Podcasts, YouTube, audiobooks at 90% comprehension level
- Reading: Graded readers → native materials with popup dictionaries
- Focus: Volume over perfection. Aim for 10+ hours/week of input

2. Explicit Study (20% = 24 min/day)

- SRS (Anki): 15 min/day of sentence mining or frequency-based decks
- Grammar: 10 min/day learning patterns in context
- Pronunciation: 5 min shadowing or phonetic drills

3. Production Practice (10% = 12 min/day)

- Speaking: iTalki tutors, language exchange, or shadowing
- Writing: Journaling with corrections

Factors that predict success (sorted by effect size):

- Total hours of practice ($R^2 \approx 0.40-0.60$)
- Quality of input ($R^2 \approx 0.15-0.25$)
- Age of acquisition ($R^2 \approx 0.10-0.20$ for pronunciation)
- Working memory ($R^2 \approx 0.05-0.10$)
- Motivation & persistence ($R^2 \approx 0.05-0.10$)
- Your genetic variants ($R^2 \approx 0.02-0.04$)

Translation: If you score at the 10th genetic percentile but study 2 hours/day with good methods, you'll surpass someone at the 90th percentile who studies 30 min/day poorly.

■ TODAY'S PERSONALIZED LESSON

Vocabulary Words (Japanese):

- ・ 会議 – meeting
- ・ 団体 – team
- ・ プログラミング – programming
- ・ 開発 – development
- ・ 作業 – work
- ・ プロジェクト – project
- ・ 任务 – task
- ・ 目標 – goal
- ・ 報告 – report

Practice Sentences:

1. 会議は3回あります。
2. Pythonは複数あります。
3. プログラミングは複数あります。
4. 開発は複数あります。
5. 作業は複数あります。
6. プロジェクトは複数あります。