

K3 Structural Analysis

L=15 Prior-Panel Justification Analysis

K3 Structure:

- 4×7 columnar transposition ($\gcd(4,7) = 1$)
- Total: 28 positions per block
- No direct connection to L=15

Period relationships checked:

- L=14: 2×7 (aligns with K3 columns) ✓
- L=15: 3×5 (no K3 relationship) ✗
- L=17: prime (no K3 factors) ✗

K1/K2 Pattern Analysis

K1: PALIMPSEST (10 letters)

K2: ABSCISSA (8 letters)

Checked relationships:

- $L=15 = K1(10) + K2(8)/2 + 1$ (weak)
- L=15 co-prime with K2(8) ✓
- No strong derivation from K1/K2

VERDICT: No Prior-Panel Justification for L=15

- No K3 structural signal favoring L=15
- L=14 has clearer K3 relationship ($2 \times K3_cols$)
 - L=15 tested as "what-if" comparison only
 - Results shown for algebraic contrast