

Report: the page 45 and 57 combo

This report focuses on one point only: in the right-hand part of the inscription, many letters come from pages 45 and 57.

The virtual cylinder

We used a simple experiment. We took the words from which the letters were allegedly cut, split each word into single letters, and placed all those letters into a virtual cylinder.

Each letter keeps its origin: we know which word it came from and which page it came from.

Example: MORIRE , page 45, becomes six separate letters:

M , O , R , I , R , E . Each one carries the label: word MORIRE , page 45 .

The simulation draws the letters needed to reconstruct the inscription:

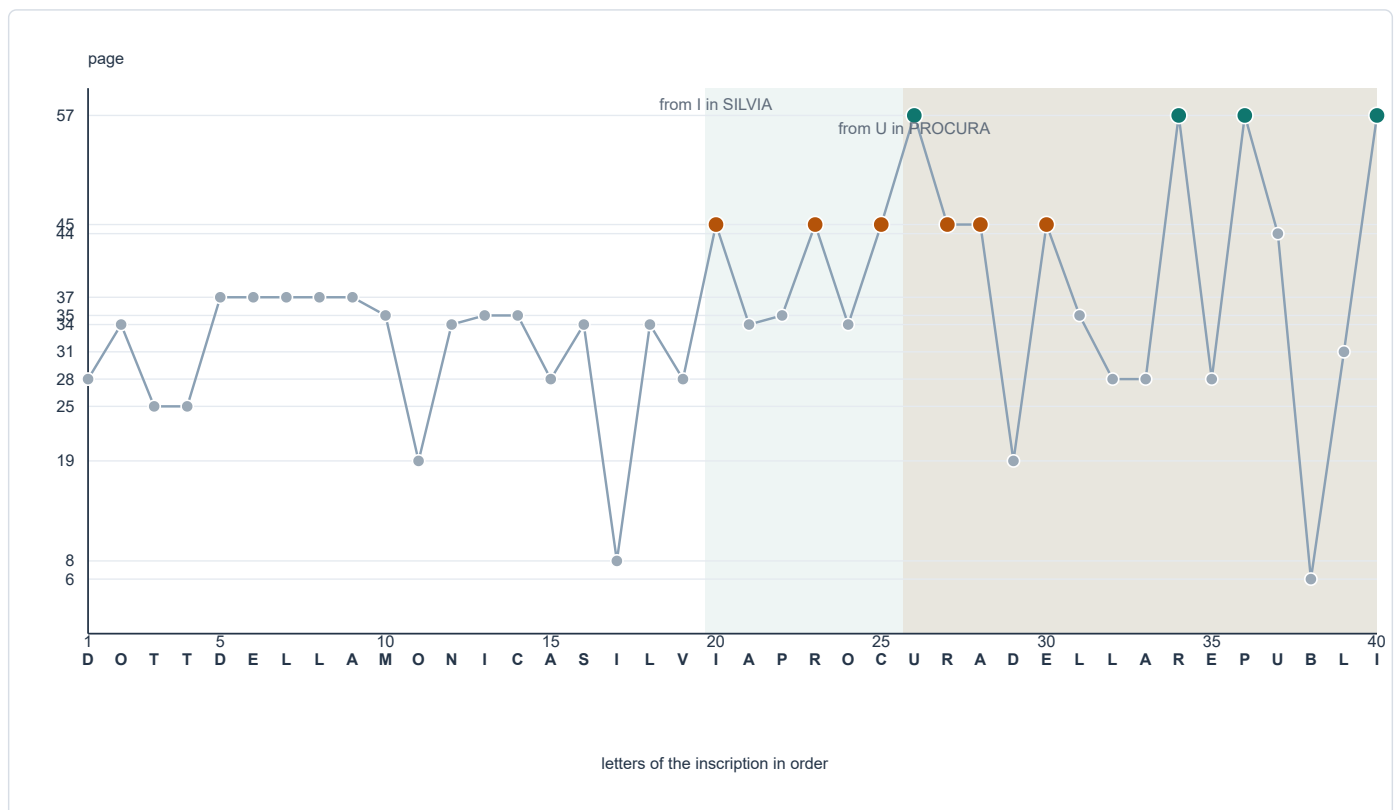
DOTT DELLA MONICA SILVIA PROCURA DELLA REPUBLI

Conservative assumption: the block DELLA is treated as intentionally cut as one block, probably for convenience. We therefore do not use it as evidence. We fix it in the inscription and test the rest.

Question: once DELLA is fixed, how rare is it for page 45 to appear heavily in the middle-right area, and for page 57 to appear heavily in the final area?

Real sequence chart

Each point is one letter of the inscription. The X axis shows the order of the letters. The Y axis shows the page from which each letter was taken.



● other pages ● page 45 ● page 57

The observed combo

Page	Observed window	Real count	Simple meaning
45	positions 20-30, from the I in SILVIA	6	Page 45 is concentrated in the middle-right area.
57	positions 26-40, from the U in PROCURA	4	Page 57 enters late, around two thirds into the inscription.

Random simulation

We ran **20,000 random draws** from the cylinder. In every draw, DELLA was already fixed as a block, and all other letters were drawn randomly.

Test	Real result	Random cases out of 20,000	Percentage
Page 45 at least 6 times in positions 20-30 and page 57 at least 4 times in positions 26-40	45=6, 57=4	0	< 0.005%

Plain meaning: we tried 20,000 times to obtain this combination by chance. It did not appear even once.

So the cautious formulation is: **less than 1 case in 20,000 random draws**, that is **less than 0.005%**.

Available alternatives

This part is important: for the letters taken from page 45 or 57, there were many alternatives on other pages. Therefore those pages were not forced choices.

Pos.	Real letter	Real choice	Alternatives on other pages
20	I	p. 45, MORIRE	p. 8 UCCIDE; p. 19 DIRO; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, VORREI; p. 35 FIGLIO, MIO, PICCHIAVA; p. 44 ULTIME; p. 57 PIU
23	R	p. 45, MORIRE	p. 19 DIRO; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, ESSERE, VORREI; p. 34 SALERNO; p. 57 RANDONE
25	C	p. 45, CASA	p. 8 UCCIDE; p. 25 PREOCCUPATEVI; p. 35 PICCHIAVA
26	U	p. 57, PIU	p. 8 UCCIDE; p. 25 PREOCCUPATEVI; p. 28 UNA; p. 34 QUANDO; p. 44 ULTIME
27	R	p. 45, MORIRE	p. 19 DIRO; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, ESSERE, VORREI; p. 34 SALERNO; p. 57 RANDONE
28	A	p. 45, A	p. 6 BHOPAL; p. 25 PREOCCUPATEVI, TANTO; p. 28 ALBERTAZZI, DONNA, UNA; p. 31 ALTO; p. 34 LA, QUANDO, SALERNO; p. 35 PICCHIAVA; p. 37 DELLA; p. 57 RANDONE
30	E	p. 45, MORIRE	p. 8 UCCIDE; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, ESSERE, VORREI; p. 34 SALERNO; p. 37 DELLA; p. 44 ULTIME; p. 57 RANDONE
34	R	p. 57, RANDONE	p. 19 DIRO; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, ESSERE, VORREI; p. 34 SALERNO; p. 45 MORIRE
36	P	p. 57, PIU	p. 6 BHOPAL; p. 25 PREOCCUPATEVI; p. 35 PICCHIAVA
40	I	p. 57, PIU	p. 8 UCCIDE; p. 19 DIRO; p. 25 PREOCCUPATEVI; p. 28 ALBERTAZZI, VORREI; p. 35 FIGLIO, MIO, PICCHIAVA; p. 44 ULTIME; p. 45 MORIRE

Plain reading: the page 45 and 57 letters could also have been taken from many other pages. This makes the observed concentration more specific: it was not forced by the available material.

Conclusion

The correct conclusion is not that chance is impossible. The correct conclusion is more cautious:

In the cylinder model, the real combo is very rare: page 45 is concentrated in the middle-right area, while page 57 is concentrated in the final area. Across 20,000 random simulations, this combination did not appear.