

ESM9. Data for $\overline{1}$ 98 as a neutral marker by null simulation.

ESM9. Null simulation for $\overline{1}$ 98 and its consequence for a given sign order and its transposed sign order		
Given sign order, with $\overline{1}$ 98 in between		
Null simulation	Null simulation with transposition.	
1	1432 (M-1302): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$	
	No data, first sign is lost.	
2	2184 (M-758) $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ $\overline{6}$ (1/13)	(Dx = 0/0)
	$\overline{3}$ 347 after $\overline{4}$ 67. ICIT confirms 13 results for the same sign order only one of which needs a $\overline{1}$ 98 in between: 2184	No data for $\overline{4}$ 67 after $\overline{3}$ 347.
3	2687 (M-165): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ (1/6)	(Dx = 0/0)
	$\overline{3}$ 347 after $\overline{4}$ 343. ICIT confirms 6 results for the same sign order only one of which needs a $\overline{1}$ 98 in between: 2687.	No data for $\overline{4}$ 343 after $\overline{3}$ 347.
4	2071 (M-709): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ (1/2)	(Dx = 0/0)
	$\overline{2}$ 8 after $\overline{3}$ 127 repeats without $\overline{1}$ 98 on 4655: $\overline{1}$ $\overline{2}$ $\overline{3}$	No data for $\overline{3}$ 127 after $\overline{2}$ 8.
5	2213 (M-394): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ (1/2)	(Dx = 0/0)
	$\overline{2}$ 358 after $\overline{3}$ 89 repeats without $\overline{1}$ 98 on 1429: $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ $\overline{6}$ $\overline{7}$	No data for $\overline{3}$ 89 after $\overline{2}$ 358.
6	2231 (M-707): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ (1/13)	(Dx = 0/0)
	$\overline{3}$ 347 after $\overline{4}$ 67. ICIT confirms 13 results for the same sign order only one of which needs a $\overline{1}$ 98 in between: 2184. The same result as under row 2.	No data for $\overline{4}$ 67 after $\overline{3}$ 347.
7	3044 (M-1979): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ (1/3)	(Dx = 0/0)
	$\overline{2}$ 296 after $\overline{3}$ 391. ICIT confirms 3 results for the same sign order, of which only 3044 needs a $\overline{1}$ 98 in between.	No data for $\overline{3}$ 391 after $\overline{2}$ 296
8	4118 (H-61): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ (1/1)	(Dx = 0/0)
	$\overline{2}$ 51 after $\overline{3}$ 412. Only once in 4118	No data for $\overline{3}$ 412 after $\overline{2}$ 51.
9	7224 (L-124): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ $\overline{6}$ (1/2)	(Dx = 0/0)
	$\overline{3}$ 121 after $\overline{4}$ 343. One other instance, 2129 (M-1081): $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{4}$ $\overline{5}$ $\overline{6}$ which does not need a $\overline{1}$ 98 in between	No data for $\overline{4}$ 343 after $\overline{3}$ 121. ICIT reports 35 instances for $\overline{4}$ 342 after $\overline{3}$ 121. In relation to those 35 instances, a D1 anisotropy obtains in 7224.
	* This is one of 12 clay stamps from Lothal with an identical impression, taken as one	
10	8004 (K-56) LTR: $\overline{1}$ $\overline{2}$ $\overline{3}$ (1/1)	(Dx = 0/0)
	$\overline{2}$ 319 after $\overline{3}$ 216. Only once on 8004	No data for $\overline{3}$ 216 after $\overline{2}$ 319.
11	1385 (M-): $\overline{1}$ $\overline{2}$ $\overline{3}$ (1/10)	(Dx = 2/55)

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Given sign order, with $\bar{1} \ 98$ in between	
Null simulation	Null simulation with transposition.
$\bar{1} \ 67$ after $\bar{2} \ 67a$. ICIT confirms 14 results for the same sign order only one of which needs $\bar{1} \ 98$: 9071	$\bar{2} \ 67a$ after $\bar{1} \ 67$ occurs in 2543: $\bar{2} \ 67a \ \bar{1} \ 98 \ \bar{2} \ 67a$ </> $\bar{1} \ 98 \ \bar{2} \ 67a \ \bar{1} \ 67 \ \bar{1} \ 98$. In relation to this, a D1 anisotropy obtains in 9071.