

Table S4. Related to Figure 3: Results of growing toxin only versions of EE10 and EE11 in TB10 and PAS132 backgrounds. Failure to grow in TB10 at 42°C implies a functional essentializer element. Capacity to select for the memory element was determined using the assay outlined in Figure 3A.

	Failed to grow at 42°C in TB10	Fully Selected for the Presence of the Memory Element in PAS132
EE10 toxin only 1	Yes	No
EE10 toxin only 2	Yes	Yes
EE10 toxin only 3	No	No
EE10 toxin only 4	No	No
EE10 toxin only 5	Yes	No
EE10 toxin only 6	Yes	Yes
EE10 toxin only 7	Yes	Yes
EE10 toxin only 8	Yes	Yes
EE11 toxin only 1	Yes	Yes
EE11 toxin only 2	Yes	Yes
EE11 toxin only 3	Yes	Yes
EE11 toxin only 4	No	No
EE11 toxin only 5	Yes	Yes
EE11 toxin only 6	No	No
EE11 toxin only 7	Yes	Yes

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