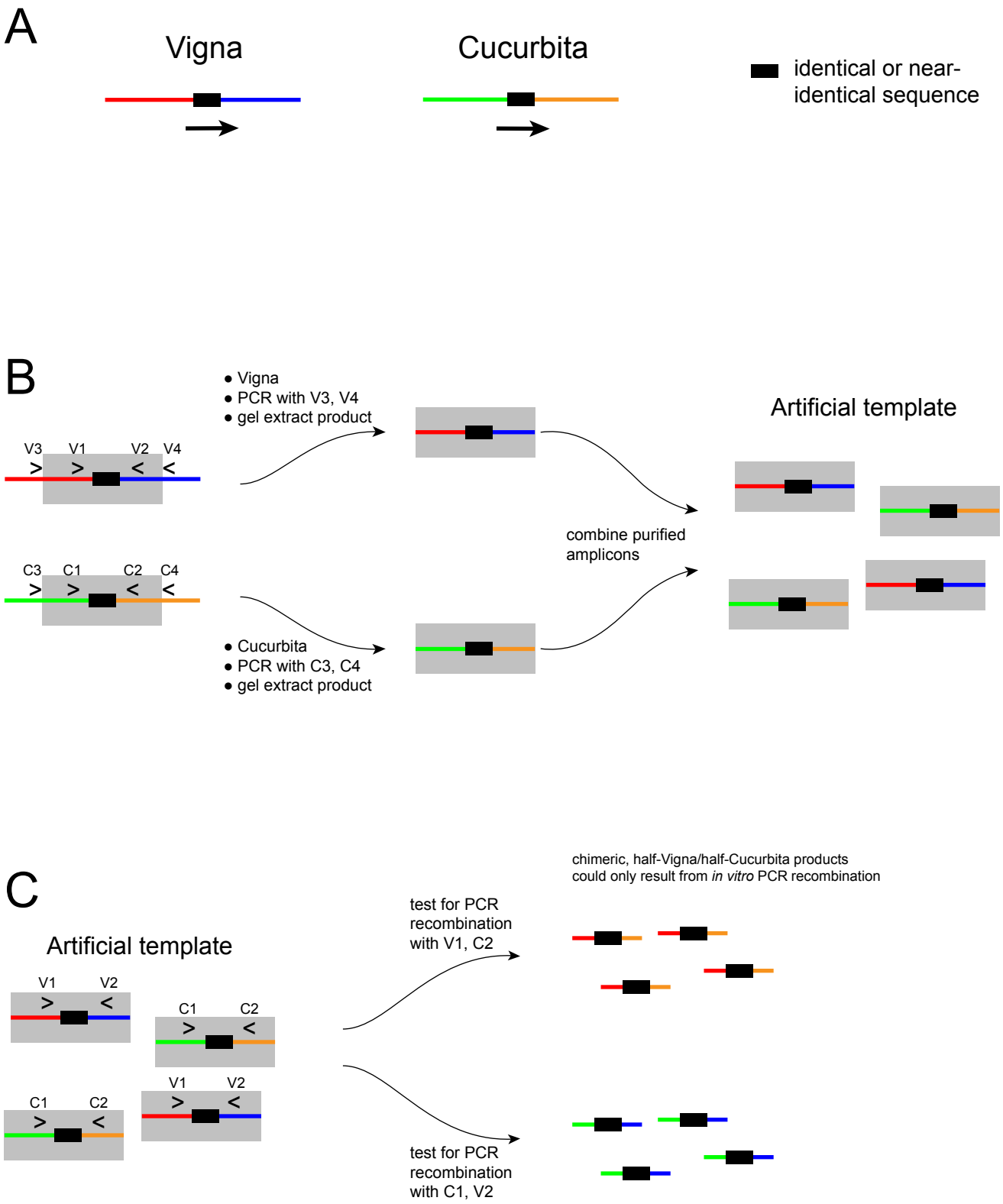
A
Vigna
Cucurbita
identical or near-identical sequence
B
Vigna
PCR with V3, V4
gel extract product
V3 V1 V2 V4
C3 C1 C2 C4
Cucurbita
PCR with C3, C4
gel extract product
combine purified amplicons
Artificial template
C
Artificial template
V1 V2
C1 C2
test for PCR recombination with V1, C2
test for PCR recombination with C1, V2
chimeric, half-Vigna/half-Cucurbita products could only result from *in vitro* PCR recombination