

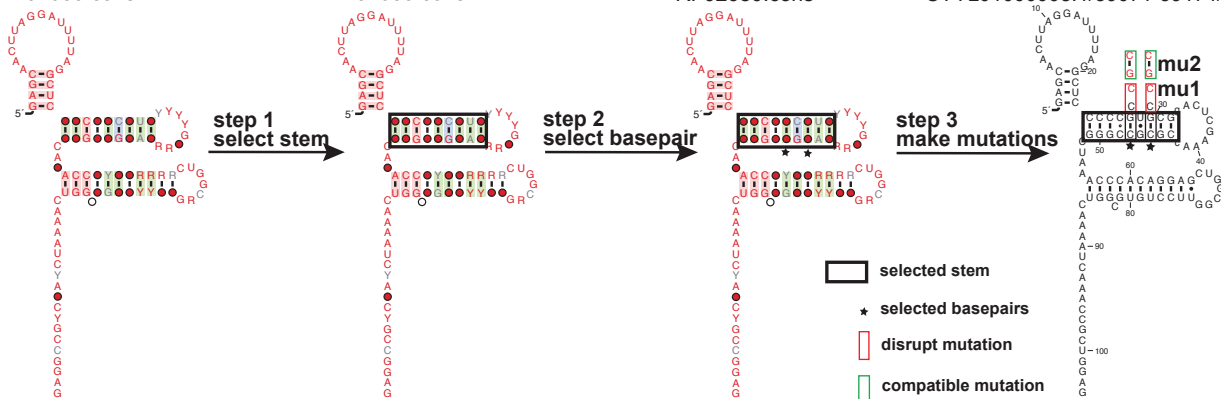
A

RF02680.cons

RF02680.cons

RF02680.cons

CYYL01000008.1/39071-39174/1-104



B

```

>w3_CYYL01000008.1/39071-39174/1-104_104
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>m3_1_CYYL01000008.1/39071-39174/1-104_104
GAGCAACUUAGGAUUUAGGCUCCCCCUCGgACUCGAAAcCGCGCGGGCUAAACCCACAGGAGCUGGCGGUUCCUGUGCGGUCAAAAUCAAAACCGCUGGAG
>m3_2_CYYL01000008.1/39071-39174/1-104_104
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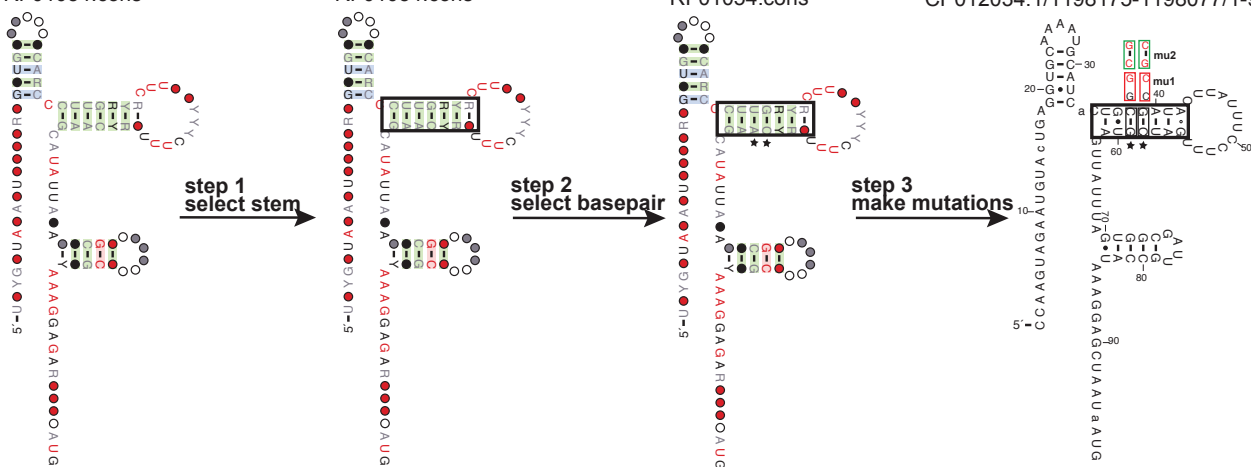
C

RF01054.cons

RF01054.cons

RF01054.cons

CP012034.1/1198175-1198077/1-99



D

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>w7_CP012034.1/1198175-1198077/1-99_102
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CCAAGUAGAAUGUAcUGAGGUGCAAAAUgCAUCaCUGGCAUACUUUUUCCUUUGAUCCUAGUUUUUAGUGGCGAUUGCCAUAAAGGAGCUAAUaAUG

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Figure S11. Examples of mutation selection. A and C, two examples show SMDesigner to follow the consensus structure information to select mutation base pairs. B and D, two examples show how to make the mutation for the disruptive and compatible mutation constructs.