

H3 Tail (not shown)

H3 T3A
H3 K14A

H3 T107A
H3 K115A

H3 α -N helix

H3 R40A
H3 K42A
H3 G44A
H3 V46A
H3 R49A
H3 R52A
H3 K56Q

H2A CTD

H2A I112A
H2A H113A
H2A L116A
H2A L117A
H2A S121A

H2A D73A
H2A E94A
H4 Y88A

H2A N74A
H2A R78A
H2A L86A

H2A F26A
H2A R30A

H2A Y51A
H2B H112A
H2B E116A

Lethal with *rsc1 Δ*
Lethal with *rsc2 Δ*

Figure 3- figure supplement 1. Synthetic lethal mutations in each of the four histones H2A, H2B, H3, and H4 when combined with *rsc1 Δ* or *rsc2 Δ* mutations. Mutations that are specifically lethal in combination with *rsc1 Δ* are colored purple, mutations that are specifically lethal with *rsc2 Δ* are colored orange. PDB code 1ID3.