A

miniARS523

miniARS1007

miniARS1018

B

miniARS318

C

Silencers in the miniARS

ARS317

ARS301

ARS318

D

ARS317 (n = 70)

ARS301 (n = 18)

ARS318 (n = 162)

****

*

*

1 2 3 4 5

Fraction in most competitive decile / fraction in total data set

Figure S1 Transcriptional silencers as well as some non-silencer origins generated competitive miniARS fragments in the miniARS experiment: (A) Graphs as in Figure 1A except the fragments associated with the indicated ARSs are black. (B) Graph as in (A) except HMR-I silencer (miniARS318) associated fragments are black. (C) Graph as in (A) except only the three silencer-associated fragments present in the miniARS data are shown. (D) Fragments associated with each of the three indicated silencers were enriched as assessed by the hypergeometric distribution function in the most competitive decile at the conclusion of the miniARS competition experiment relative to all fragments in the population. A * indicates a P-value of 0.01-0.05 whereas a **** indicates a P-value of 1 x 10-3-1x10-4.