

Fig. S1

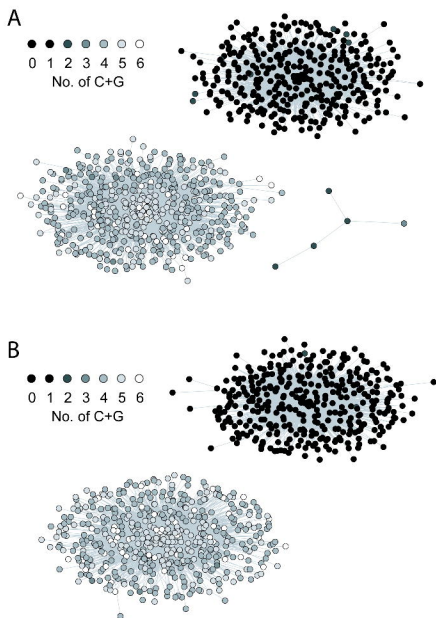


Fig.S2

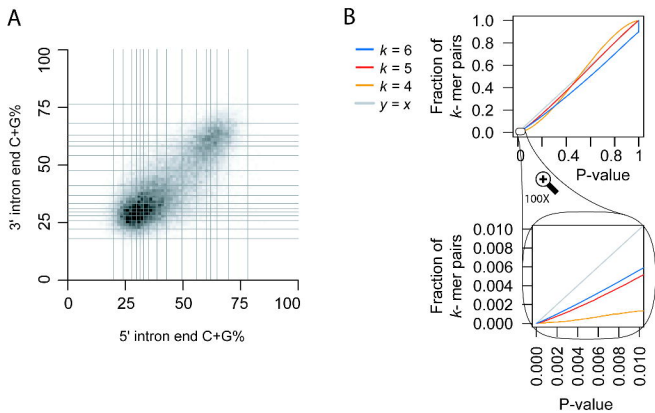
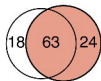
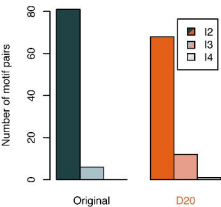
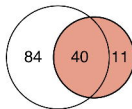
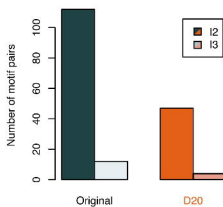


Fig. S3

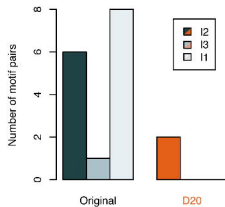
4-mer co-occurrences



5-mer co-occurrences



6-mer co-occurrences



A 109 4-mer co-occurrences

5'SS 3'SS

I2A/B (GC/AU-rich)

B 36 5-mer co-occurrences

5'SS 3'SS

I3A/B (C-rich)

C 11 6-mer co-occurrences

5'SS 3'SS

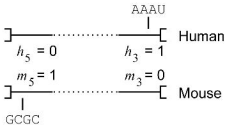
I4A/B (Purine-rich)

D 11A/B (U12-type)

11A/B (U12-type)

Fig. S5

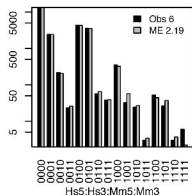
A



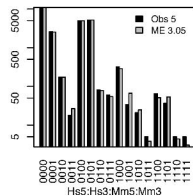
Conservation Code = 0110

Fig S6

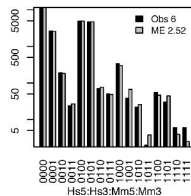
CGCG AAAA



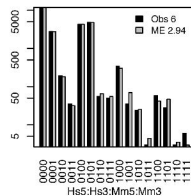
CGCG AAAT



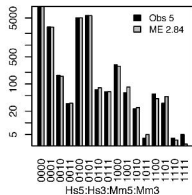
CGCG AATT



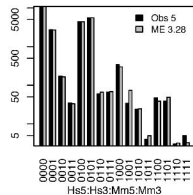
CGCG TAA



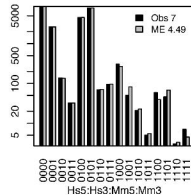
CGCG TATT



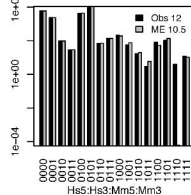
CGCG TTAA



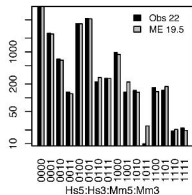
CGCG TTAT



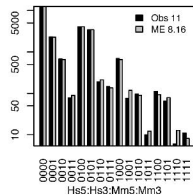
CGCG TTTT



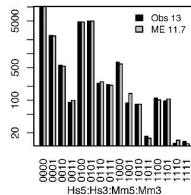
GCGC TTAA



GCGC AAAA



GCGC AAAT



GCGC AATA

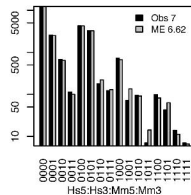
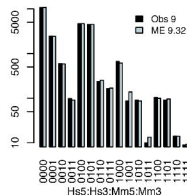
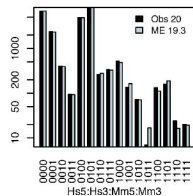


Fig S7

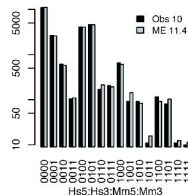
GCGC AATT



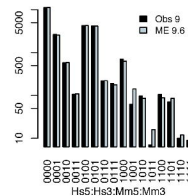
GCGC ATTT



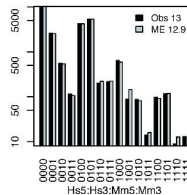
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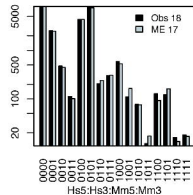
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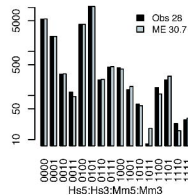
GCGC TTAA



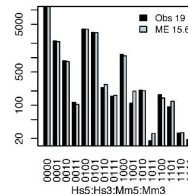
GCGC TTTA



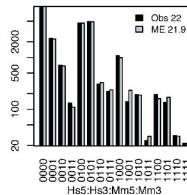
GCGC TTTT



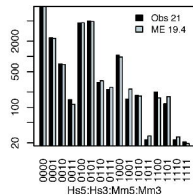
GCGG AAAA



GGCG AAAT



GGCG AAAT



GGCG AATT

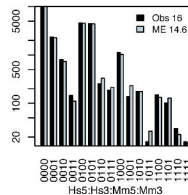


Fig.S8

Negative Mutual Information

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