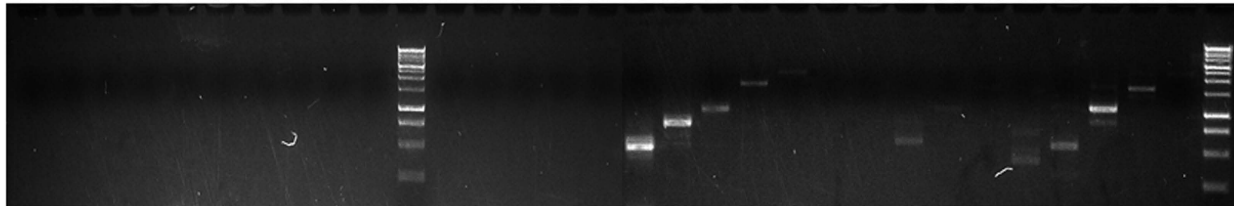
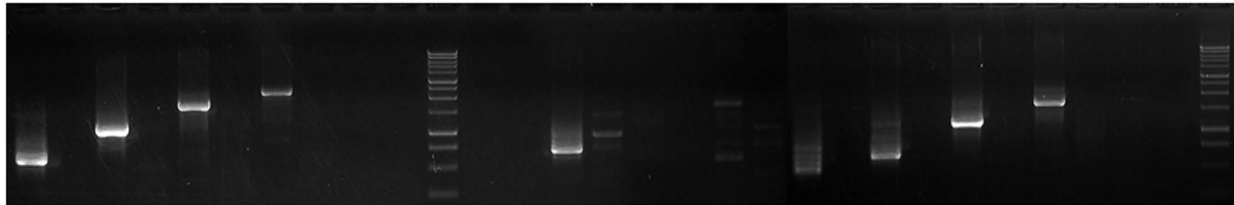


A 137 →

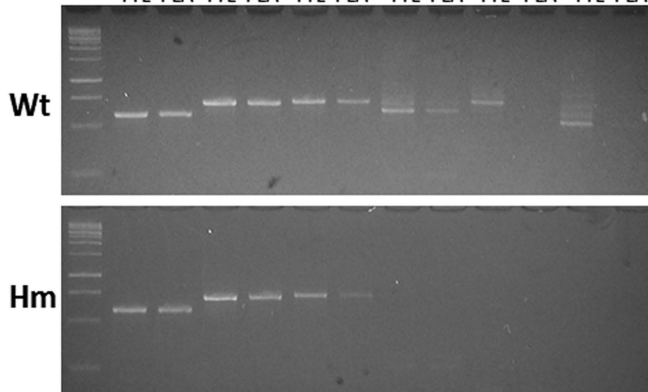
24 27 30 33 37 50 52 54 56 58 M 60 62 64 66 68 70 71 72 74 76 78 80 82 84 86 88 90 92 94 96



B 115-70 115-72 115-74 115-76 115-78 115-80 115-82 115-84 115-86 115-88 115-90 115-92 115-94 115-96
 Wt Hm Wt Hm Wt Hm Wt Hm Wt Hm M Wt Hm Wt Hm Wt Hm Wt Hm Wt Hm Wt Hm Wt Hm Wt Hm

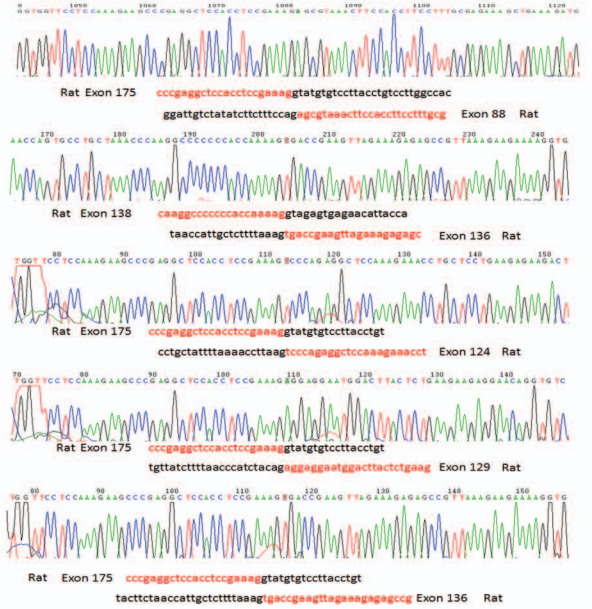
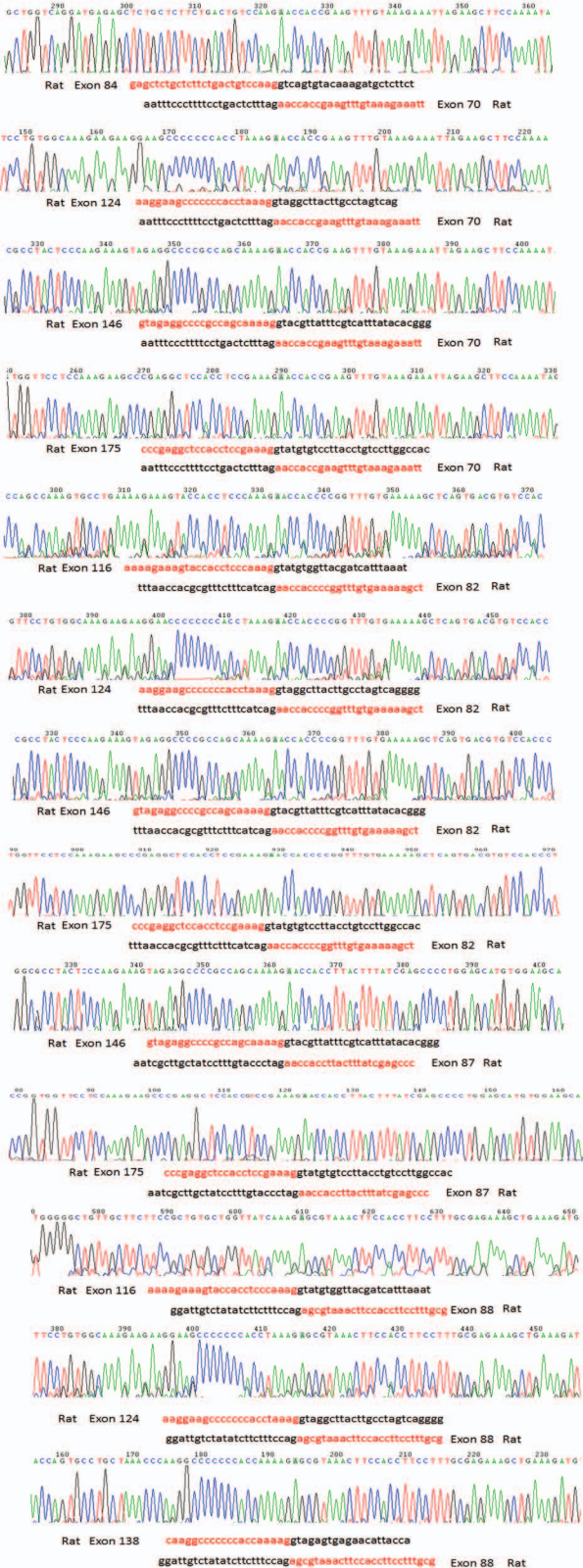


C 22-24 28-30 35-37 115-70 115-82 115-88
 TTL PLA TTL PLA TTL PLA TTL PLA TTL PLA TTL PLA



Rat

Supplementary Figure S4

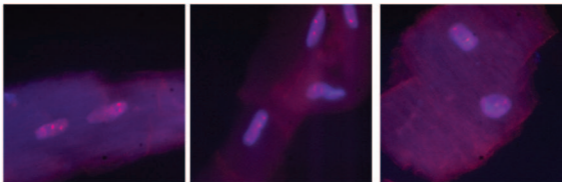


Human

Supplementary Figure S5

A

Rbm20



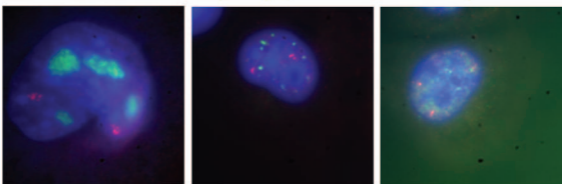
B

Nucleoli

Splicing Speckles

Paraspeckles

Rbm20

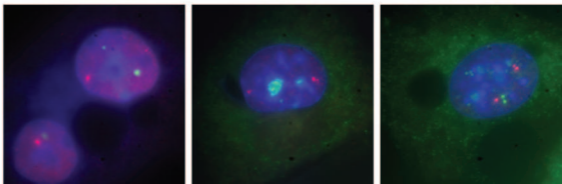


Cajal bodies

Gems

PML bodies

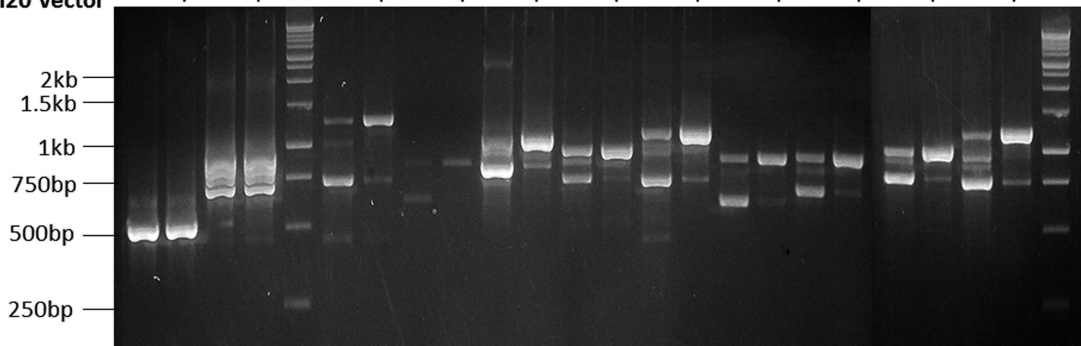
Rbm20



A

In HeLa cell

	25-27		35-37		52-54		54-56		56-58		58-60		60-62		62-64		64-66		66-68		68-70	
Control Vector	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Rbm20 Vector	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+

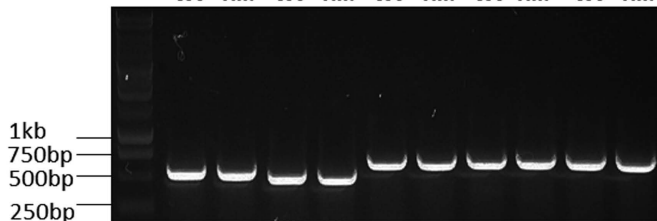


	24-27	34-37	52-54	54-56	56-58	58-60	60-62	62-64	64-66	66-68	68-70
DNA	766	930	1244	777	1029	916	1075	853	881	984	1170
RNA	543	722	722	509	816	719	709	589	675	771	734

B

In living muscle

22-24		25-27		28-30		31-33		35-37	
Wt	Hm	Wt	Hm	Wt	Hm	Wt	Hm	Wt	Hm



C

Control Vector	-	-	+	+
Rbm20 Vector	+	+	-	-

Rbm20

SFRS1

