

Table S1 – Number of syntenic segments revealed by MMU and RNO paint probes in *Cricetus cricetus* and *Peromyscus eremicus* chromosomes.

MMU paints	CCR	PER	RNO paints	CCR	PER
1	3(5)	3(5)	1	3(9)	3(8)
2	2(5)	2(4)	2	2(6)	2(4)
3	1(5)	1(3)	3	1(4)	1(4)
4	1(3)	1(4)	4	2(4)	1(5)
5	3(5)	3(4)	5	1(3)	1(4)
6	2(4)	1(5)	6	2(6)	2(5)
7	2(6)	1(4)	7	3(4)	2(4)
8	2(5)	2(4)	8	1(2)	1(3)
9	1(3)	1(3)	9	2(3)	2(4)
10	3(4)	3(3)	10	1(3)	1(2)
11	2(2)	2(2)	11	1(2)	1(2)
12	2(5)	2(4)	12	1(1)	1(1)
13	2(5)	2(3)	13	1(2)	1(2)
14	1(2)	1(2)	14	1(3)	1(2)
15	2(4)	2(4)	15	1(1)	1(3)
16	2(3)	1(2)	16	1(3)	2(2)
17	4(7)	4(5)	17	1(2)	1(1)
18	1(3)	1(1)	18	1(3)	1(1)
19	1(1)	1(3)	19	1(3)	1(3)
			20	2(3)	2(2)
X	1(3)	1(8)	X	1(3)	1(8)
Y	-	1(1)	Y	-	1(1)

The numbers displayed in the columns represent the number of chromosomes where MMU and RNO paints hybridized and the number in parentheses represent the number of segments that each probe promoted.