

**Table S2** – Colocalization between constitutive heterochromatin and evolutionary breakpoint regions (delineated by both index species and by the ancestral Muroidea karyotype) in *Cricetus cricetus* and *Peromyscus eremicus*.

	<b>EBr</b>	<b>Colocalization EBr/CH (%)</b>	<b>Colocalization CH/EBr (%)</b>
<b><i>C. cricetus</i></b>	delineated by AMK	57%	34%
	delineated by MMU	49%	77%
	delineated by RNO	49%	68%
<b><i>P. eremicus</i></b>	delineated by AMK	67%	2%
	delineated by MMU	71%	30%
	delineated by RNO	64%	25%

EBr – Evolutionary Breakpoint regions; CH- Constitutive Heterochromatin. The constitutive heterochromatin was accessed by C-bands counting. EBr/CH- Percentage of evolutionary breakpoint regions that are colocalized with C-bands; CH/EBr- Percentage of C-bands that are colocalized with evolutionary breakpoint regions.