

**Additional file 1: Distribution of *Bkm* derived GACA/GATA repeats across the species**

S.No.	Species	Chromosome number (Per haploid genome)	(GACA)4		(GATA)4	
			Genome	Transcriptome	Genome	Transcriptome
1.	Archeas	-	-	-	-	-
2.	<i>Dictyostelium discoideum</i>	3	+	-	-	-
3.	<i>C. elegans</i>	6	+	-	+	-
4.	<i>Arabidopsis thaliana</i>	5	+	-	+	+
5.	<i>Saccharomyces cerevisiae</i>	16	-	-	+	-
6.	<i>Gallus gallus</i>	33	+	+	+	+
7.	<i>Canis familiaris</i>	39	+	+	+	-
8.	<i>Drosophila melanogaster</i>	5	+	-	+	+
9.	<i>Danio rerio</i>	25	+	+	+	+
10.	<i>Sus scrofa</i>	19	+	+	+	-
11.	<i>Ovis aries</i>	27	+	NA	+	NA
12.	<i>Capra hircus</i>	29	+	NA	+	NA
13.	<i>Zea mays</i>	10	+	-	+	+
14.	<i>Bos taurus</i>	30	+	+	+	+
15.	<i>Bubalus bubalis</i>	25	+	+	+	+
16.	<i>Mus musculus</i>	20	+	+	+	+
17.	<i>Rattus norvegicus</i>	21	+	+	+	+
18.	<i>Homo sapiens</i>	23	+	+	+	+