



**Figure S5.** The CG content of parent-of-origin dependent nucleosomes. The blue, red and green lines represent the CG content of DNA sequence occupied by maternal specifically positioned nucleosomes (mat-nucleosomes), paternal specifically positioned nucleosomes (pat-nucleosomes) and all bi-allelic nucleosomes. Bi-allelic nucleosomes, nucleosomes not significant deviation from 2:1 ratio of maternal allele to paternal allele in each reciprocal hybrids.