Suppl Fig. S3. Changes in H3 hyperacetylation and H3-K4 di-methylation are specific for the *Bdnf* P3 and P4 promoters. Levels of H3 acetylation (K9,14) and H3-K4 di-methylation were measured by ChIP at all five *Bdnf* promoter regions, P1-P5, after the following treatments: control + saline, control + chronic imipramine, defeat stress + saline, and defeat stress + chronic imipramine. **a.** While defeated animals treated with chronic imipramine displayed a significant increase in the level of H3 acetylation at the *Bdnf* P3 and P4 promoters (see Fig. 3c), there were no significant changes in any of the treatment groups at the other *Bdnf* promoters, P1, P2, and P5. **b.** Similarly, levels of H3-K4 di-methylation were significantly enriched in defeated animals treated with chronic imipramine at the *Bdnf* P3 promoter. While there was a trend for an increase in H3-K4 di-methylation at *Bdnf* P4 in this group, it did not reach a level of significance. Significant changes were not detected at other *Bdnf* promoter regions (P1, P2, and P4); *n* = 6.