Figure S3: The effect of a A/C SNP at a forward strand C site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 84 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
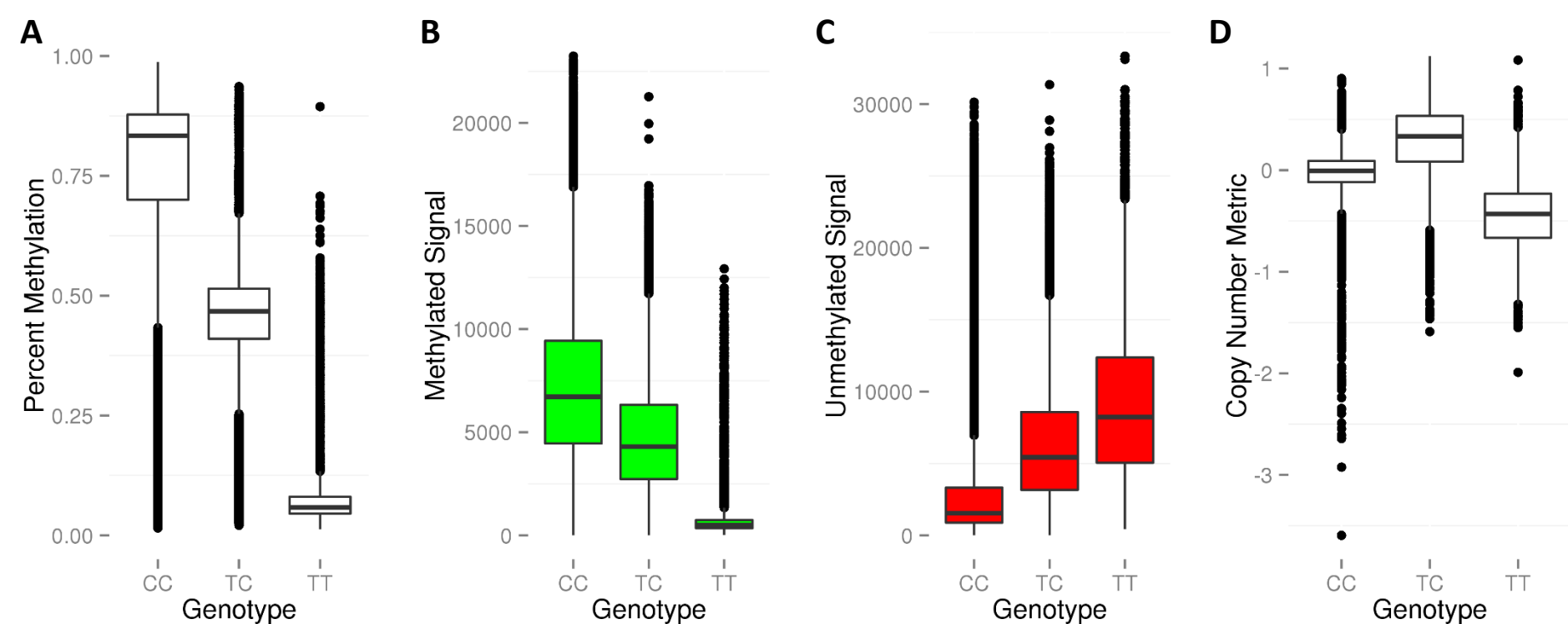
Figure S4: The effect of a T/C SNP at a forward strand C site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 824 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
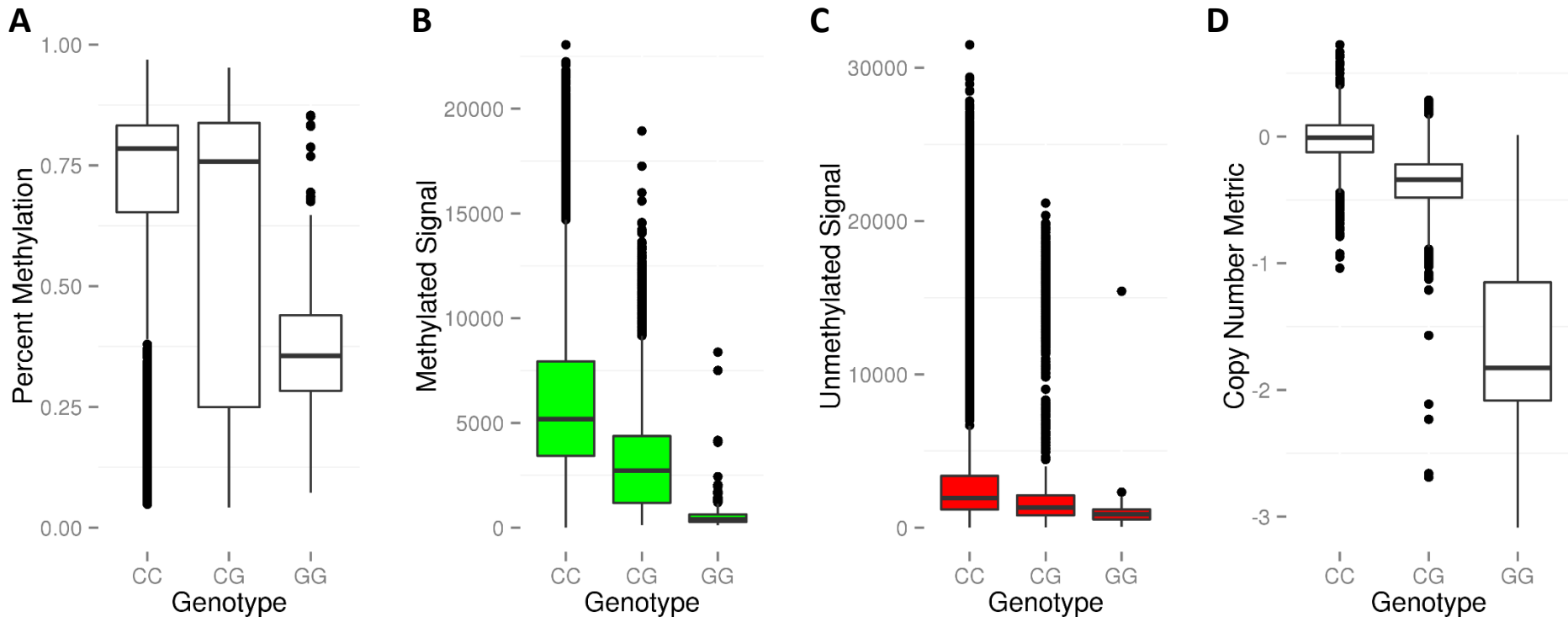
Figure S5: The effect of a C/G SNP at a reverse strand C site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 60 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
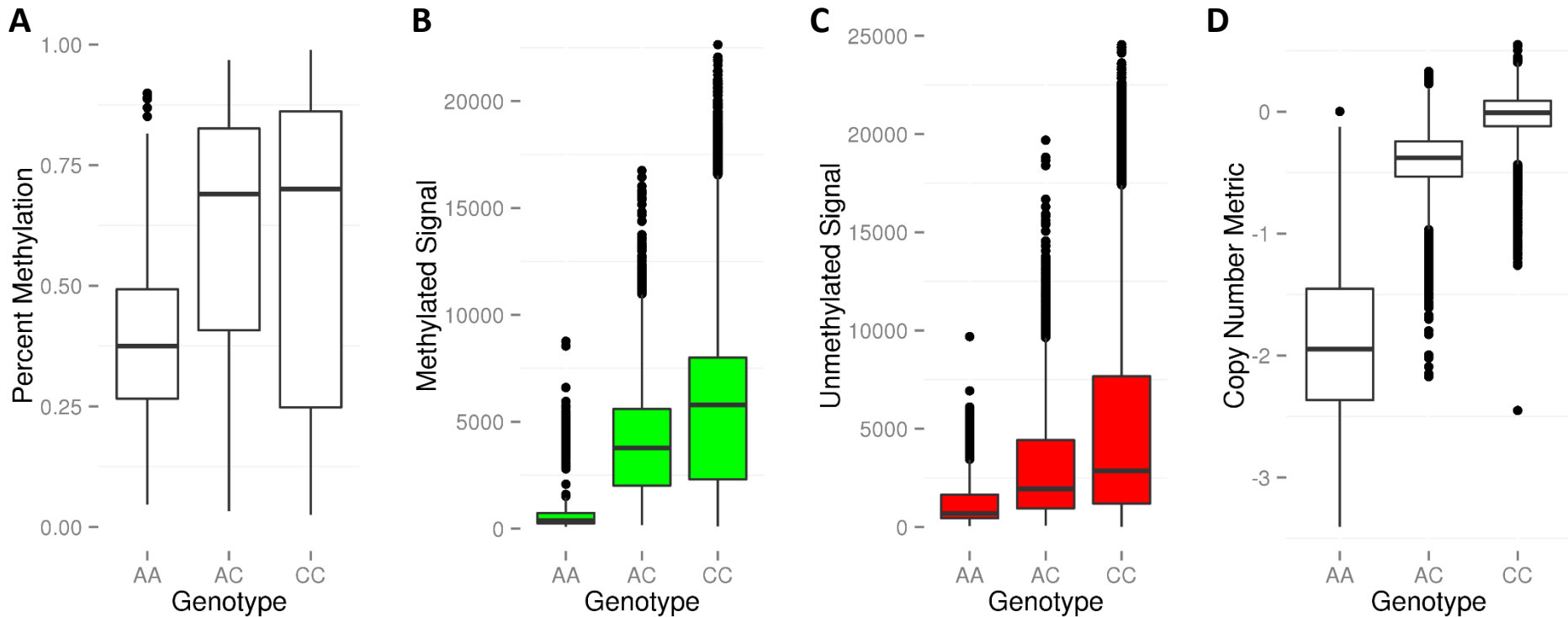
Figure S6: The effect of a A/C SNP at a reverse strand C site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 76 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
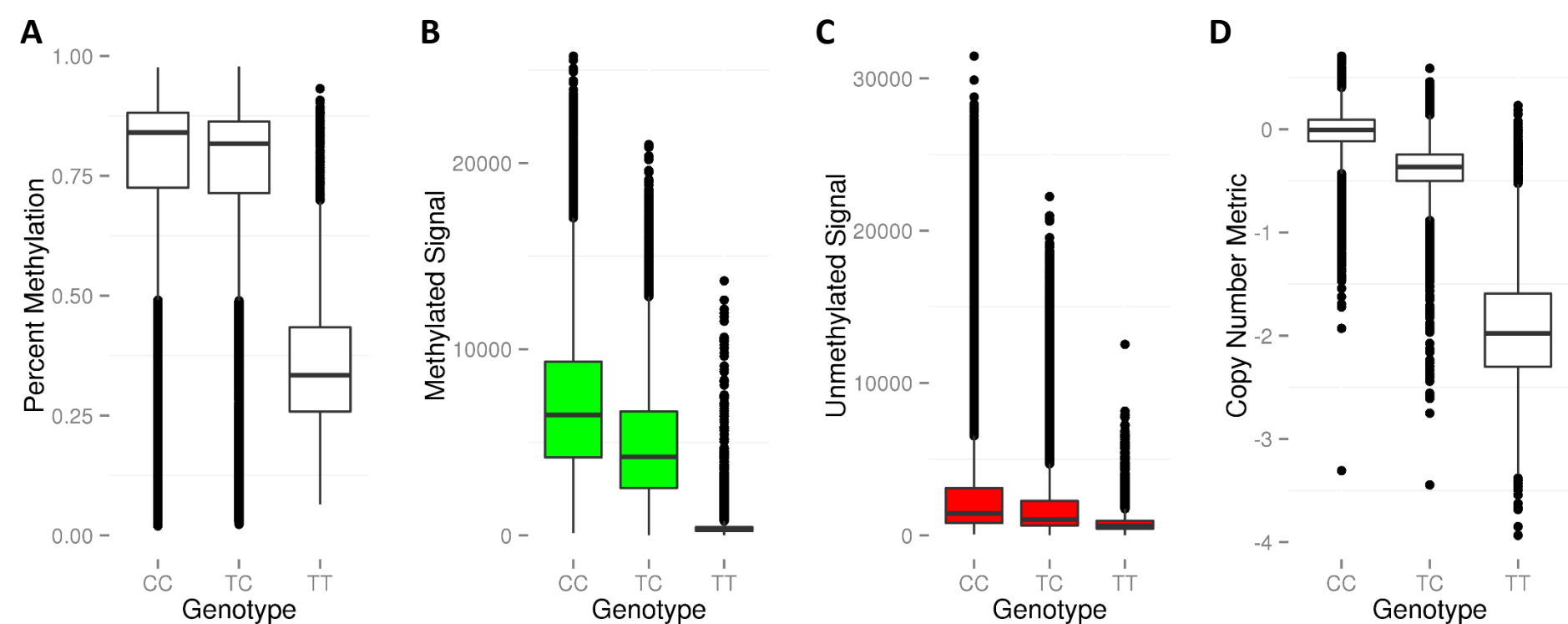
Figure S7: The effect of a T/C SNP at a reverse strand C site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 775 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
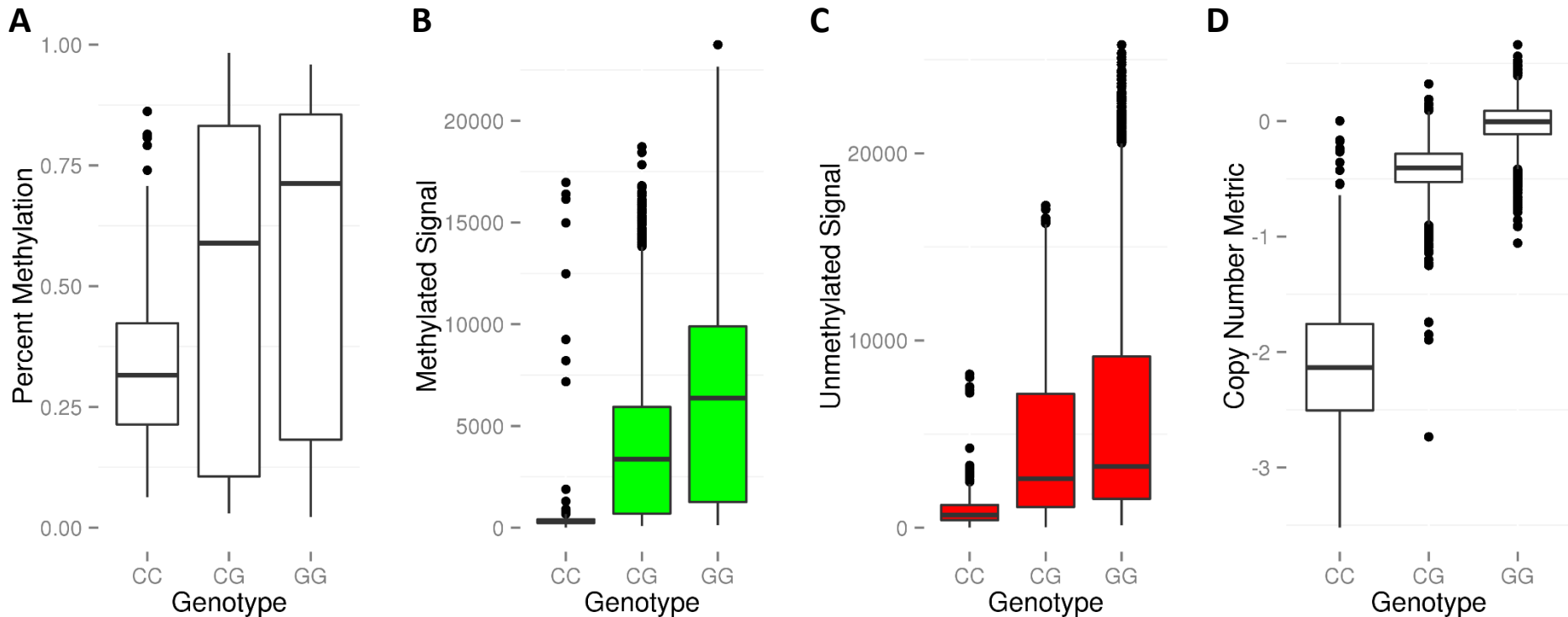
Figure S8: The effect of a C/G SNP at a forward strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 67 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
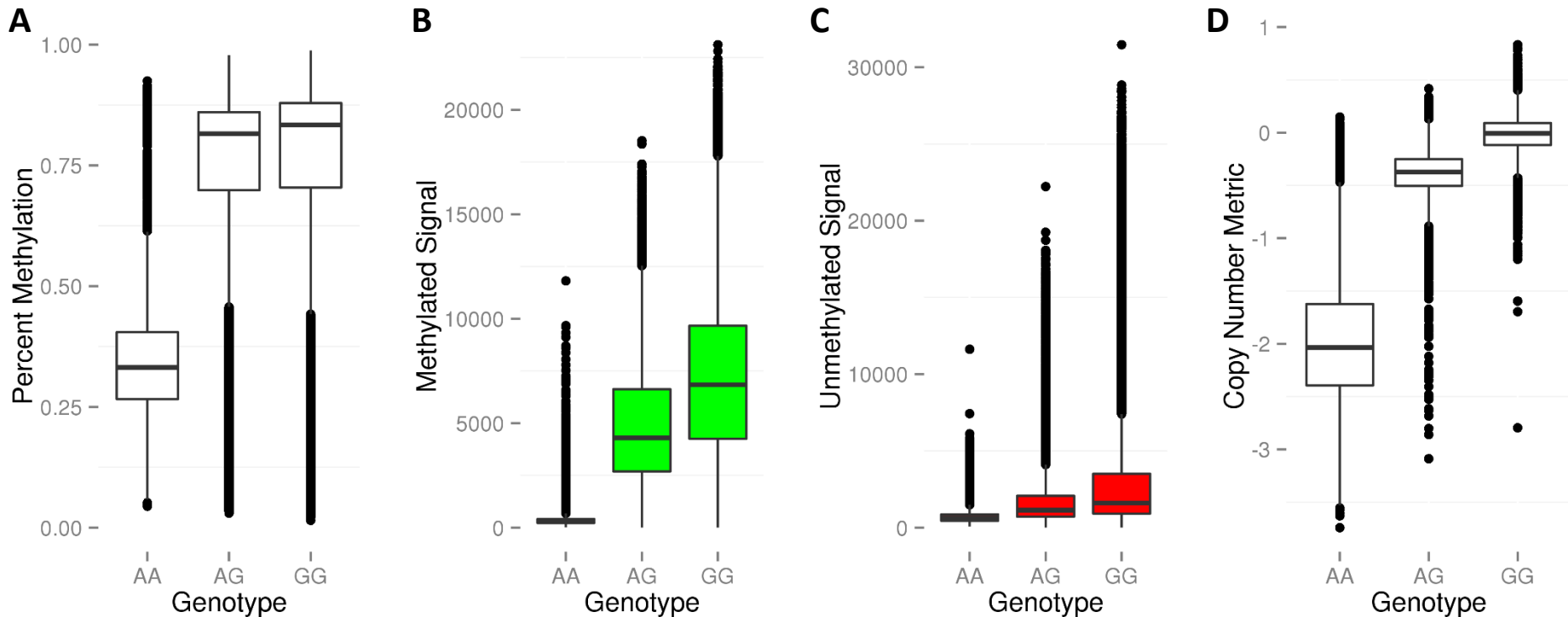
Figure S9: The effect of a A/G SNP at a forward strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 826 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
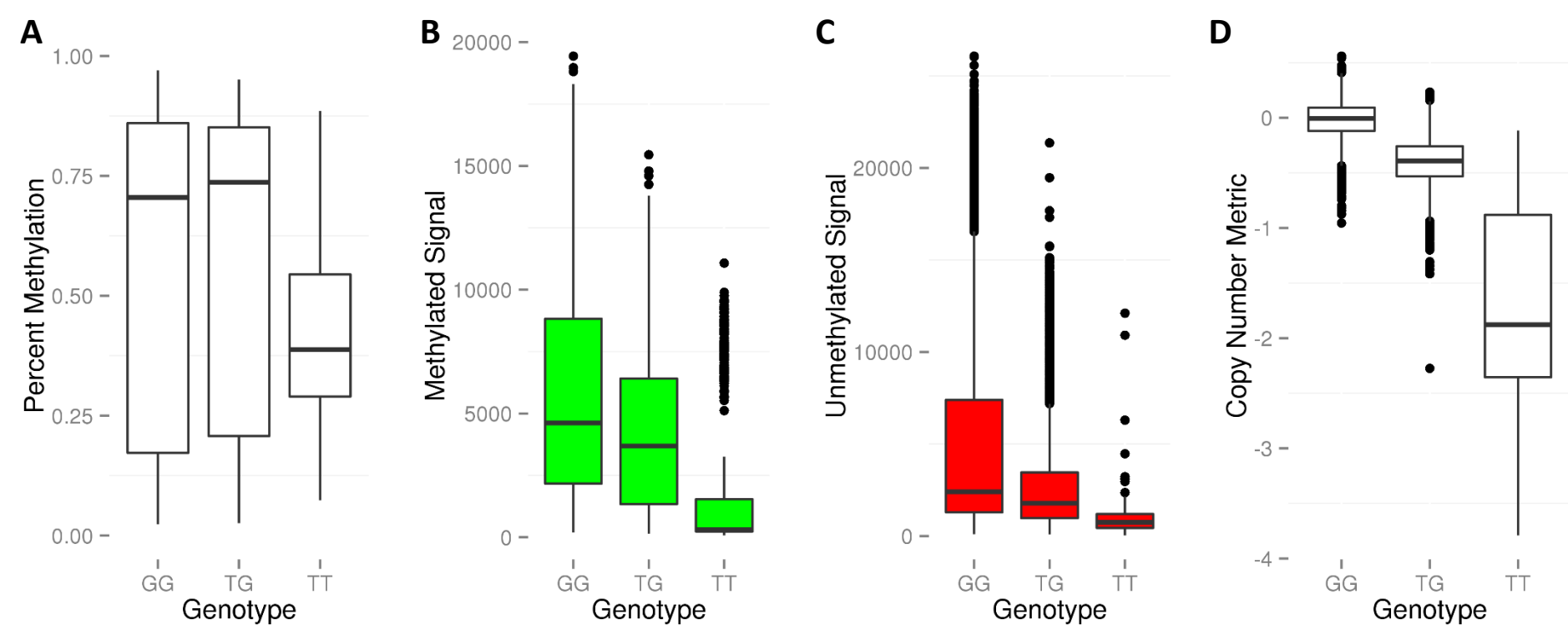
Figure S10: The effect of a T/G SNP at a forward strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 67 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
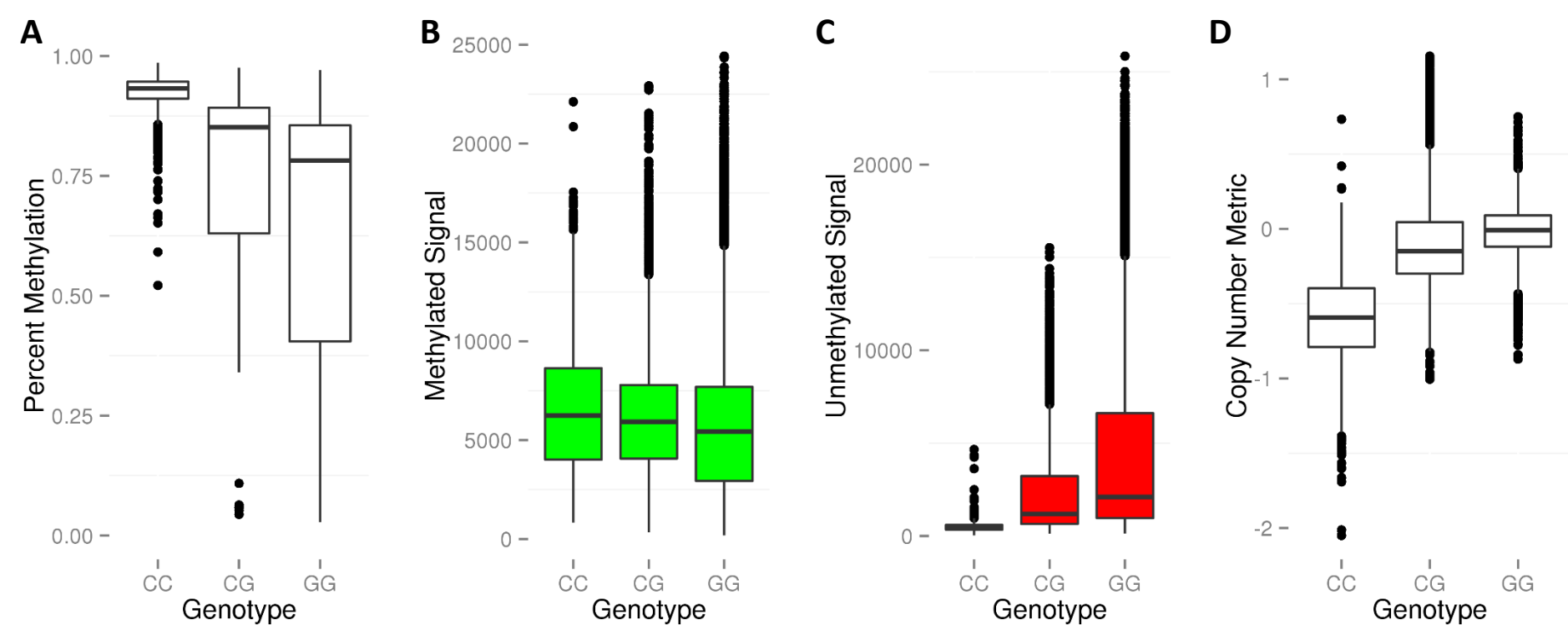
Figure S11: The effect of a C/G SNP at a negative strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 95 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
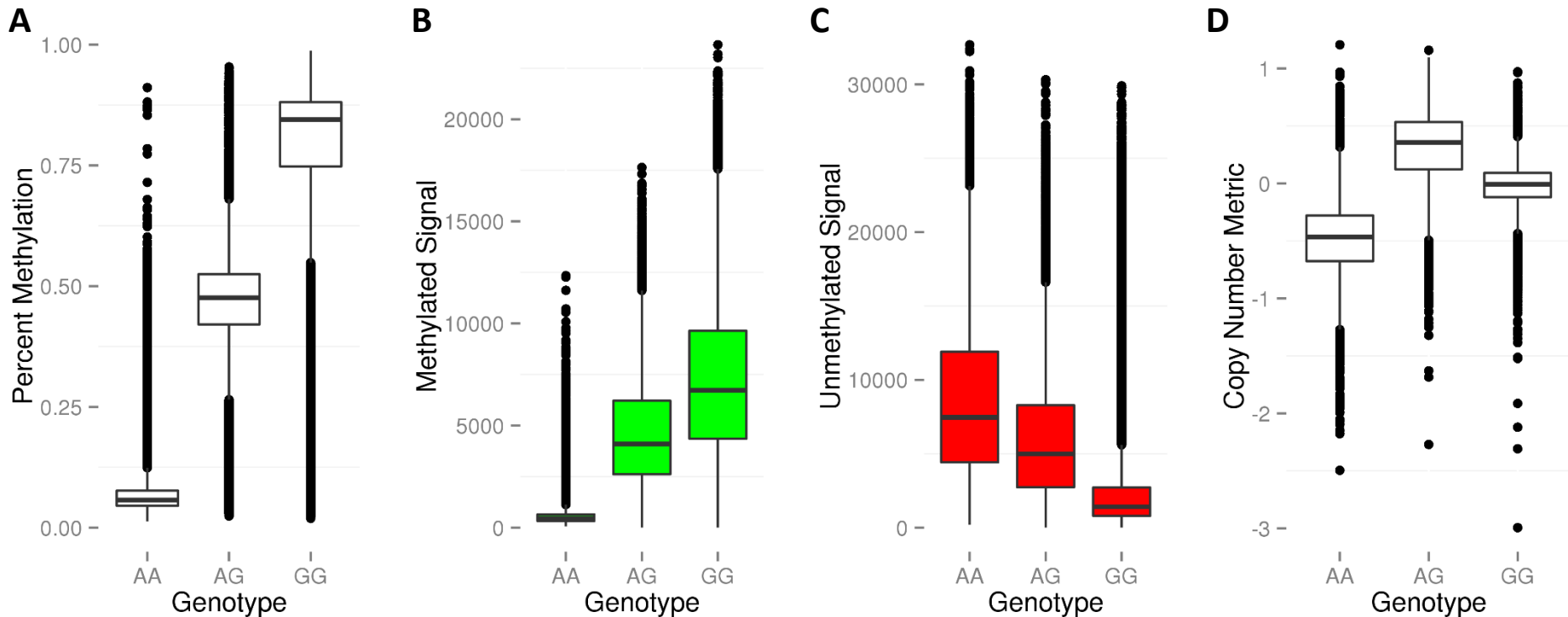
Figure S12: The effect of a A/G SNP at a negative strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 1258 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
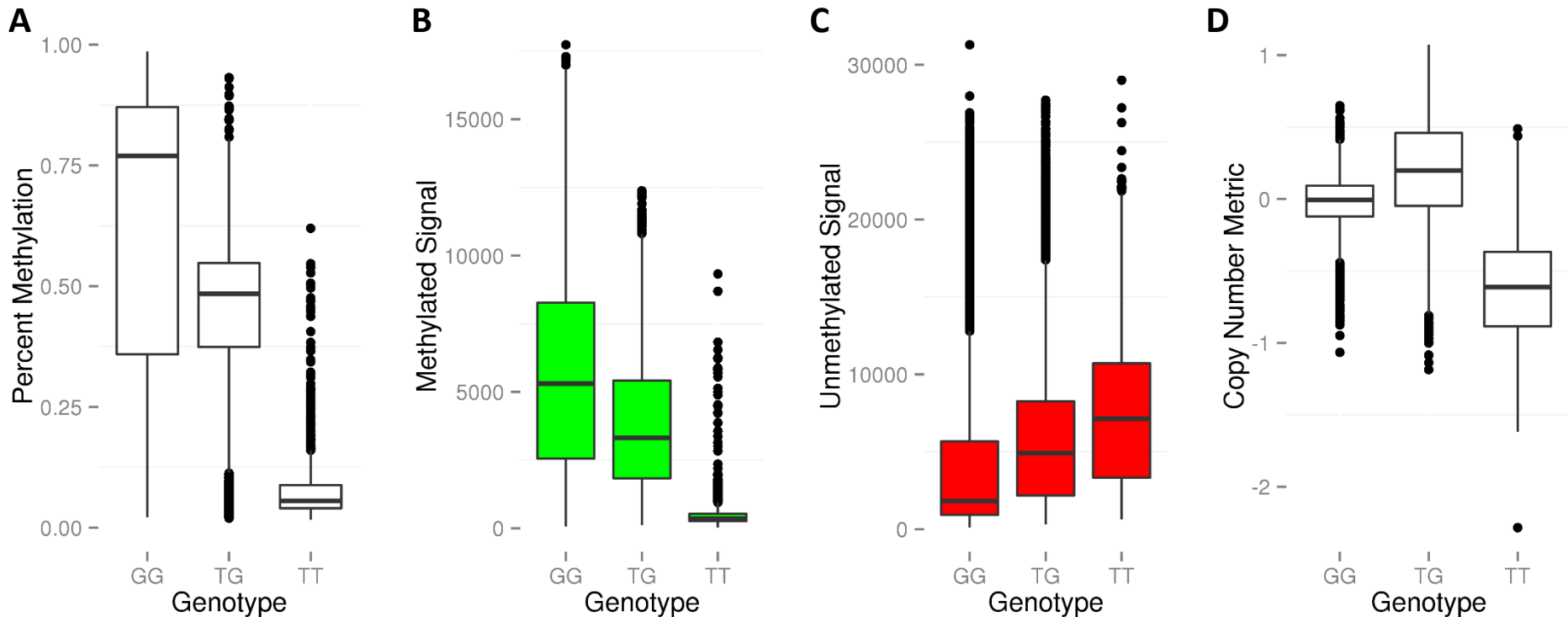
Figure S13: The effect of a T/G SNP at a negative strand G site of Type II 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 131 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
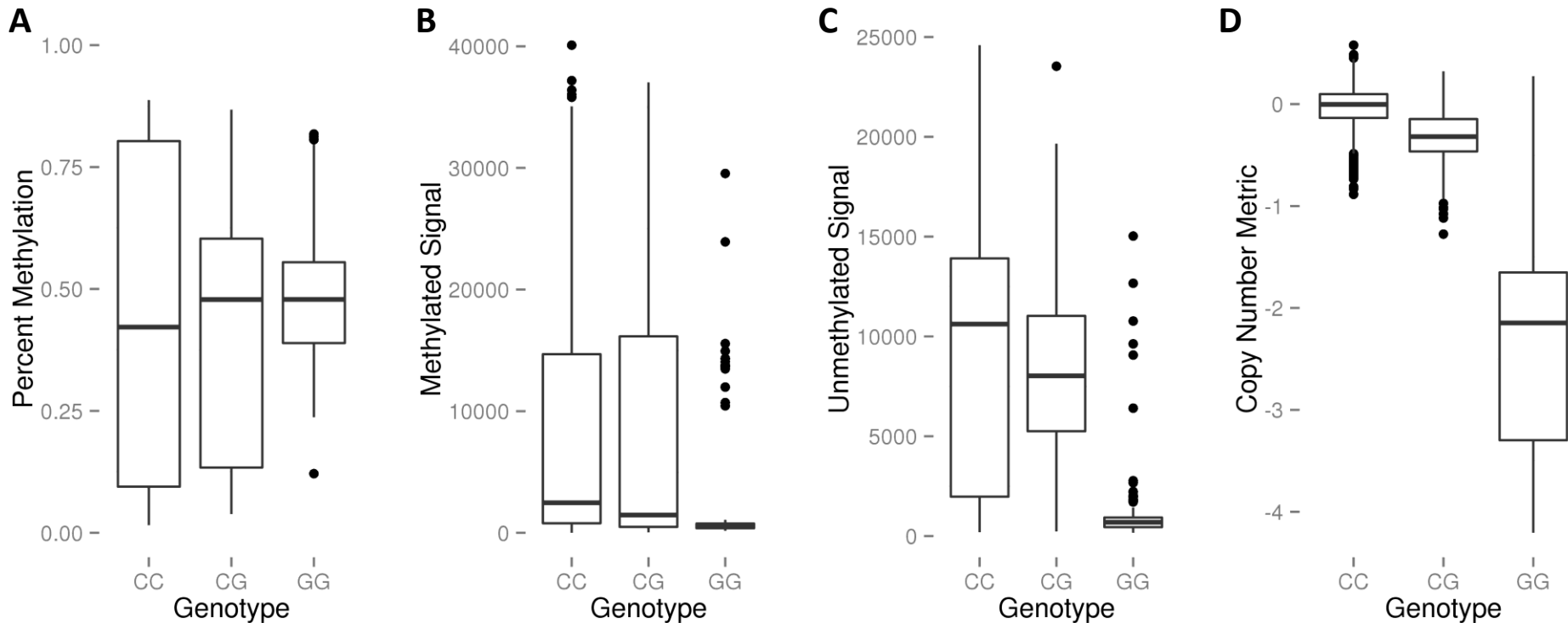
Figure S14: The effect of a C/G SNP at a positive strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 23 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
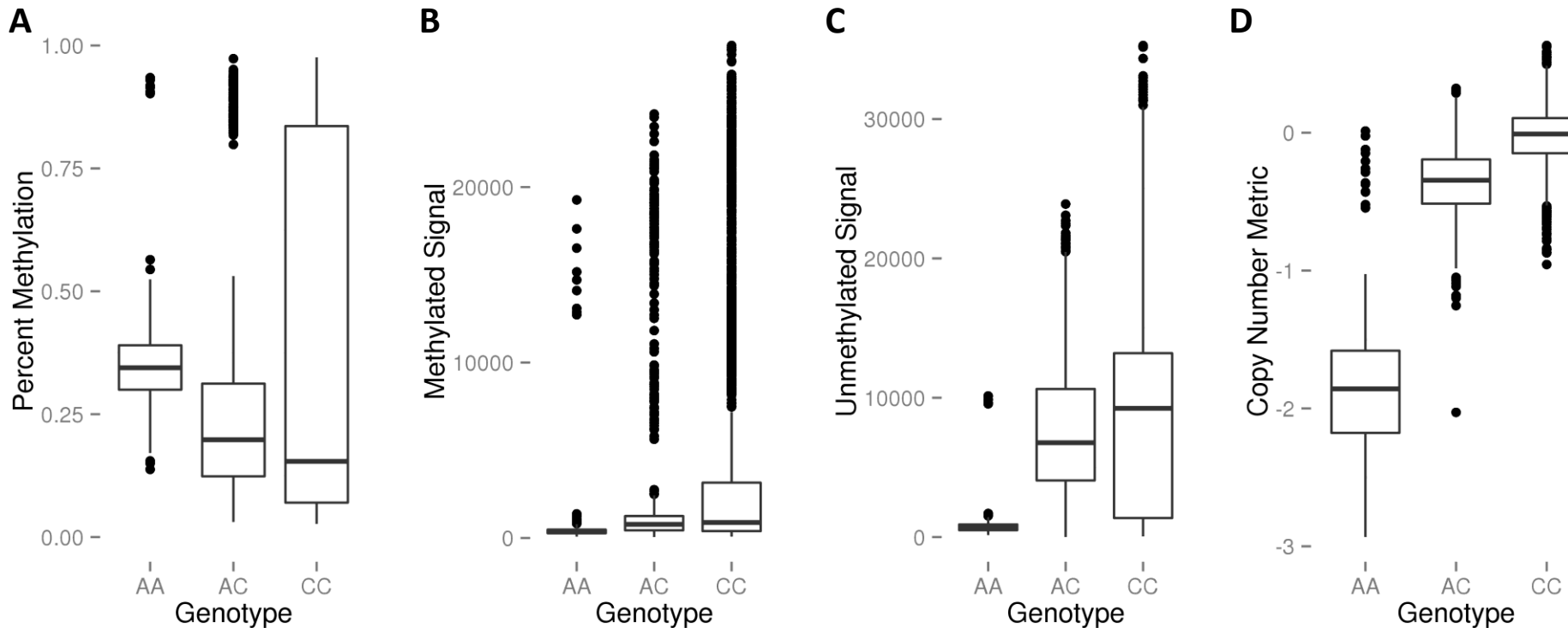
Figure S15: The effect of a A/C SNP at a positive strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 30 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
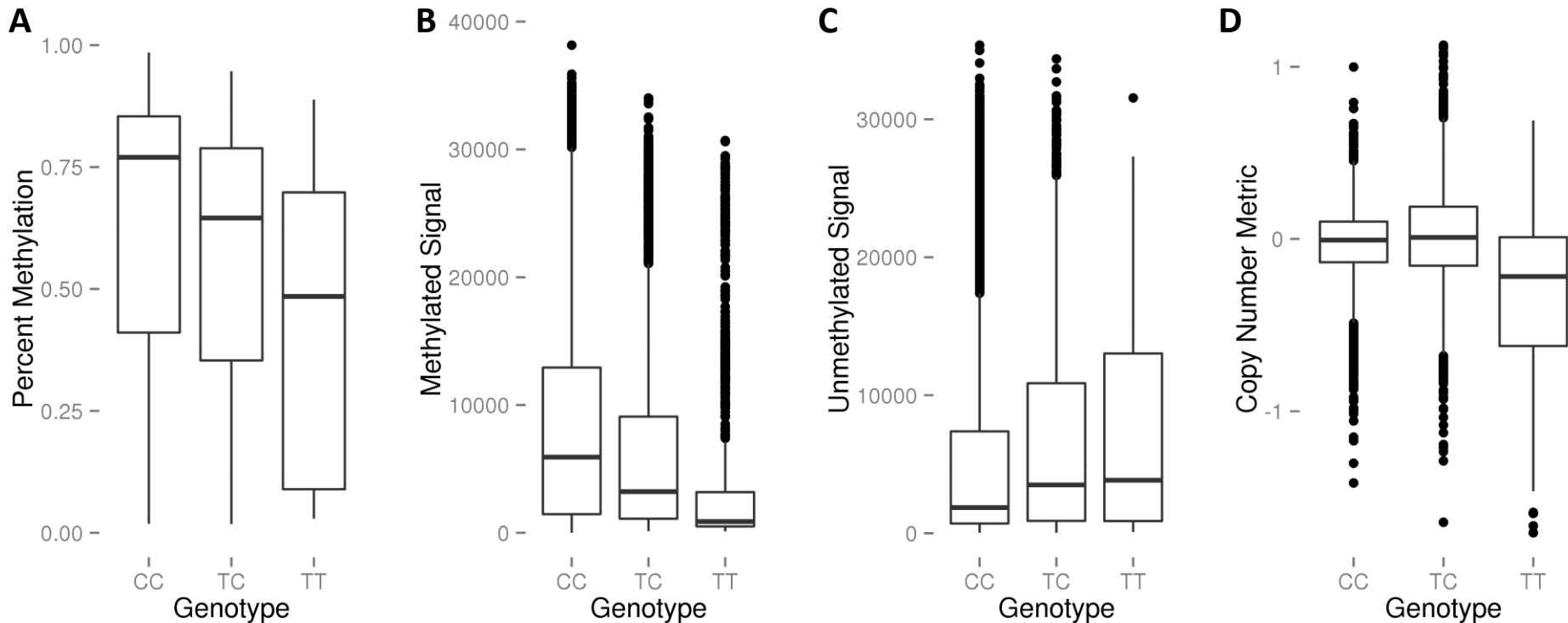
Figure S16: The effect of a T/C SNP at a positive strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 138 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
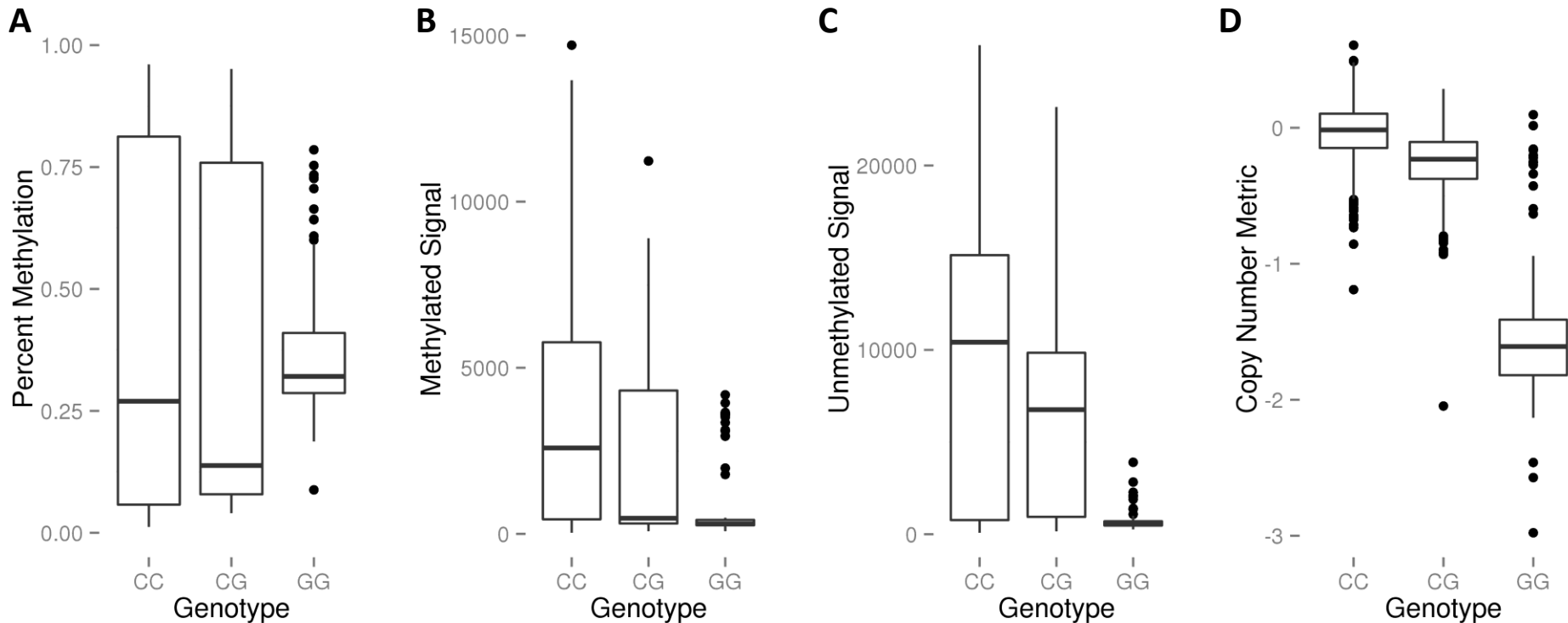
Figure S17: The effect of a C/G SNP at a negative strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 20 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
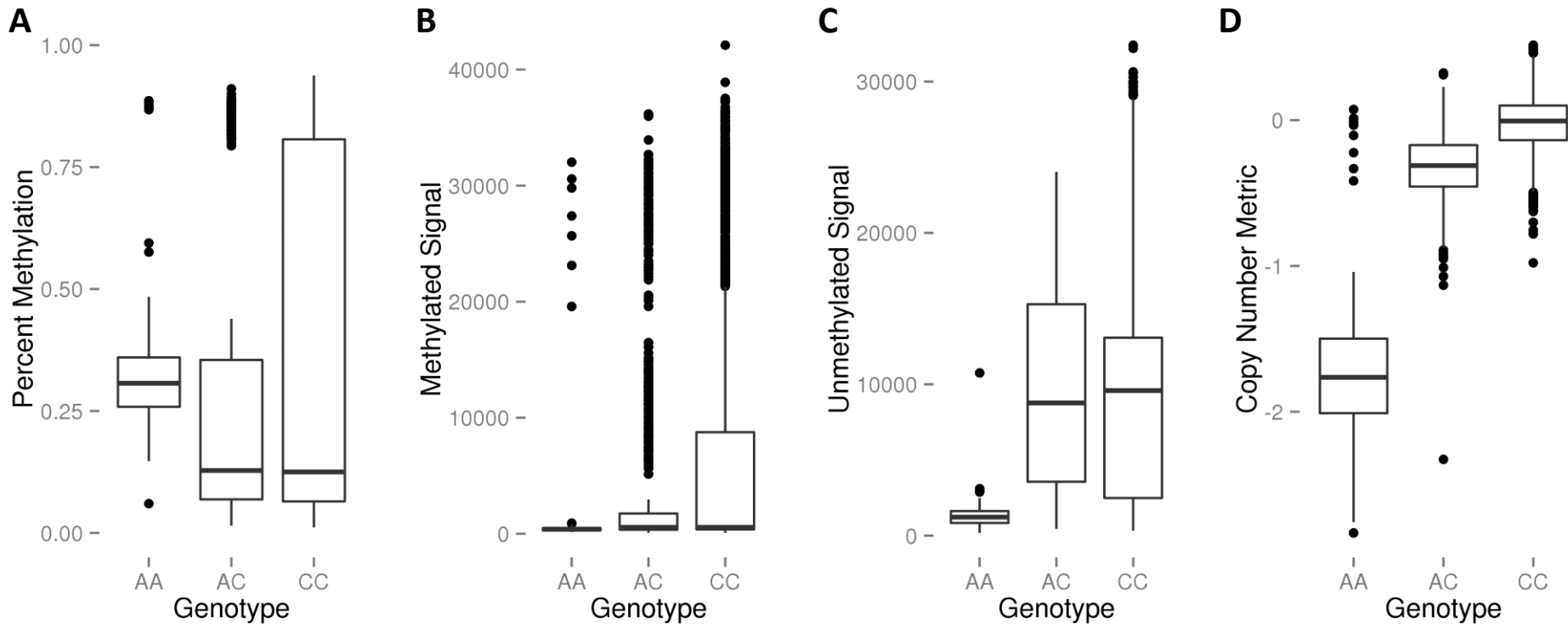
Figure S18: The effect of a A/C SNP at a negative strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 29 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
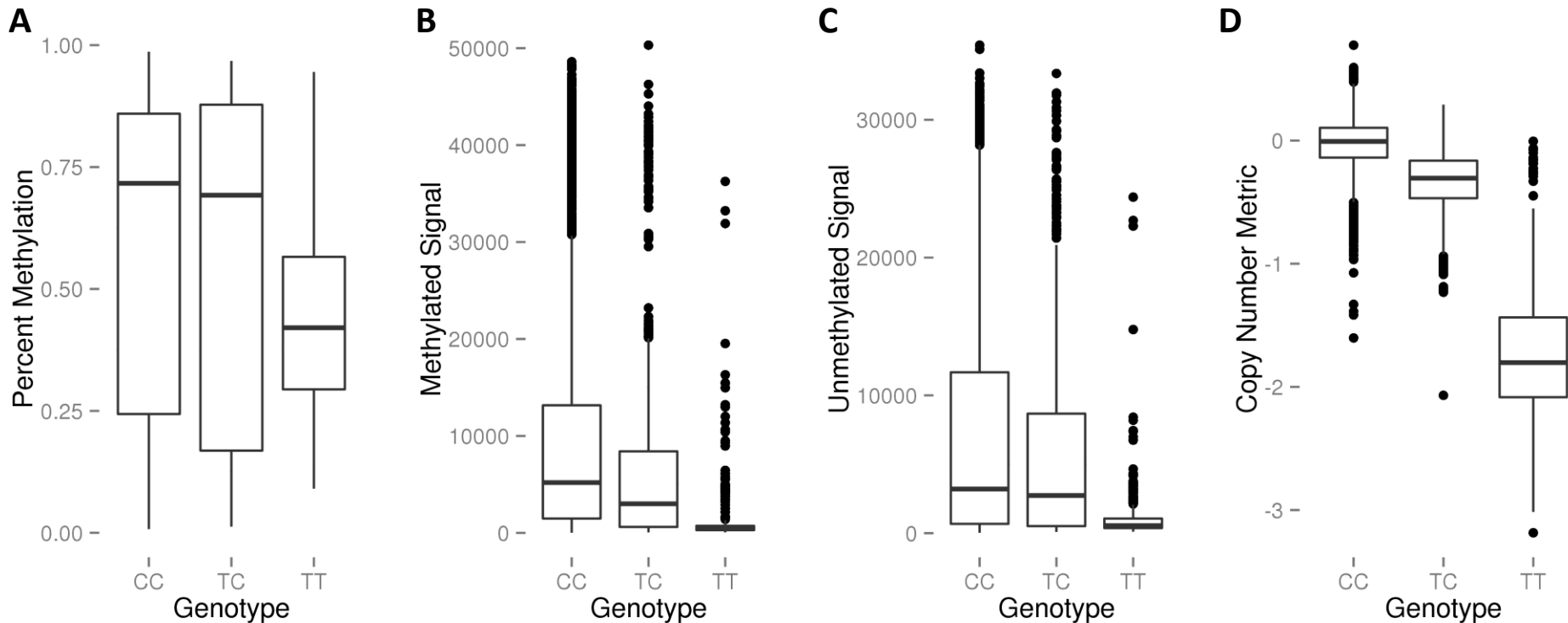
Figure S19: The effect of a T/C SNP at a negative strand C site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 115 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
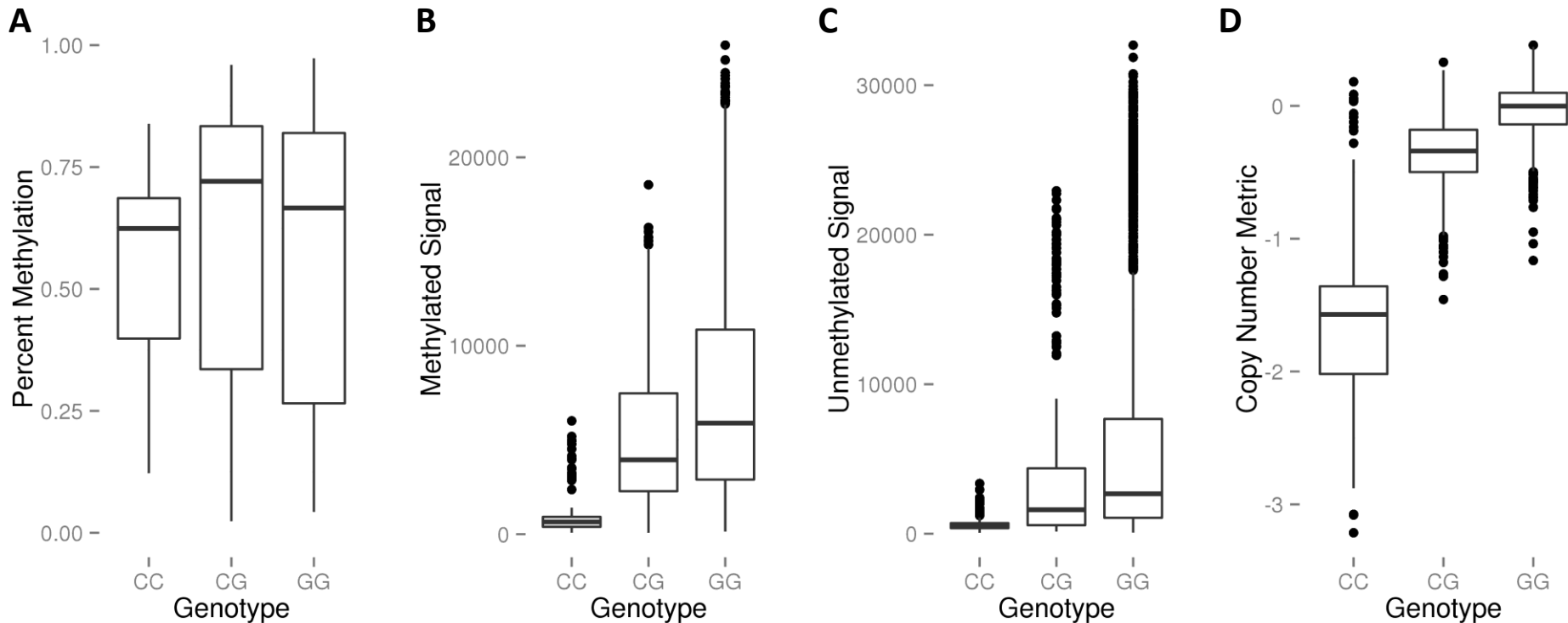
Figure S20: The effect of a C/G SNP at a positive strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 24 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
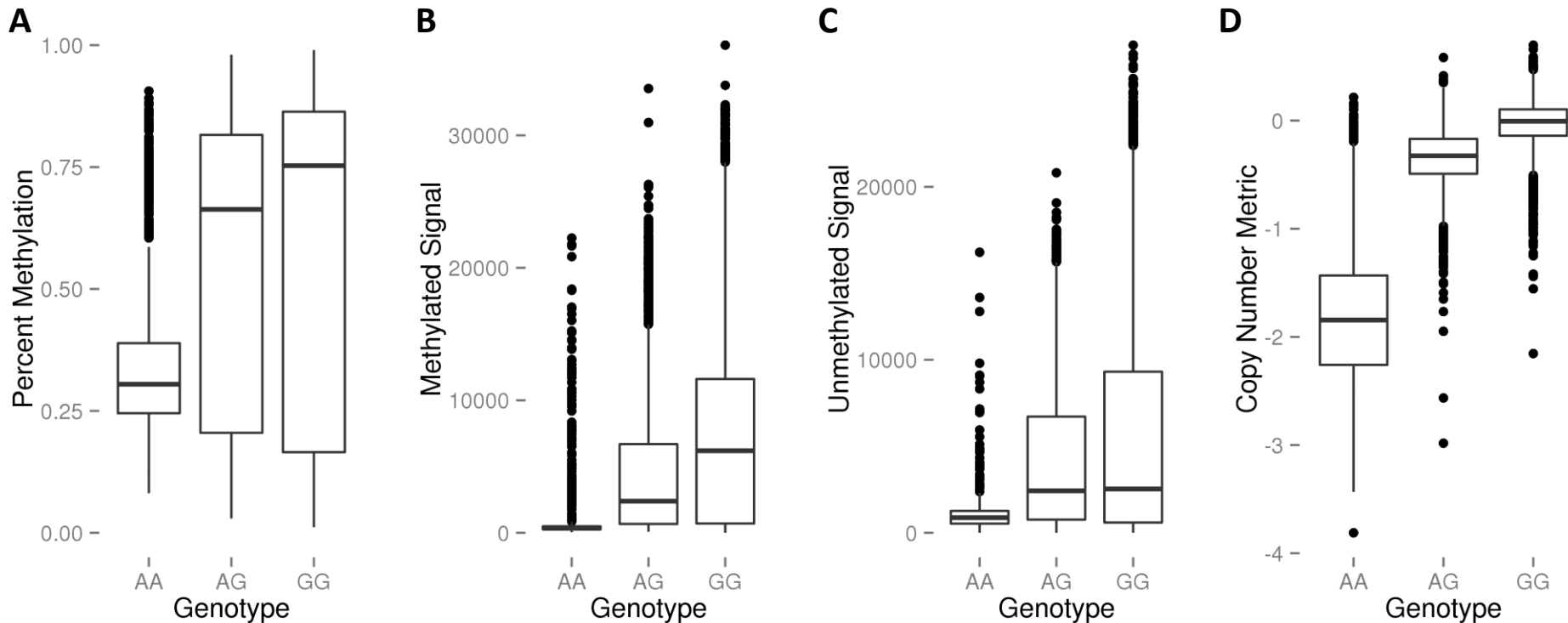
Figure S21: The effect of a A/G SNP at a positive strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 145 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
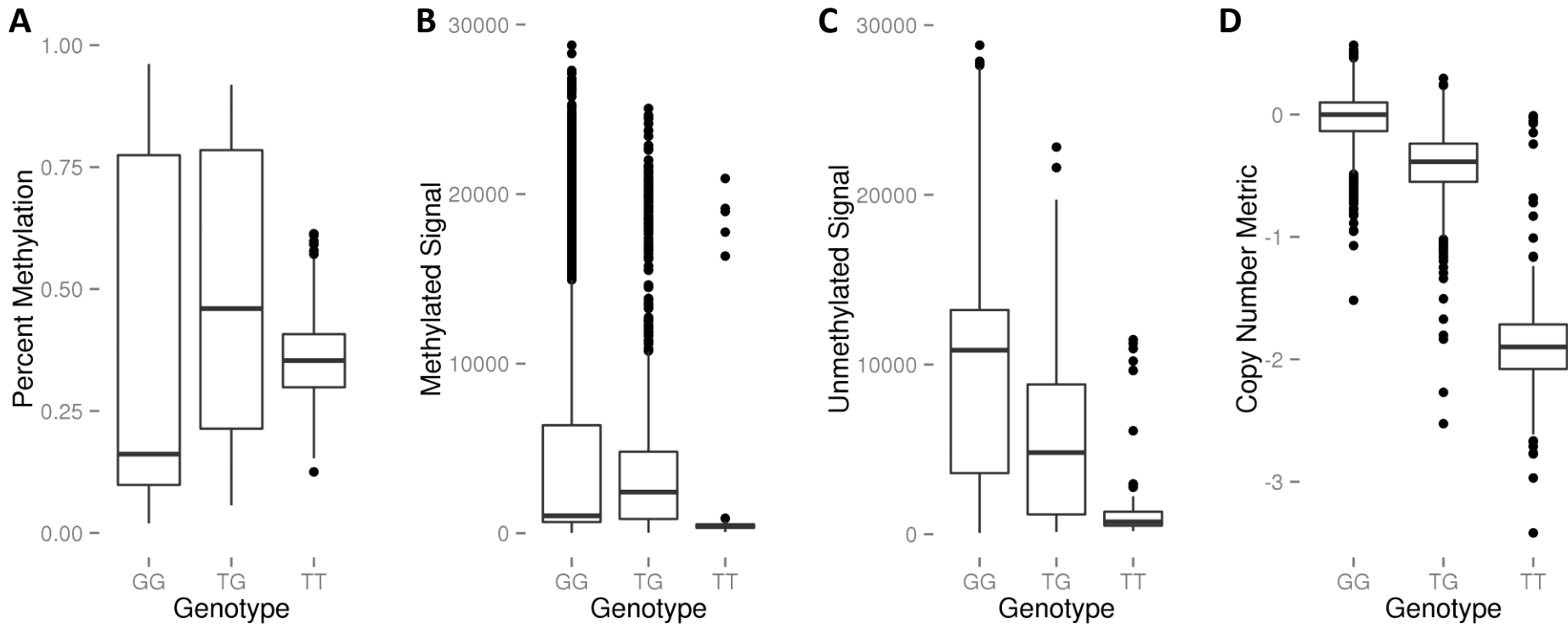
Figure S22: The effect of a T/G SNP at a positive strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 27 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
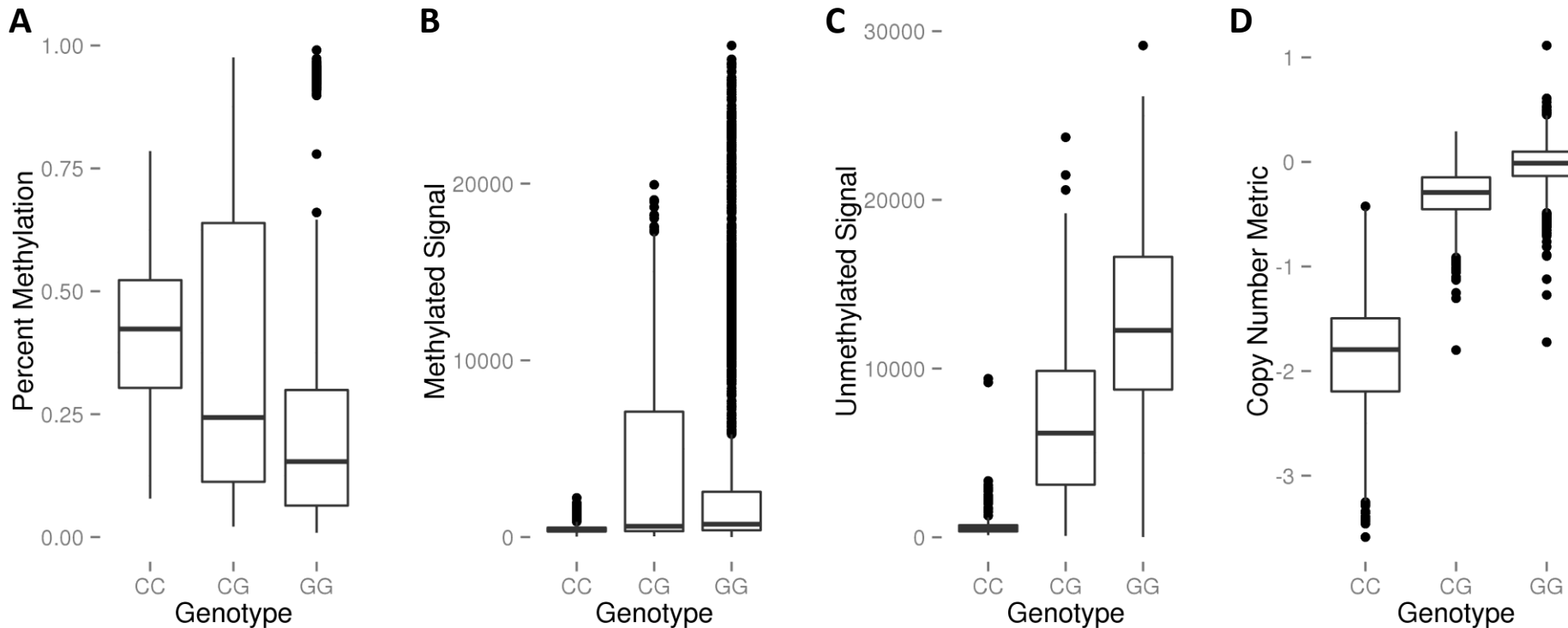
Figure S23: The effect of a C/G SNP at a negative strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 30 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
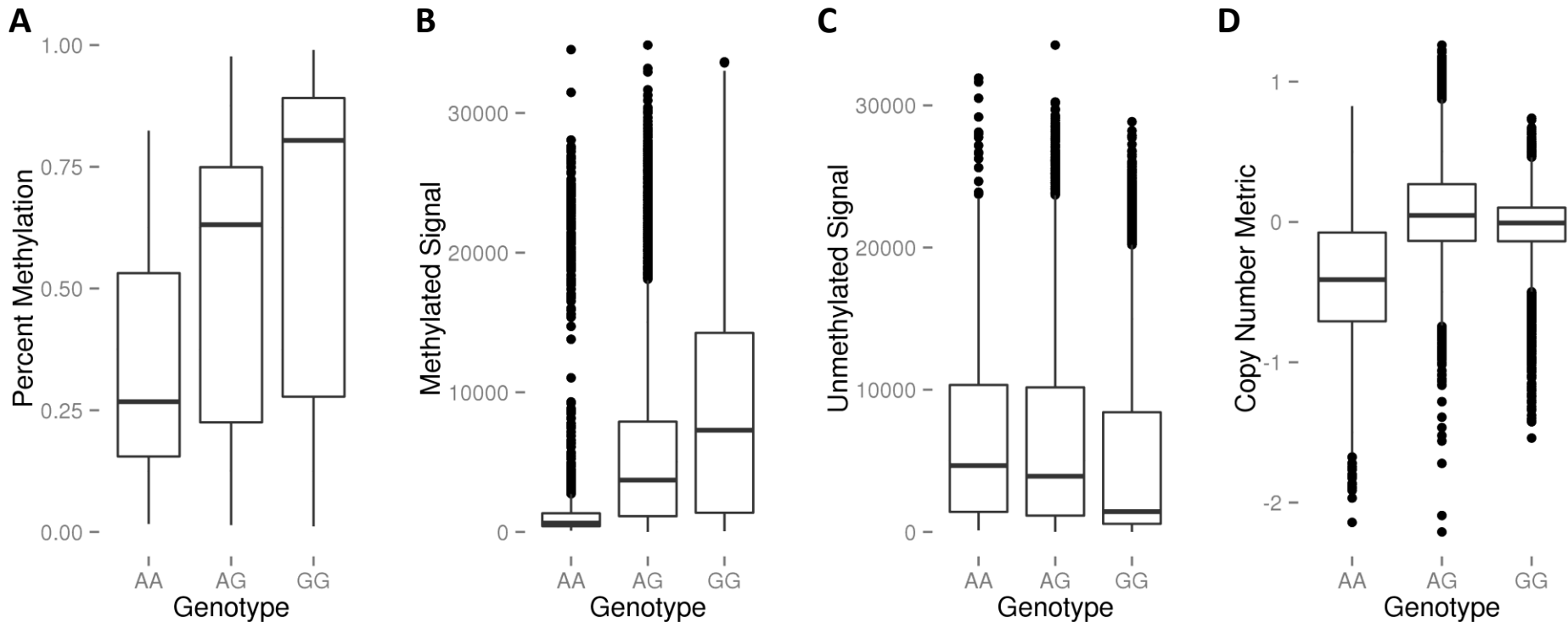
Figure S24: The effect of a A/G SNP at a negative strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 180 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.
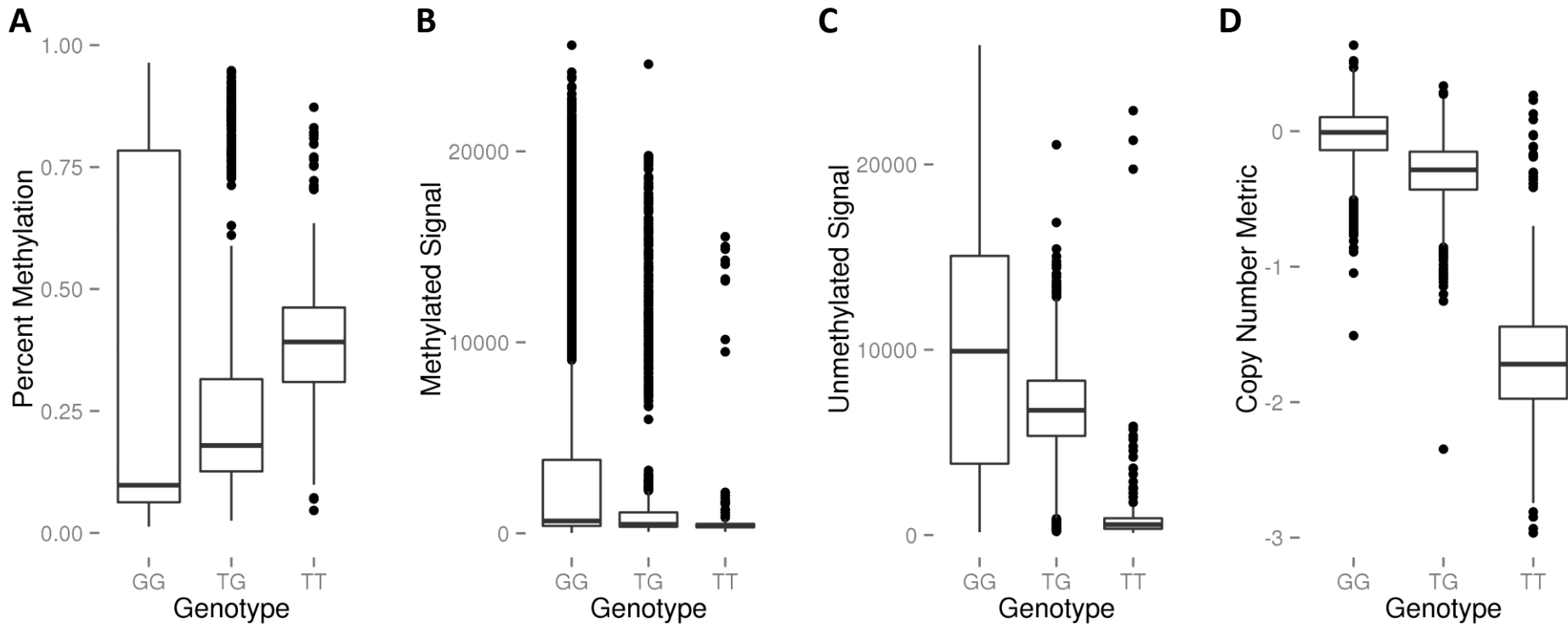
Figure S25: The effect of a T/G SNP at a negative strand G site of Type I 450k probes on percent methylation, methylated signal, unmethylated signal, and a copy number metric. 34 probes in SEED were classified in this specific scenario. **Panel A**: Percent methylation (beta value) vs. genotype. **Panel B**: Methylated signal vs genotype. **Panel C**: Unmethylated signal vs genotype. **Panel D**: Copy number metric (see Methods for calculation) vs. genotype.