

**Supplemental Information for:**

**Genomic Variants Associated with Resistance to High Fat Diet Induced Obesity  
in a Primate Model**

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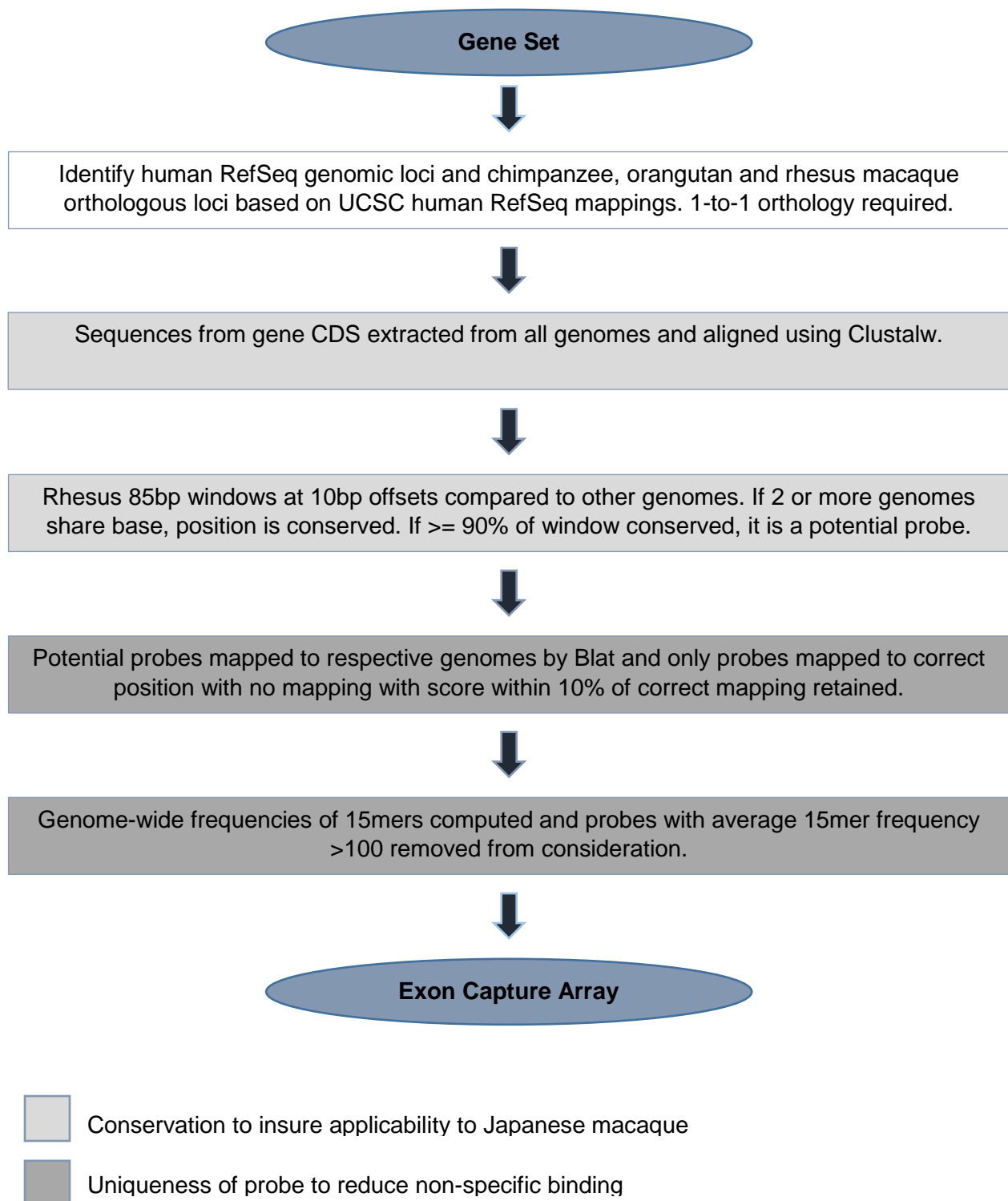
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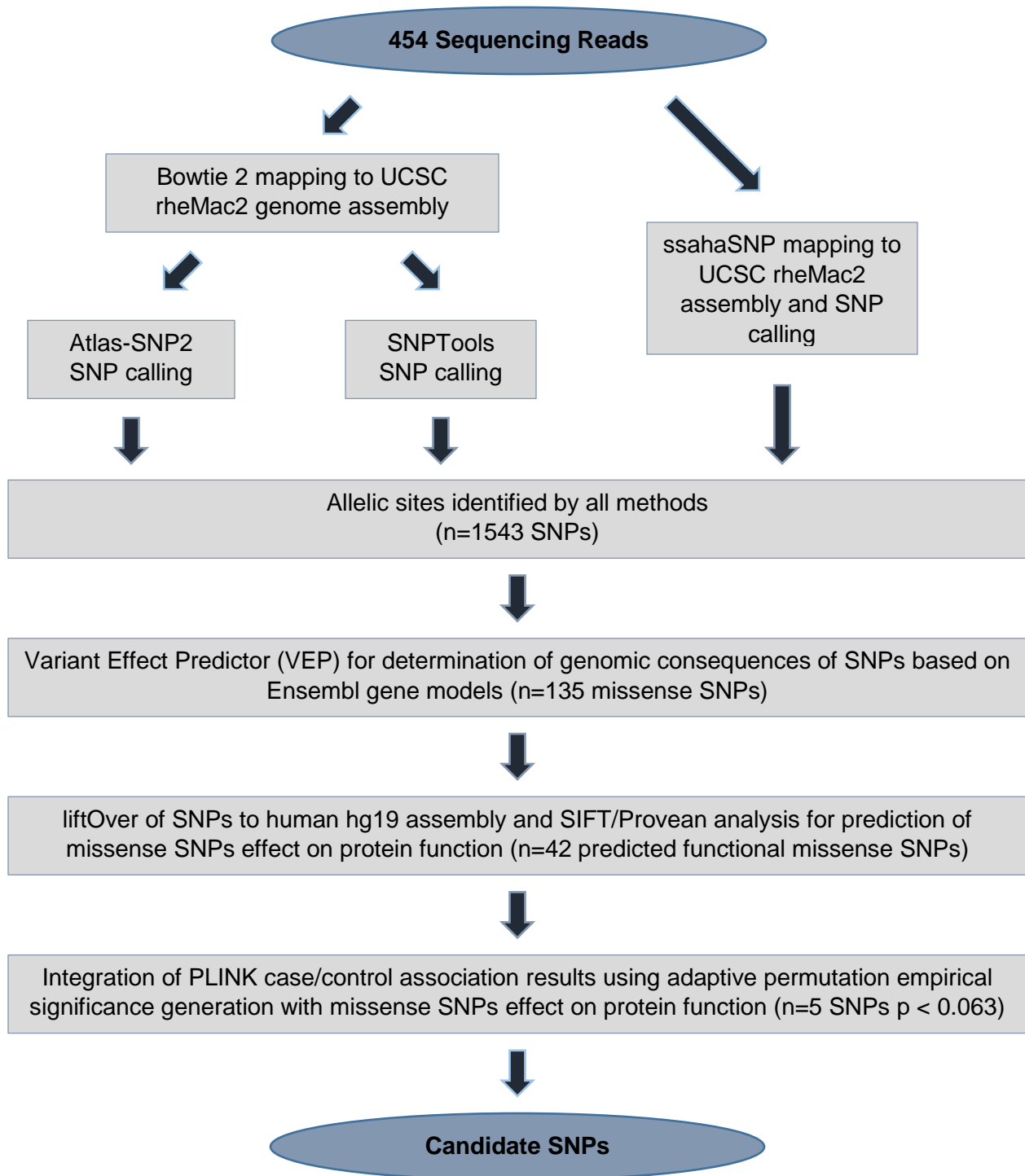
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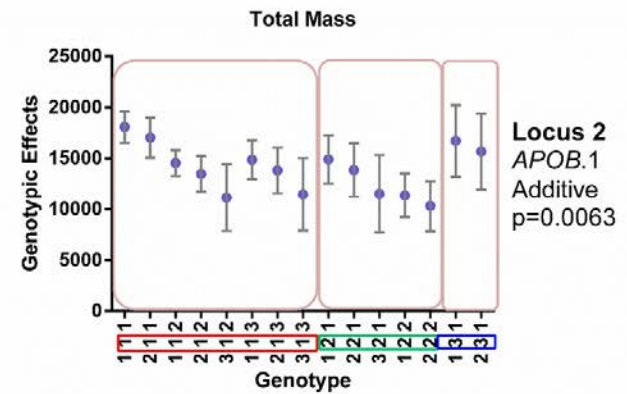
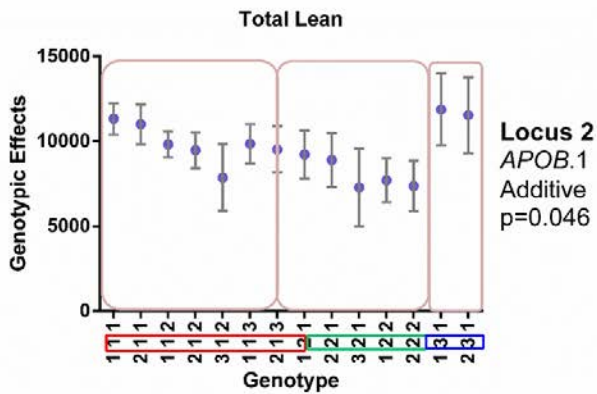
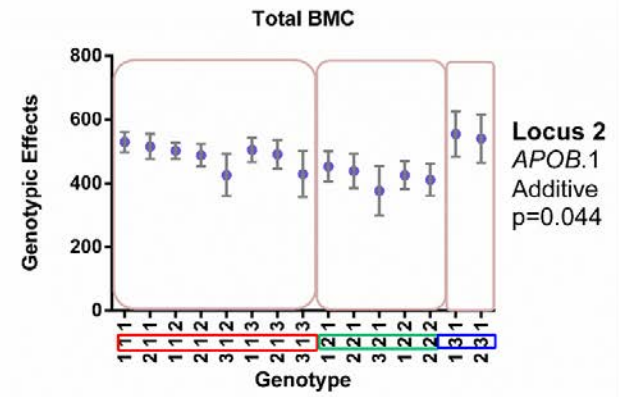
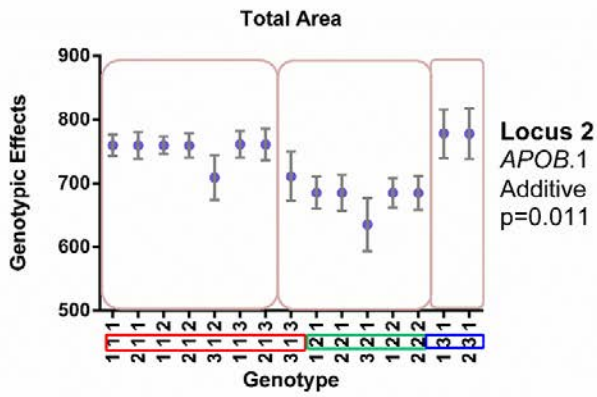
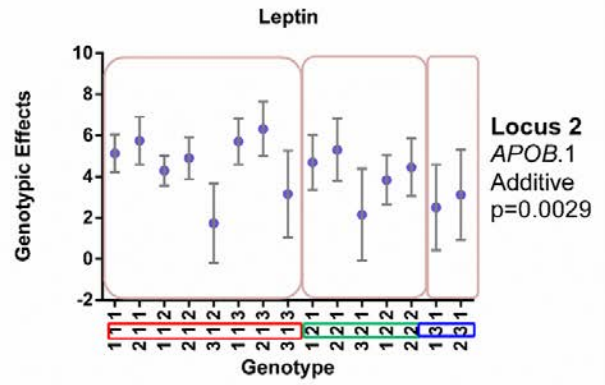
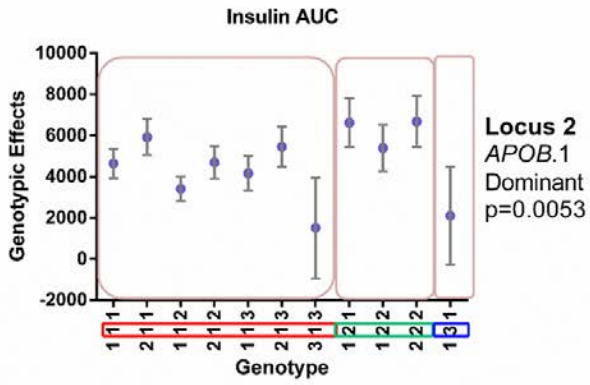
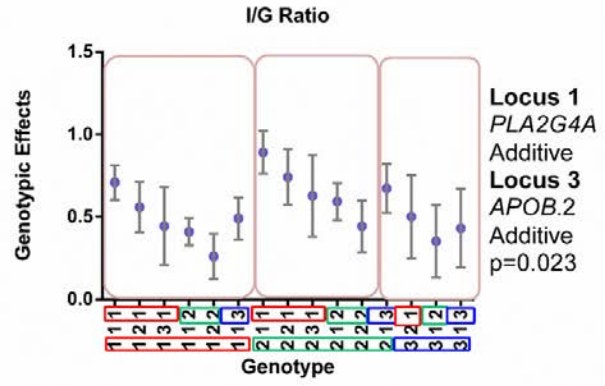
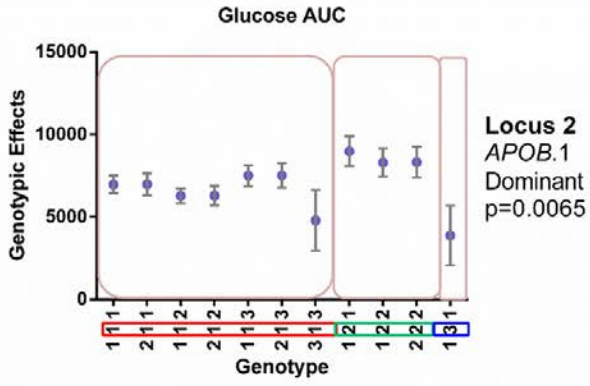
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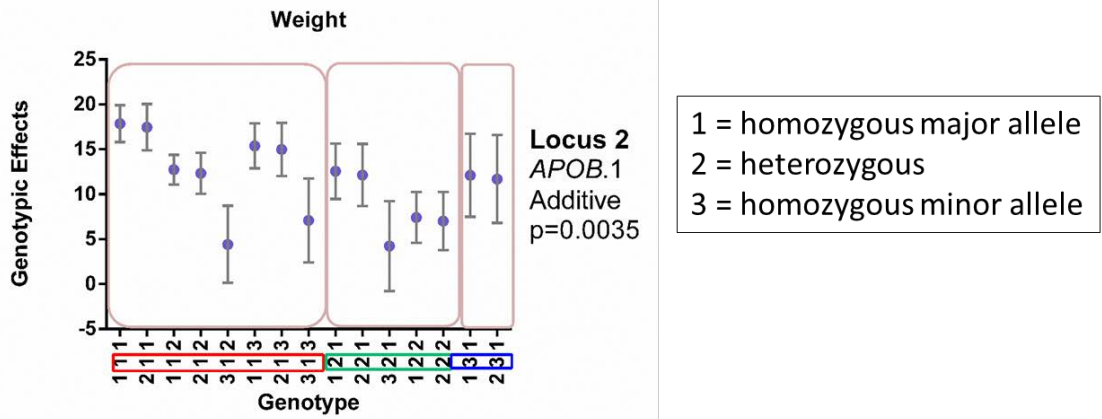


**Supplemental Figure 1.** Exon capture array design.



**Supplemental Figure 2.** SNP Calling





**Supplemental Figure 3.** Significant ( $p < 0.05$ ) genotype-phenotype NOIA three loci models based on genotypes for the extended panel of high fat diet exposed Japanese macaques. The Genotype axis shows the genotypes (1 = homozygous most frequent allele, 2 = heterozygous, 3 = homozygous least frequent allele) for each of the loci (ordered as *PLA2G4A*, *APOB.1*, *APOB.2*) and the Genotypic Effects axis shows the NOIA predicted effect of the genotype on a phenotype.