

Figure S1. Manhattan plot for five SFAs (C14:0, C16:0, C17:0, C18:0, and C20:0). The x-axis represents the chromosomes, and y-axis represents the $-\log_{10}(p_value)$. The green line is genome-wide level threshold, the green dashed line is chromosome-level threshold.

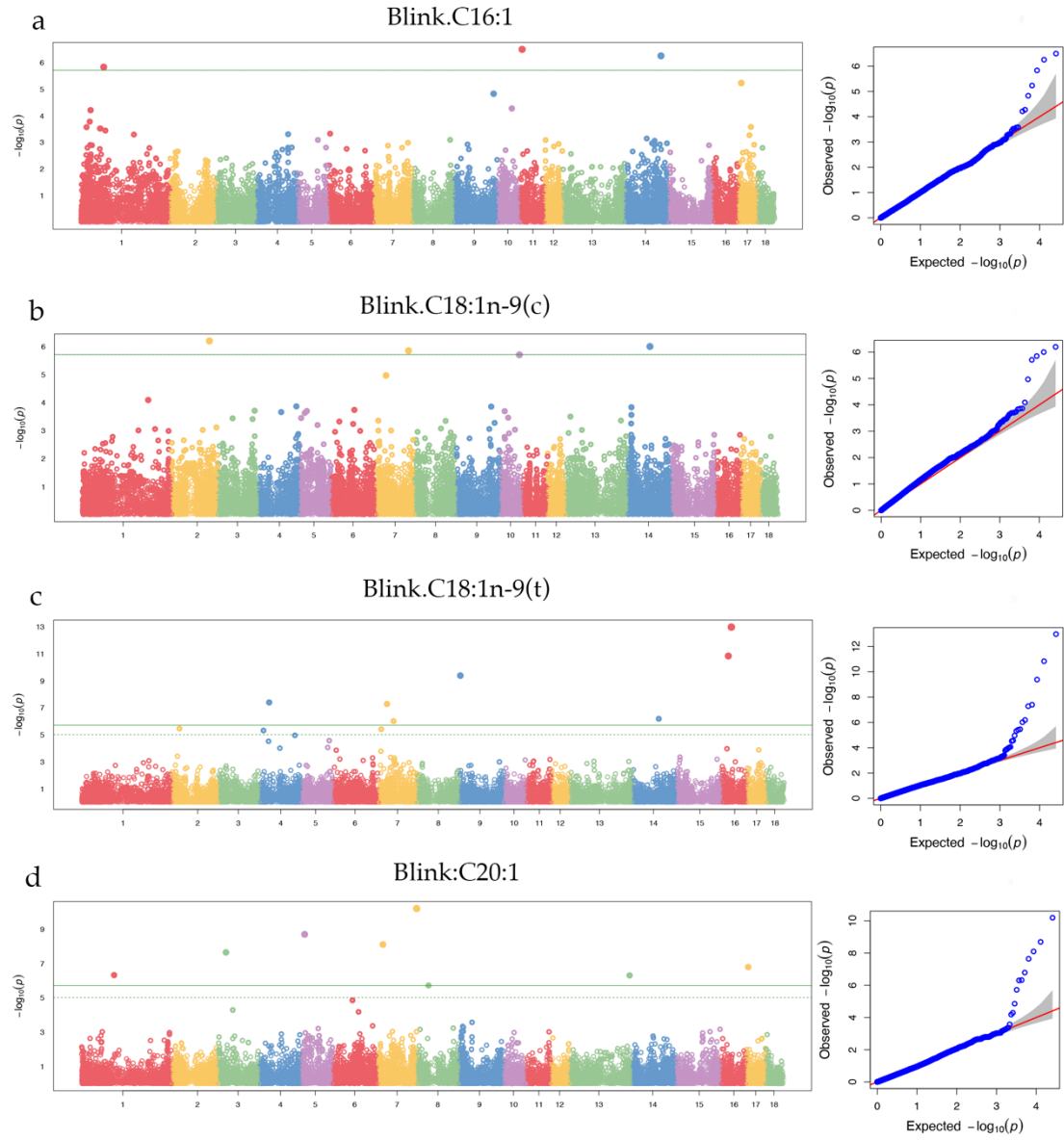


Figure S2. Manhattan plot for four MUFAs (C16:1, C18:1n-9(c), C18:1n-9(t), and C20:1). The x-axis represents the chromosomes, and y-axis represents the $-\log_{10}(p_value)$. The green line is genome-wide level threshold, the green dashed line is chromosome-level threshold.

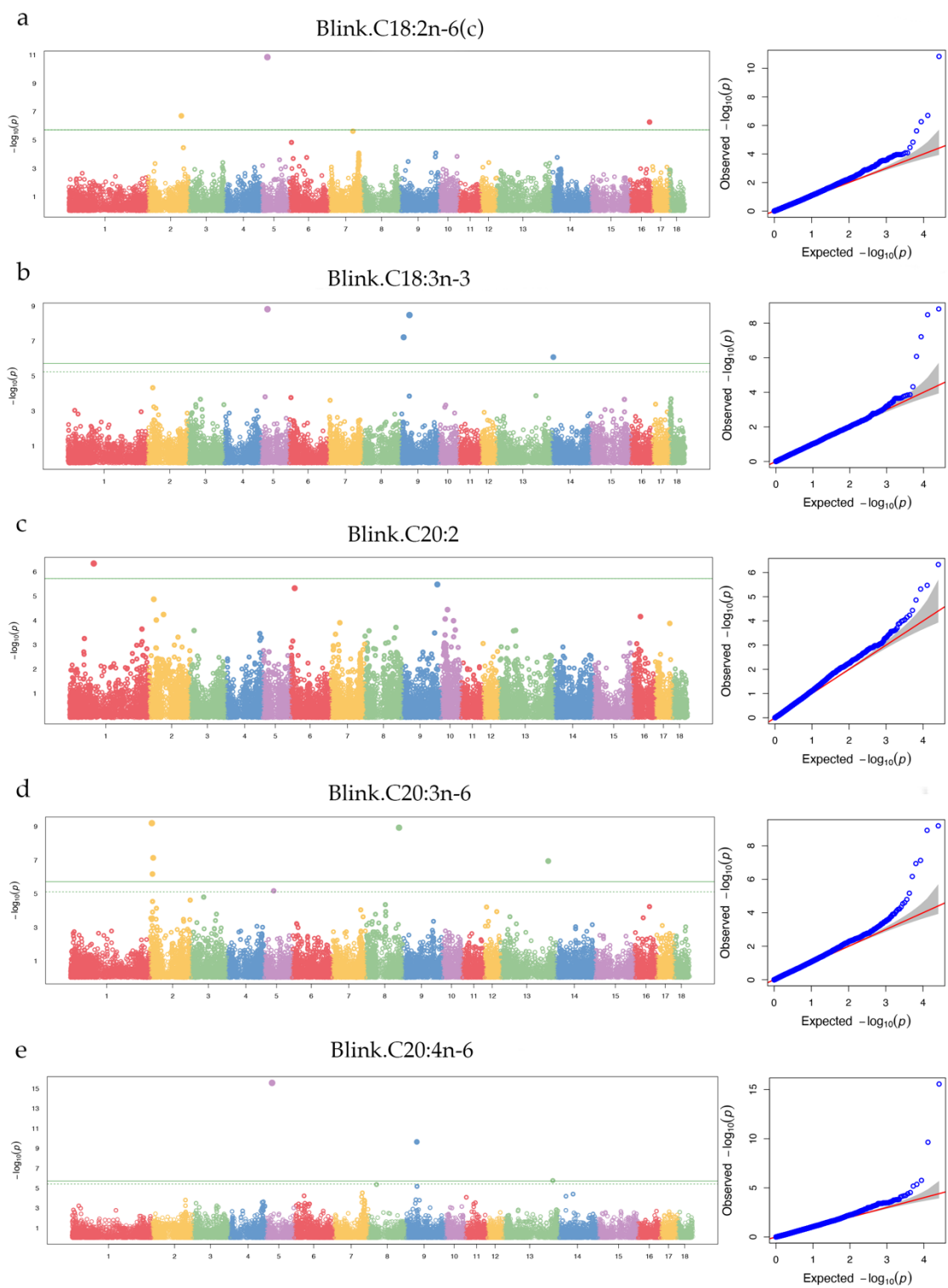


Figure S3. Manhattan plot for five PUFAs (C18:2n-6(c), C18:3n-3, C20:2, C20:3n-6, and C20:4n-6). The x-axis represents the chromosomes, and y-axis represents the $-\log_{10}(p_{\text{value}})$. The green line is genome-wide level threshold, the green dashed line is chromosome-level threshold.