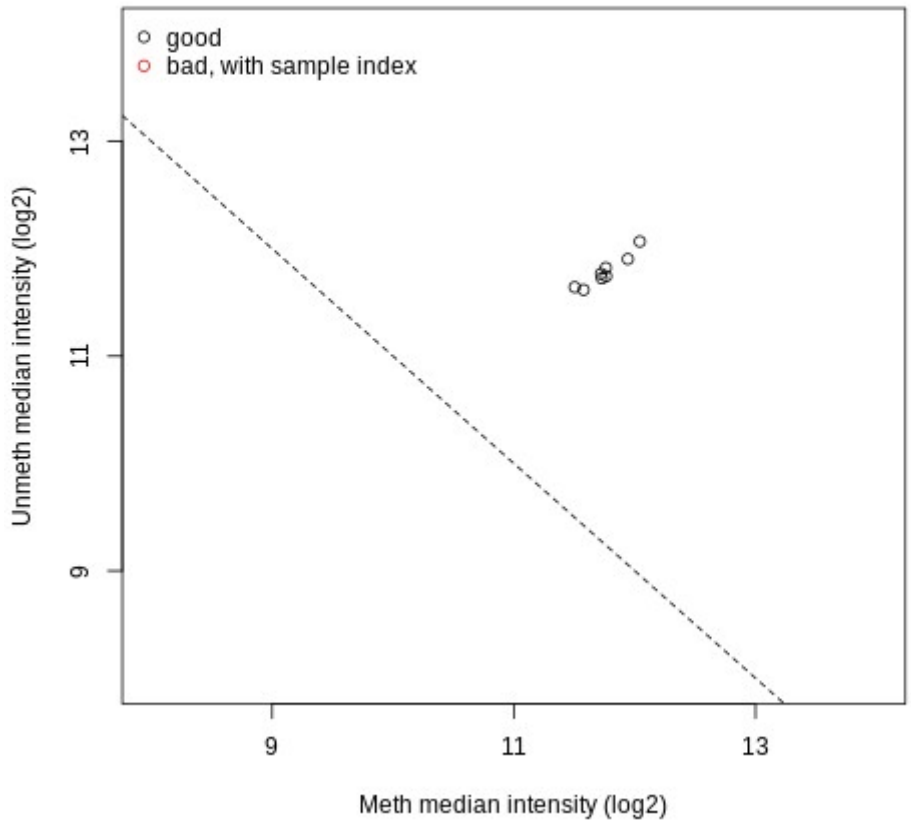
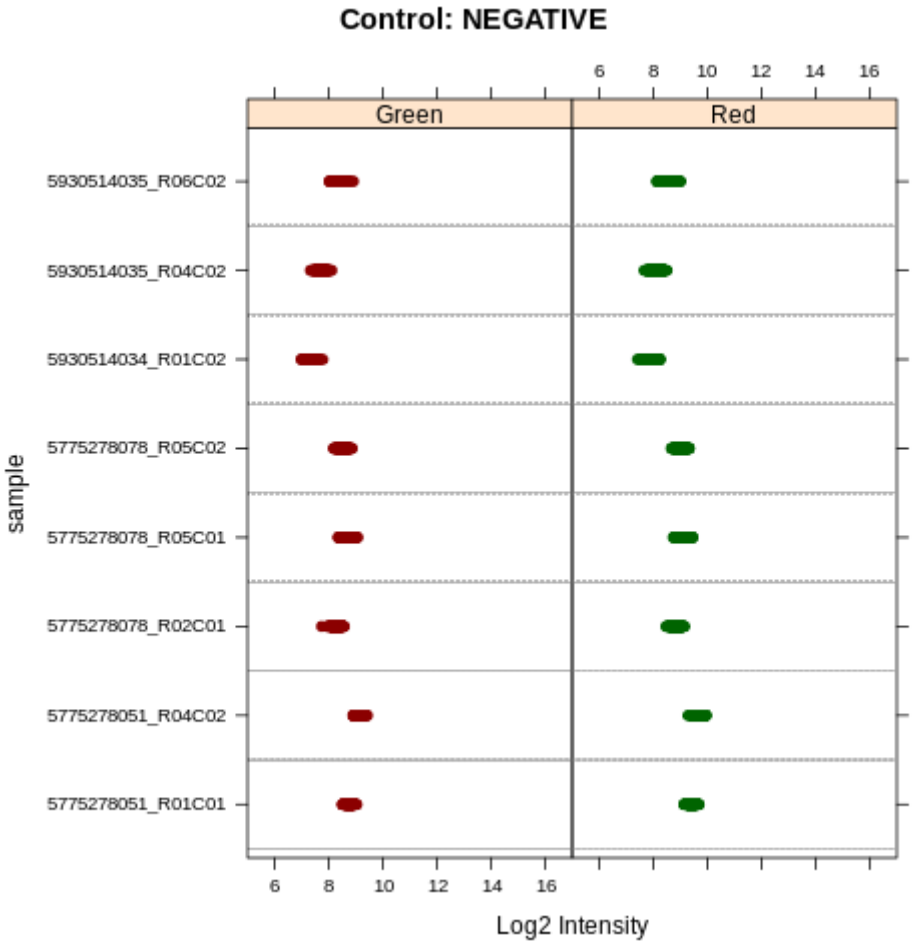
STEP 3 TABLE

Sample	Red fluorescence	Green fluorescence	Type	Color
5775278051_R01C01	2732	6156	II	
5775278051_R04C02	3216	8137	II	
5775278078_R02C01	1099	2897	II	
5775278078_R05C01	2273	5832	II	
5930514034_R01C02	2167	5868	II	
5930514034_R01C02	2563	4504	II	
5930514035_R04C02	2398	5817	II	
5930514035_R06C02	2177	6466	II	

STEP 4 QC PLOT



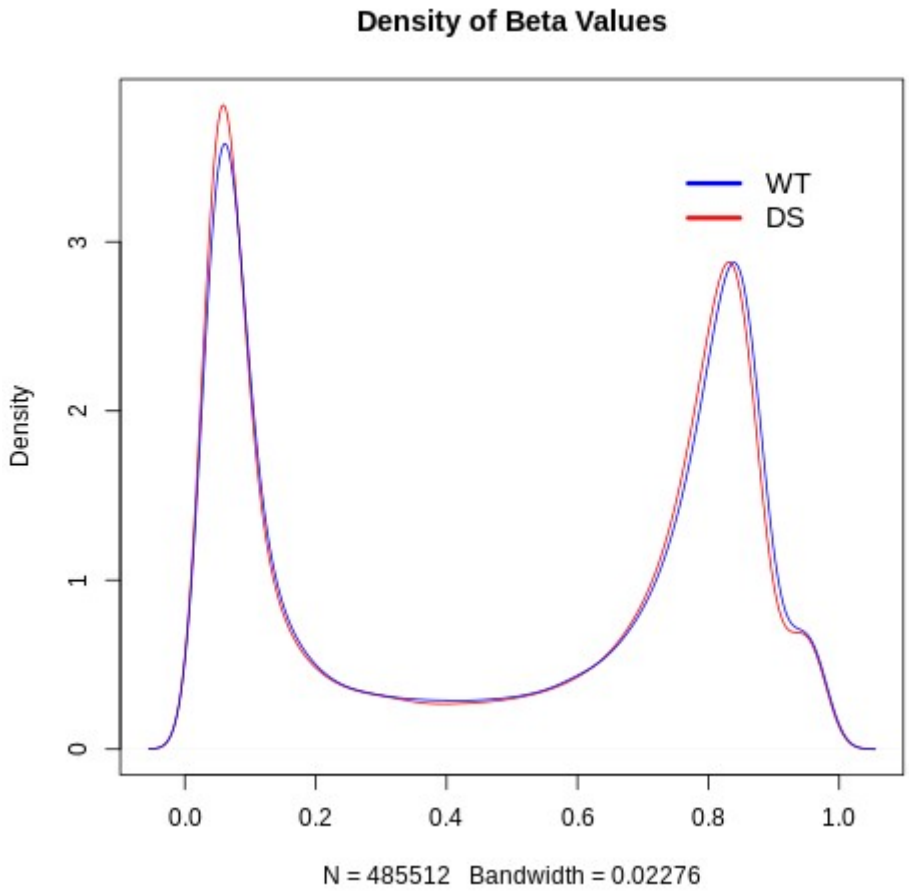
STEP 5 INTENSITIES PLOT

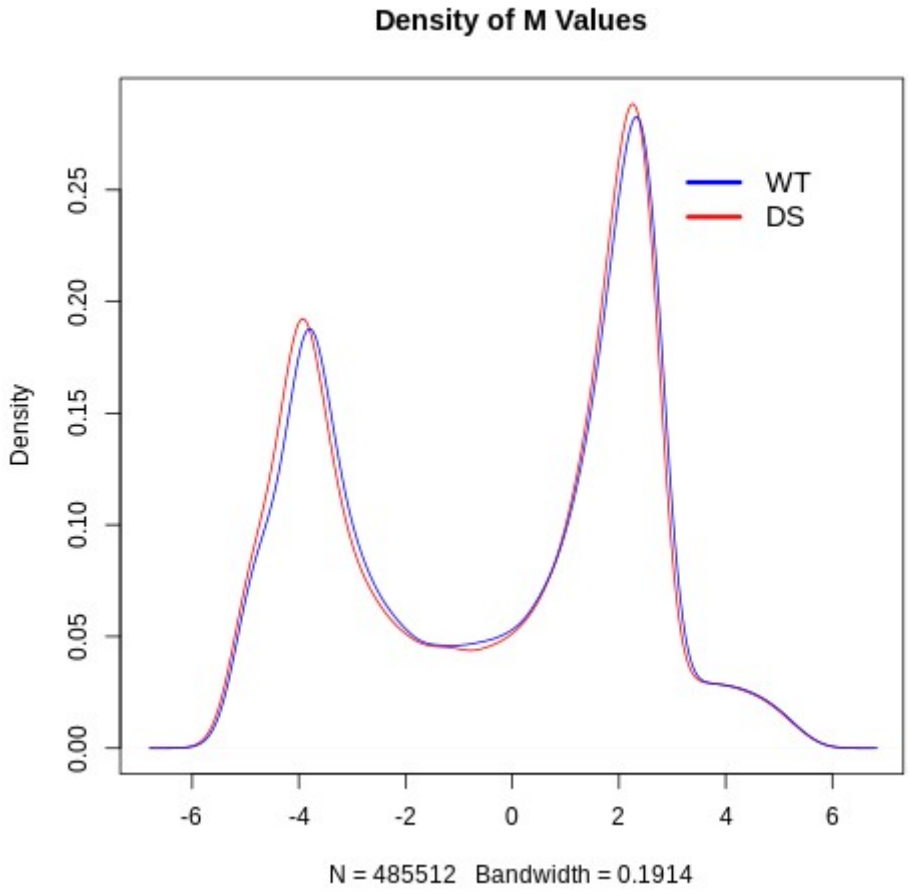


STEP 5 FAILED POSITIONS BASED ON p-VALUES

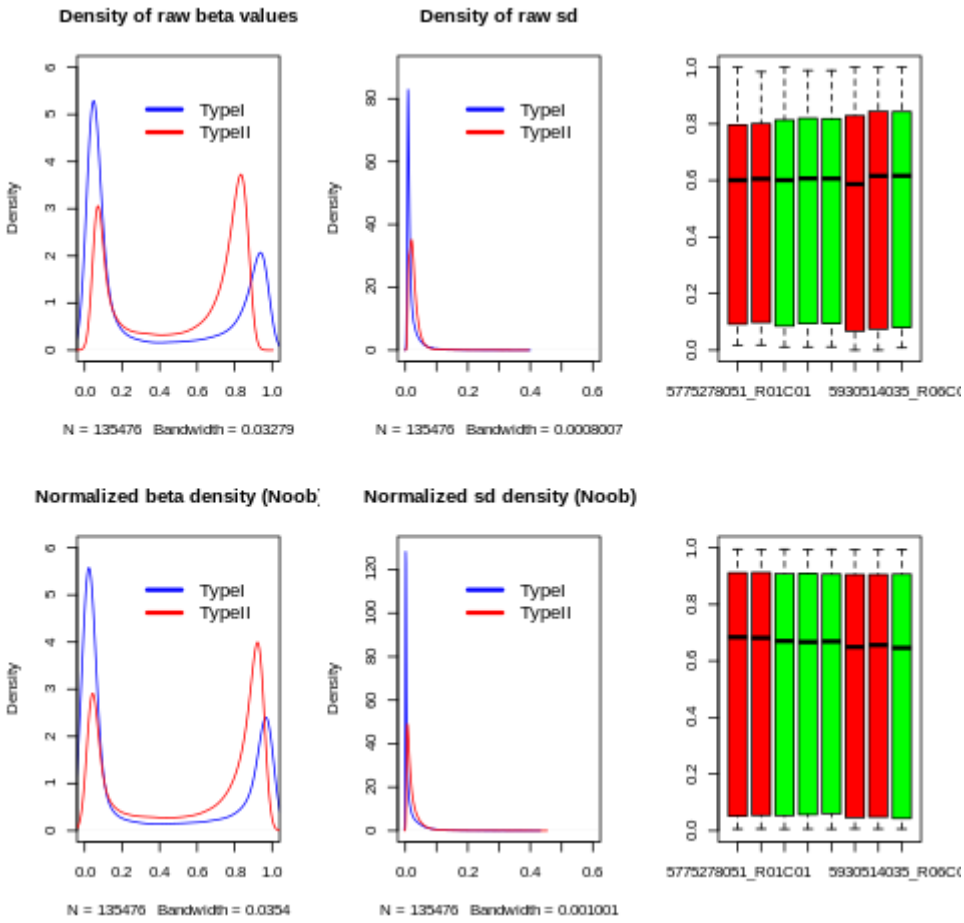
Samples	Failed positions
5775278051_R01C01	323
5775278051_R04C02	260
5775278078_R02C01	312
5775278078_R05C01	485
5775278078_R05C02	465
5930514034_R01C02	123
5930514035_R04C02	60
5930514035_R06C02	149

STEP 6 BETA AND M VALUES DISTRIBUTIONS



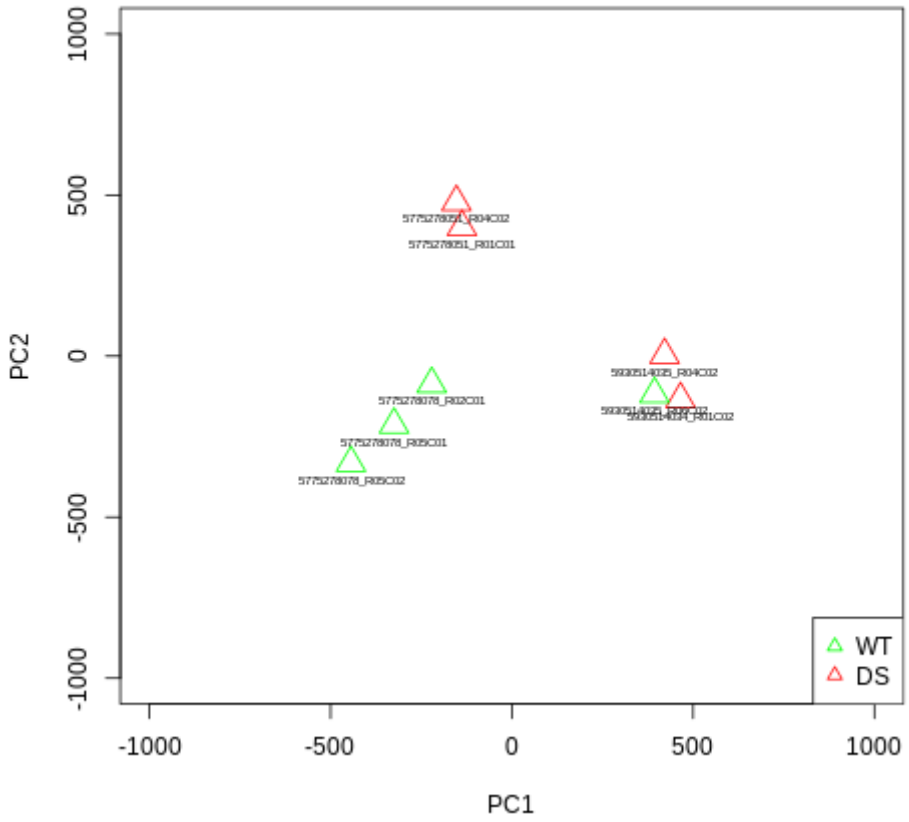


STEP 7

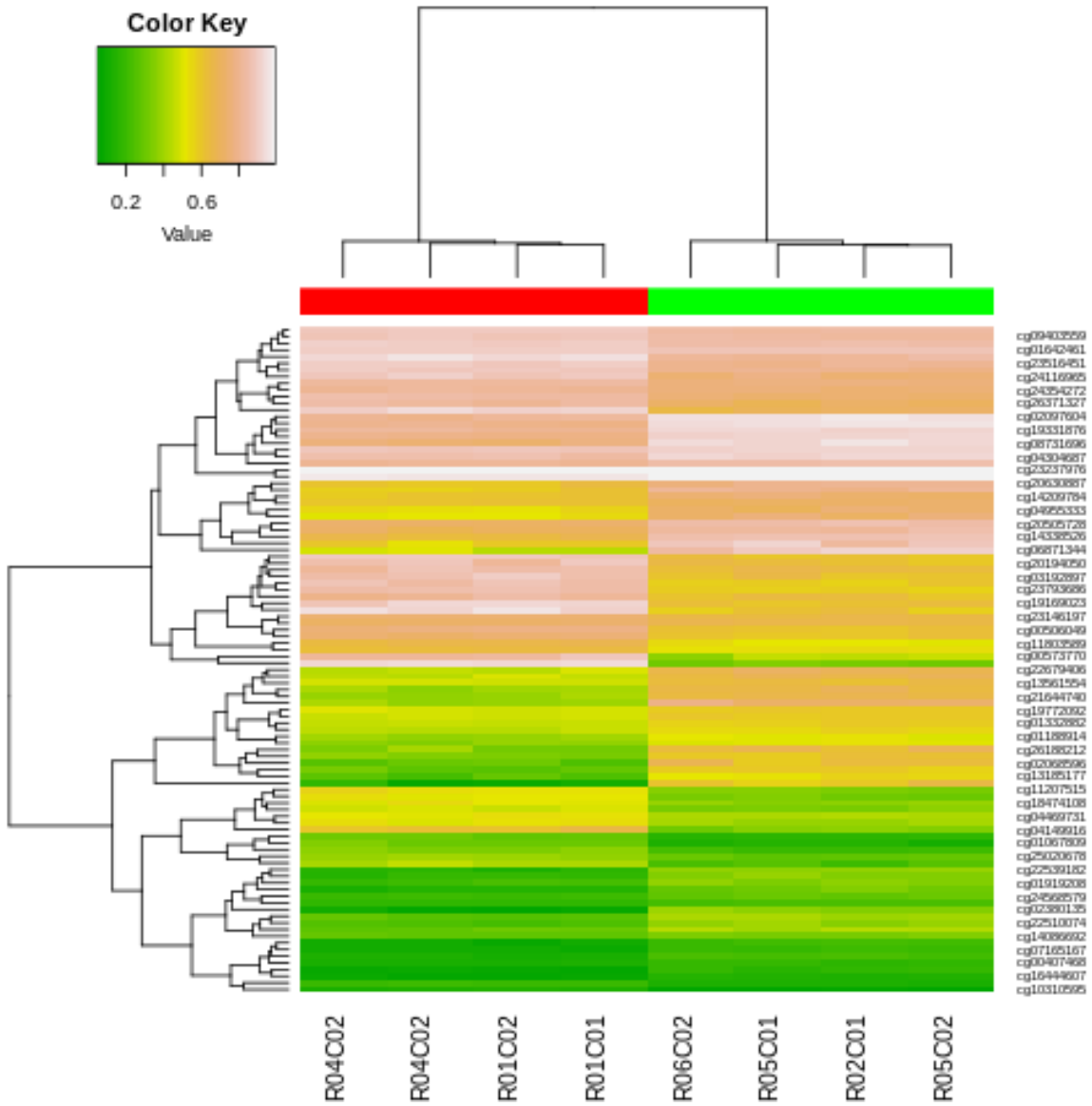


In the box-plots, the green boxes are samples of the WT groups while the red boxes are samples of the DS group.

STEP 8

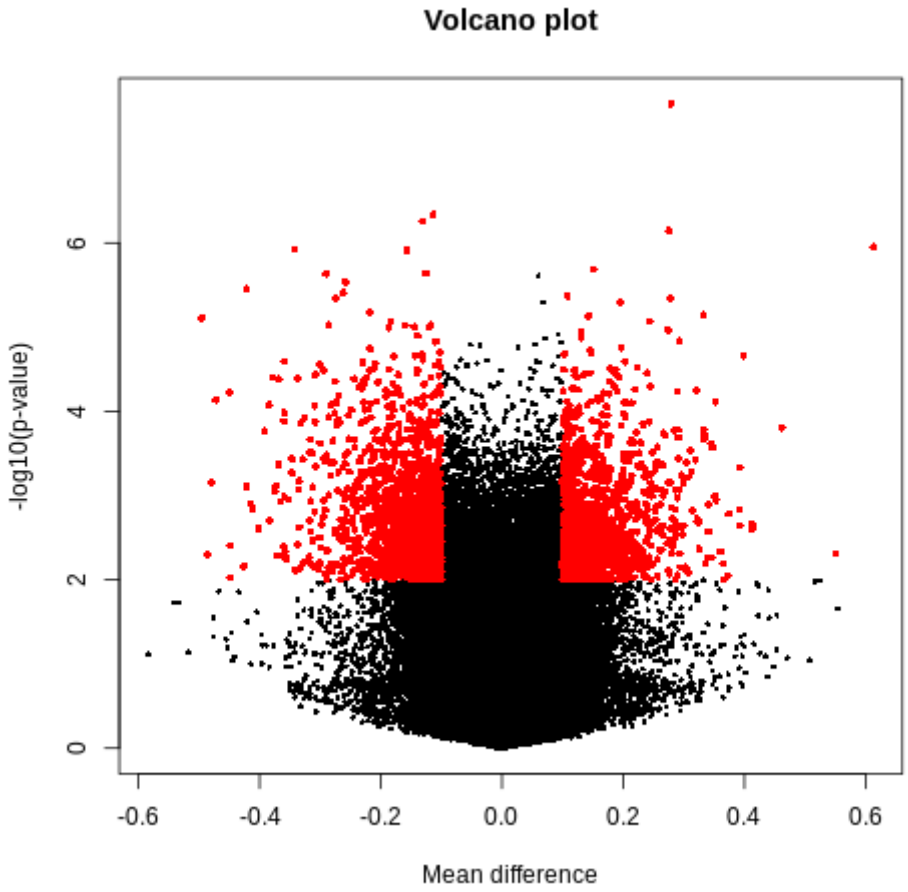


STEP 11

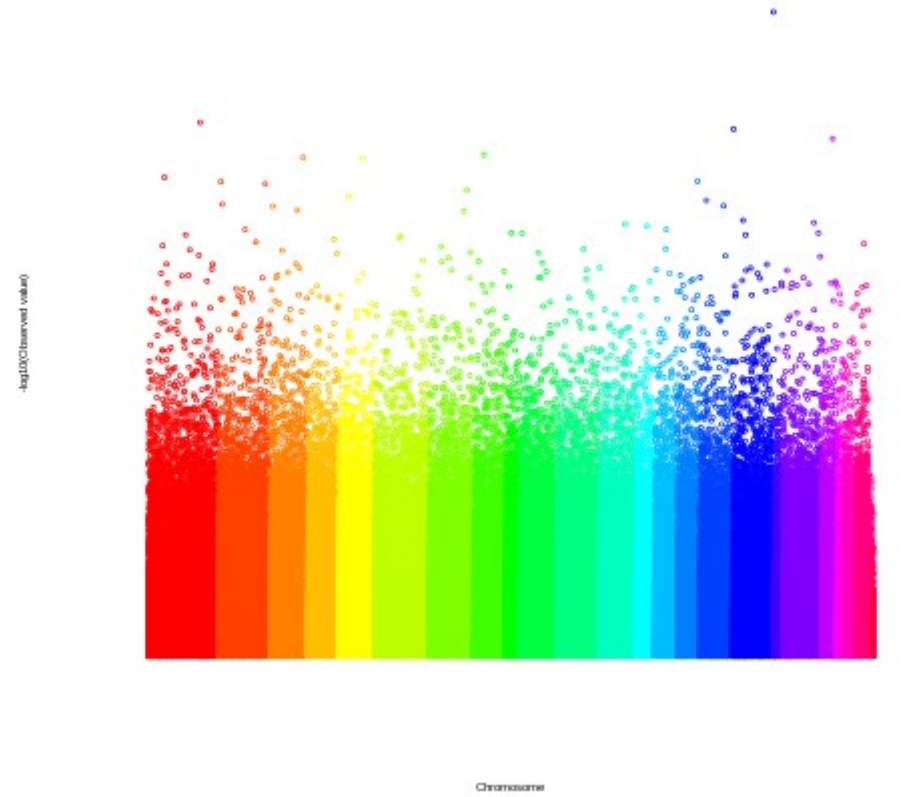


The red groups are the DS while the green groups are

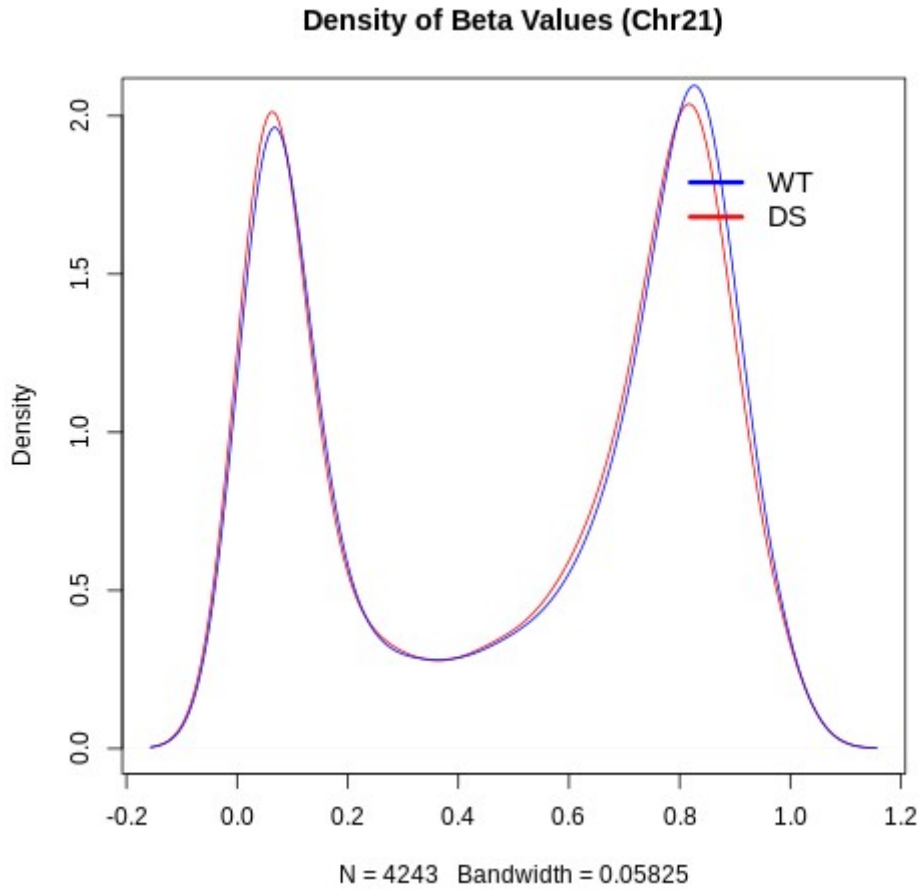
STEP 12 VOLCANO PLOT



STEP 12 MANHATTAN PLOT



OPTIONAL STEP BETA DENSITY



OPTIONAL STEP BETA DENSITY (NORMALIZED)