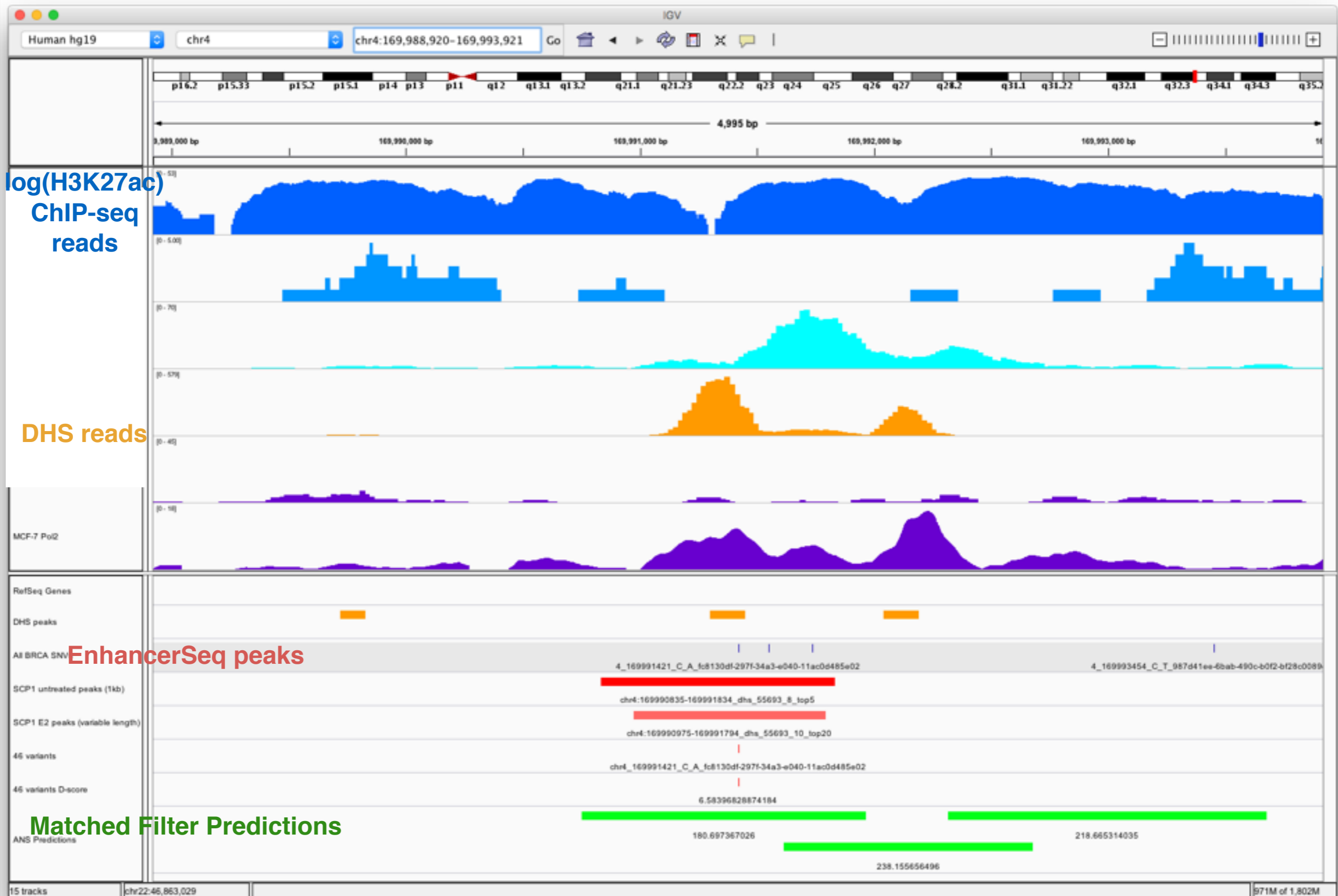


# Screenshots of Variants chosen

Anurag Sethi  
P3-VAR

# Region1



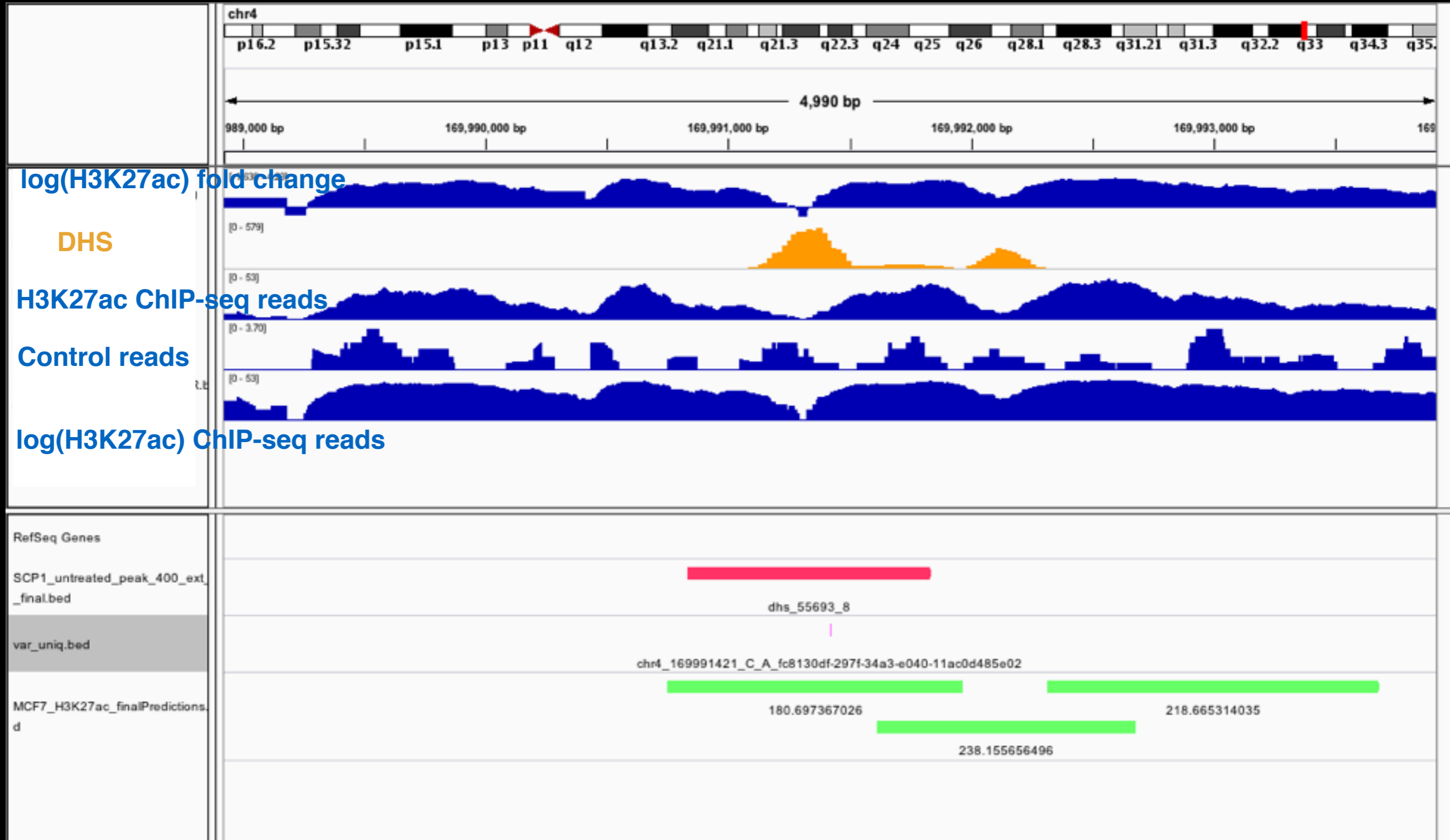
log(H3K27ac)  
CHIP-seq  
reads

DHS reads

EnhancerSeq peaks

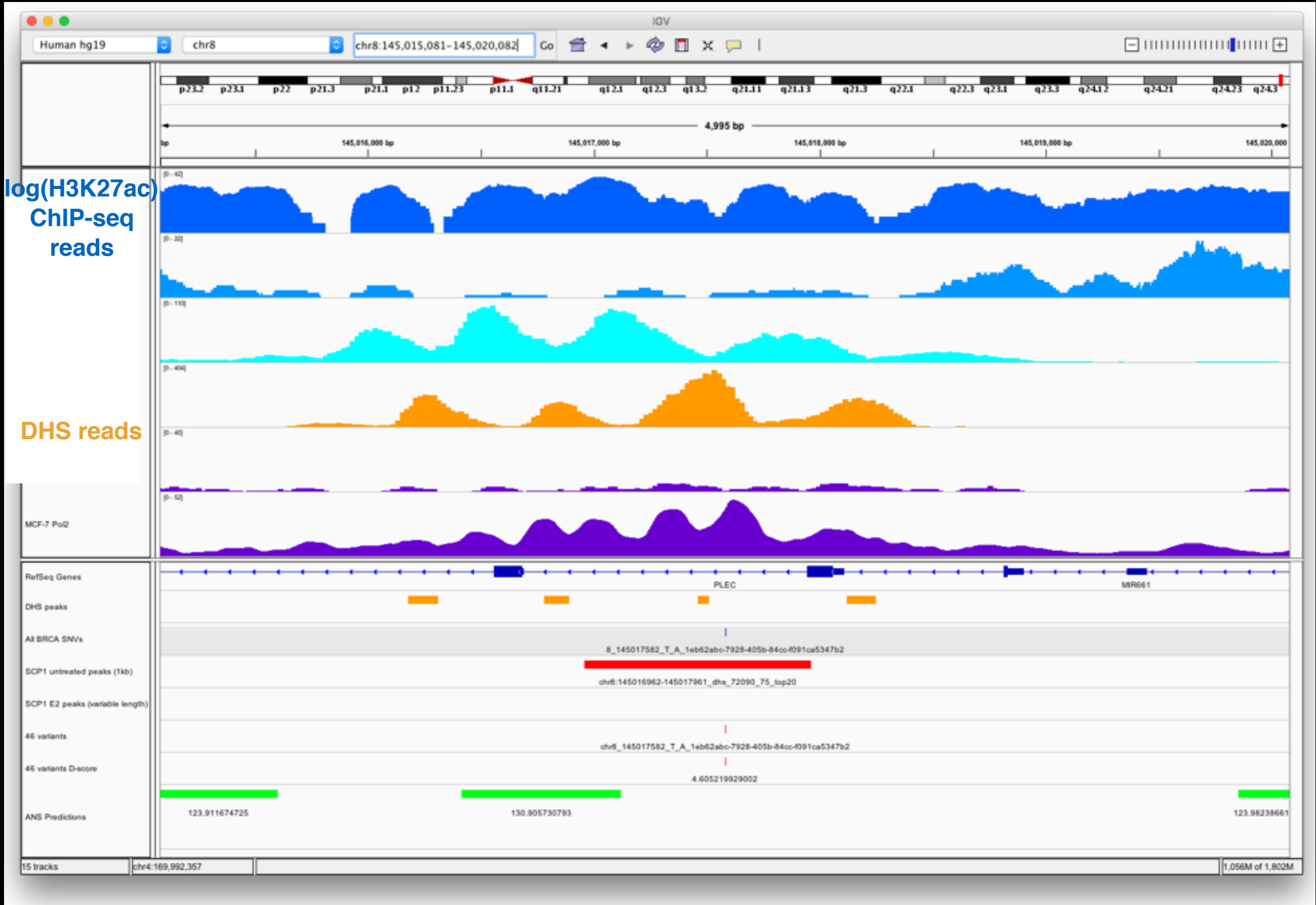
Matched Filter Predictions

# Same region1

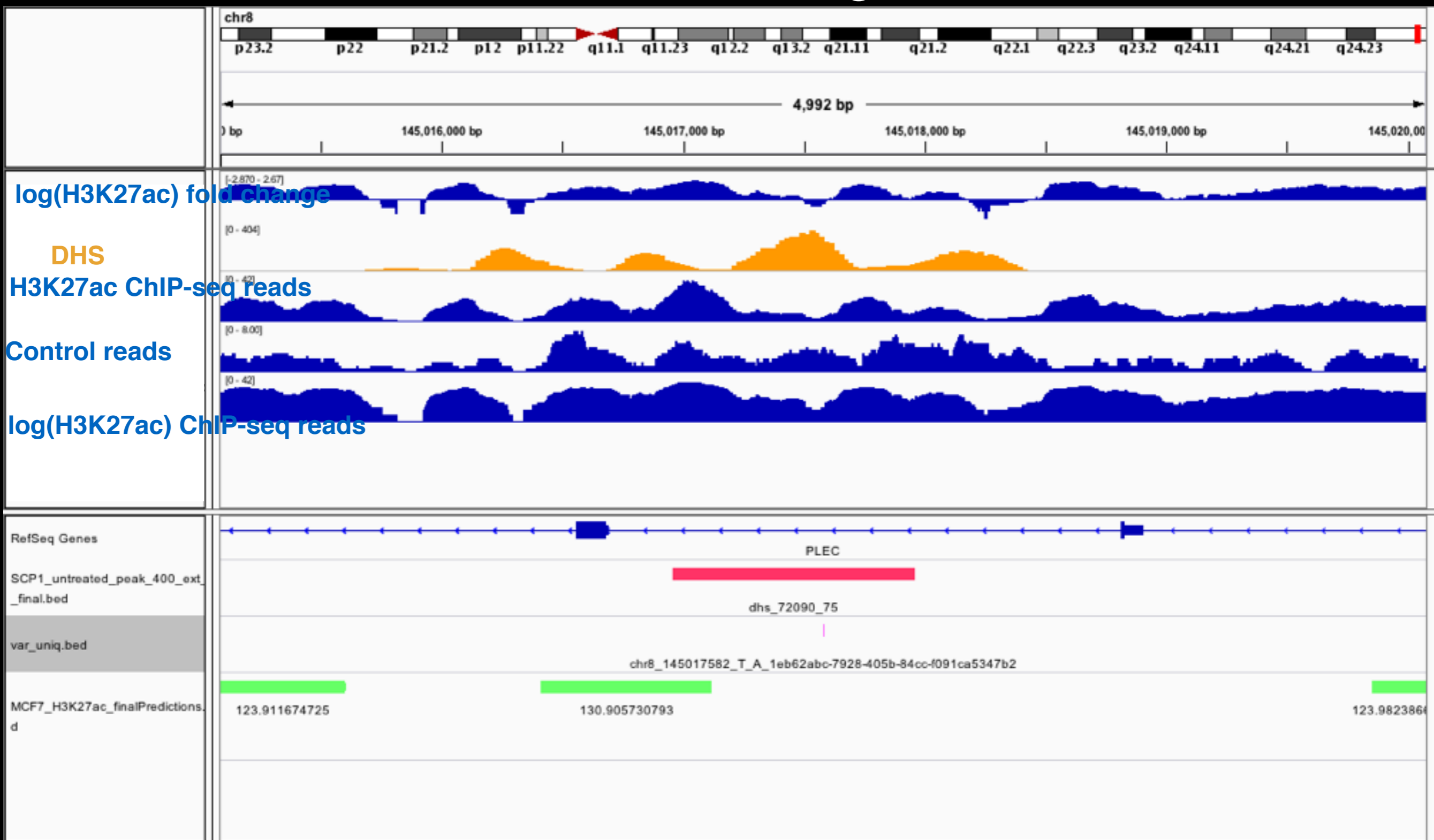


Good prediction and enhancer to test/vary.

# Region2

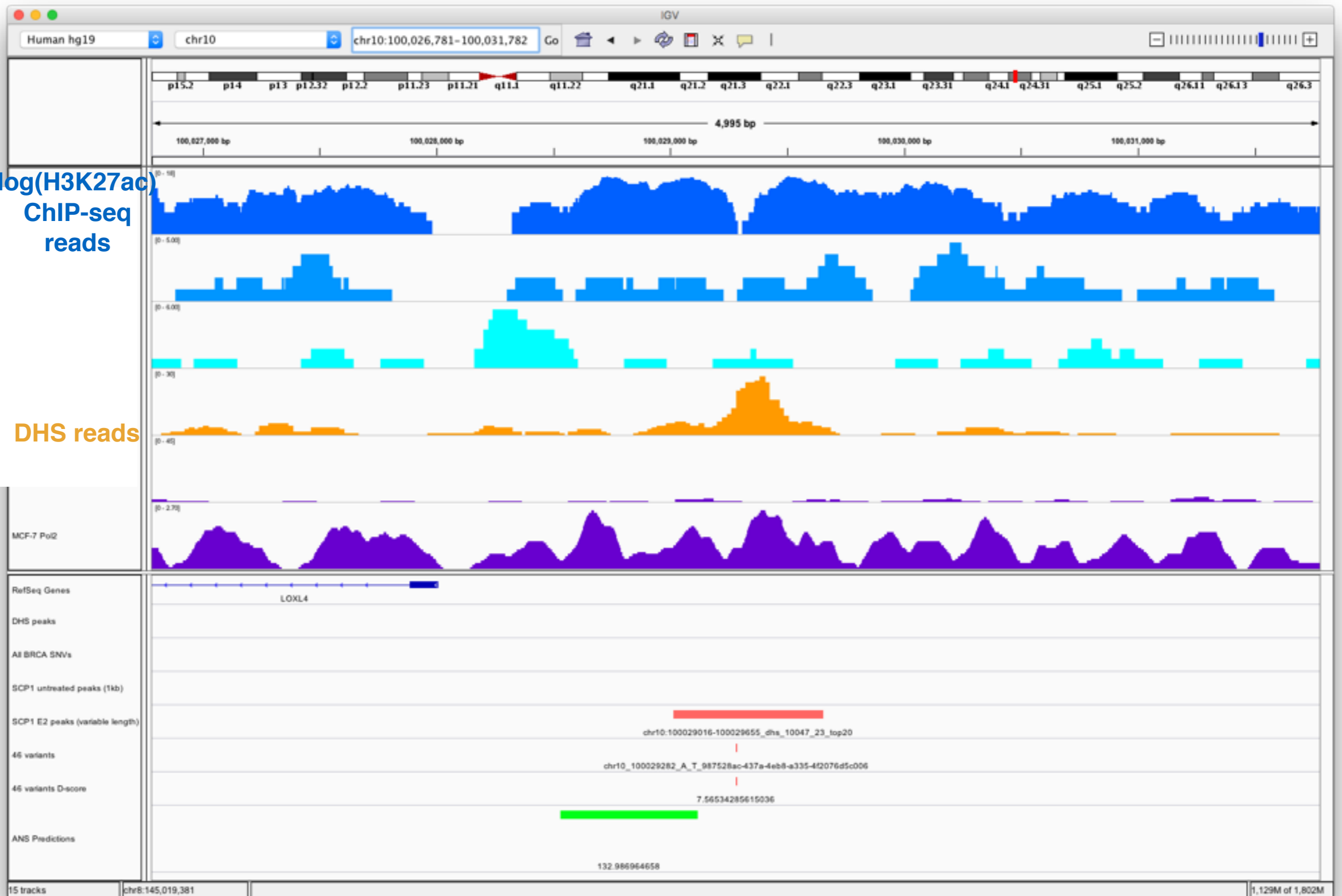


# Same region2



Prediction looks better on log(fold change) plot than EnhancerSeq peak - cannot change our prediction

# Region3



log(H3K27ac)  
CHIP-seq  
reads

DHS reads

MCF-7 Po2

RefSeq Genes

DHS peaks

All BRCA SNVs

SCP1 untreated peaks (1kb)

SCP1 E2 peaks (variable length)

45 variants

45 variants D-score

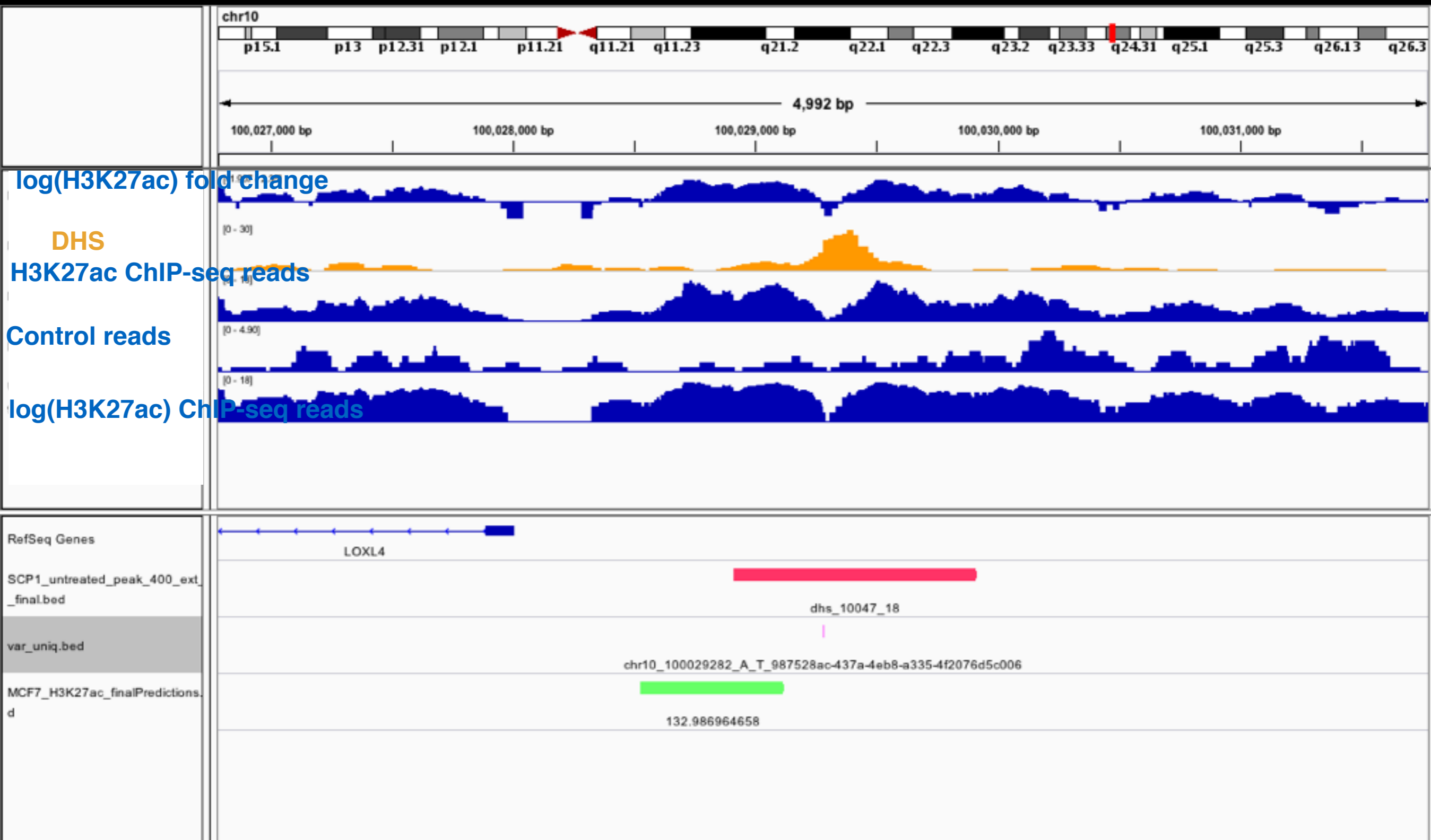
ANS Predictions

15 tracks

chr8:145,019,381

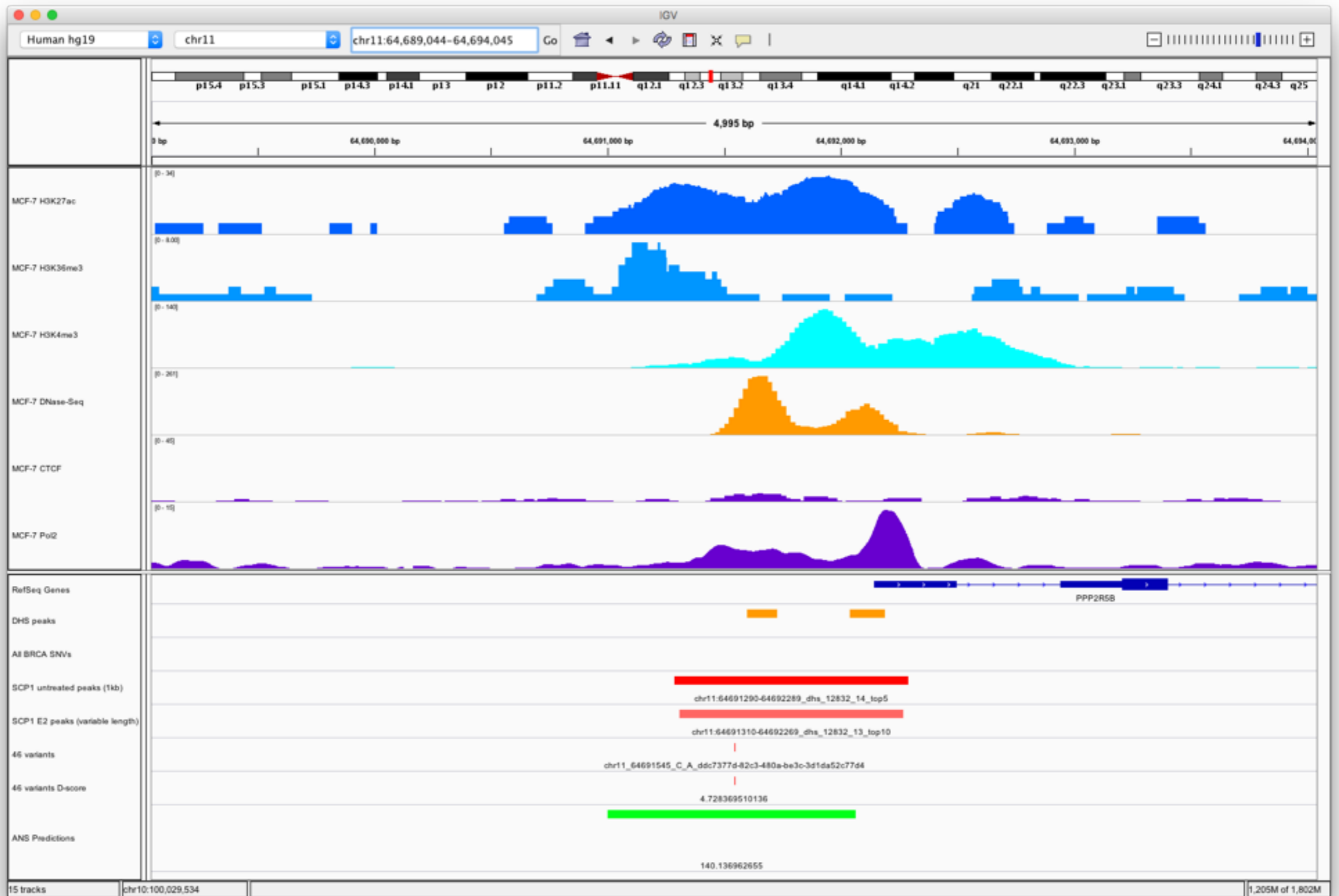
1,129M of 1,802M

# Same region



Most probably the EnhancerSeq peak fell below the MF score cutoff

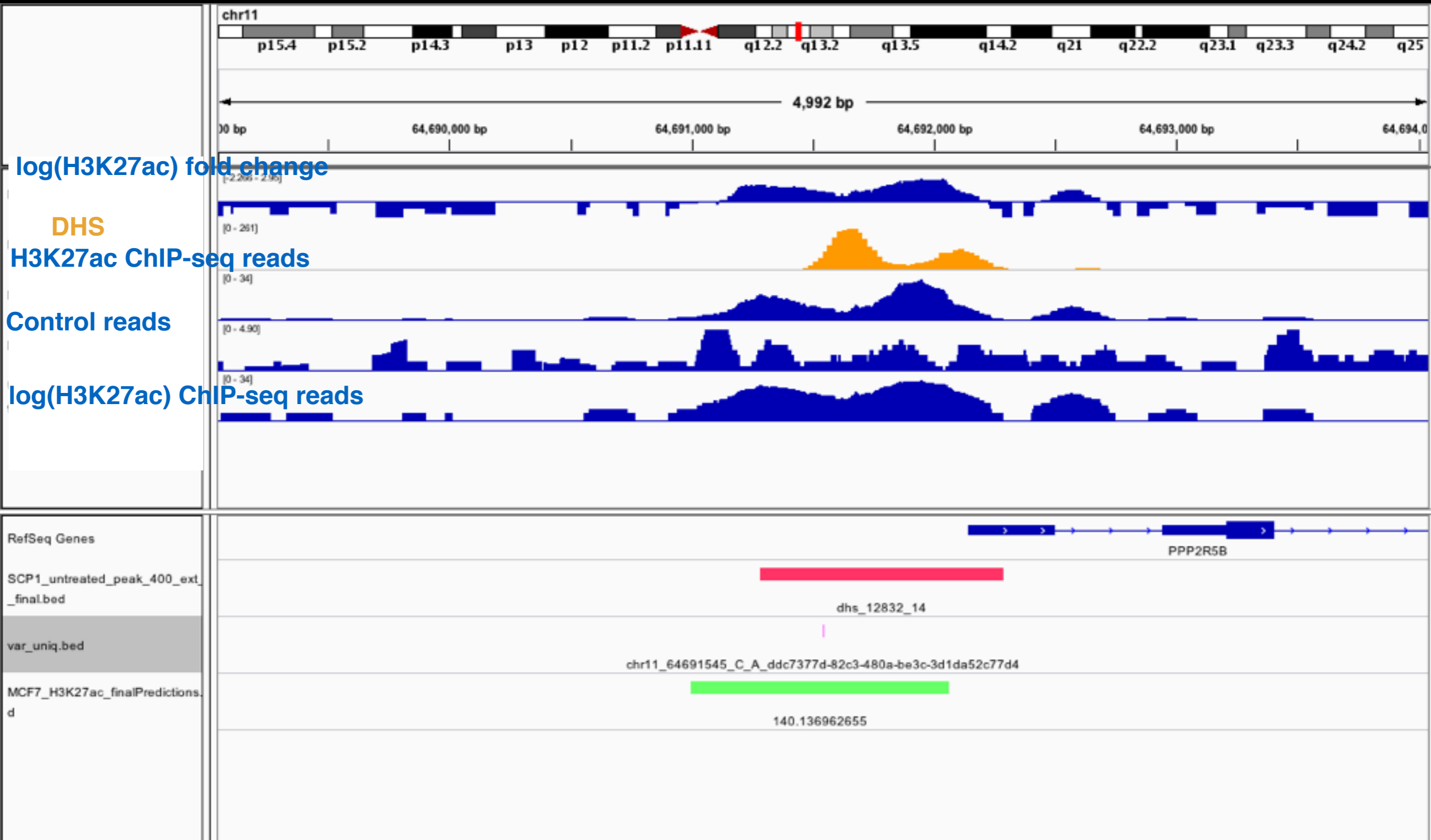
# Region4



Possibly a promoter region

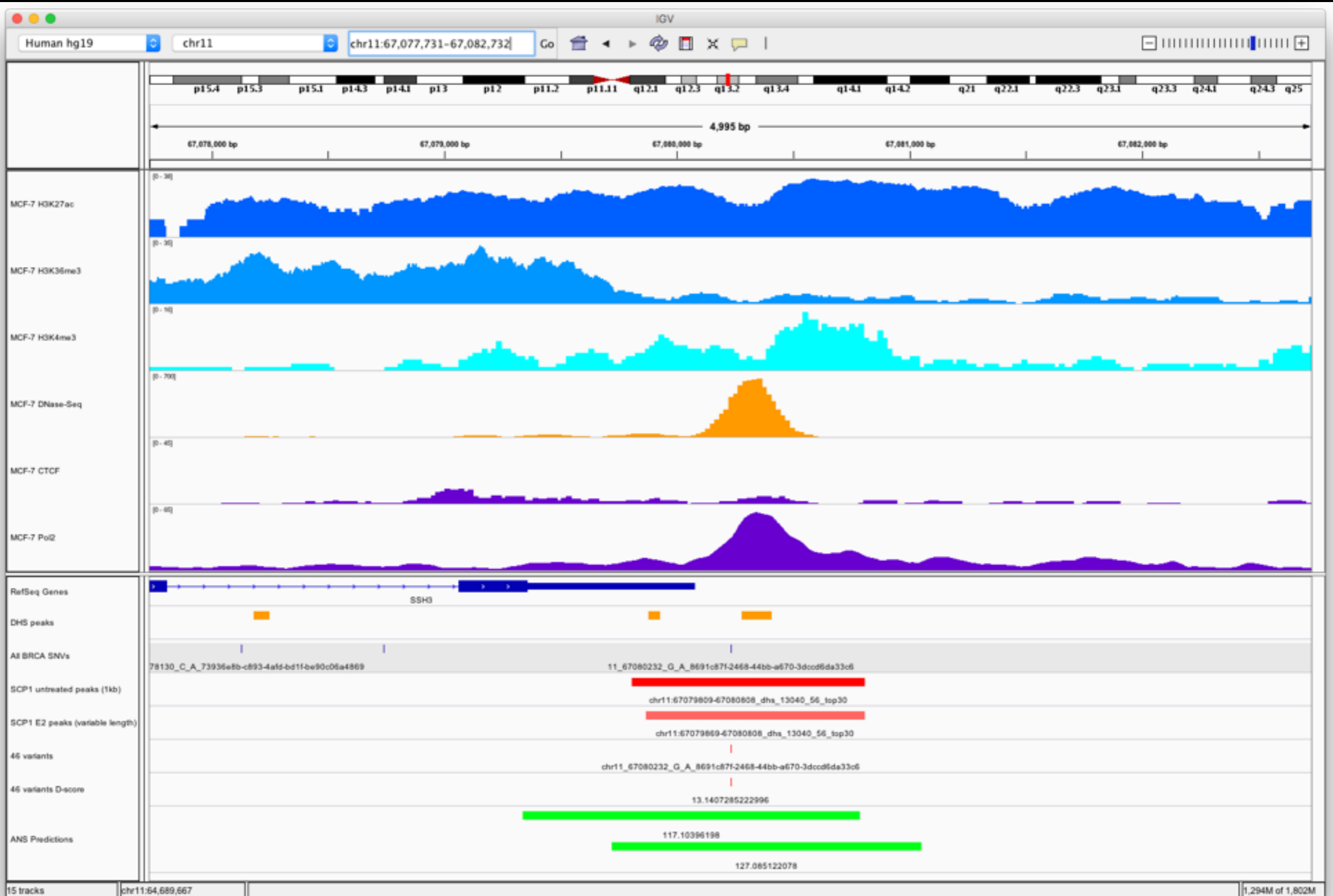


# Same Region4

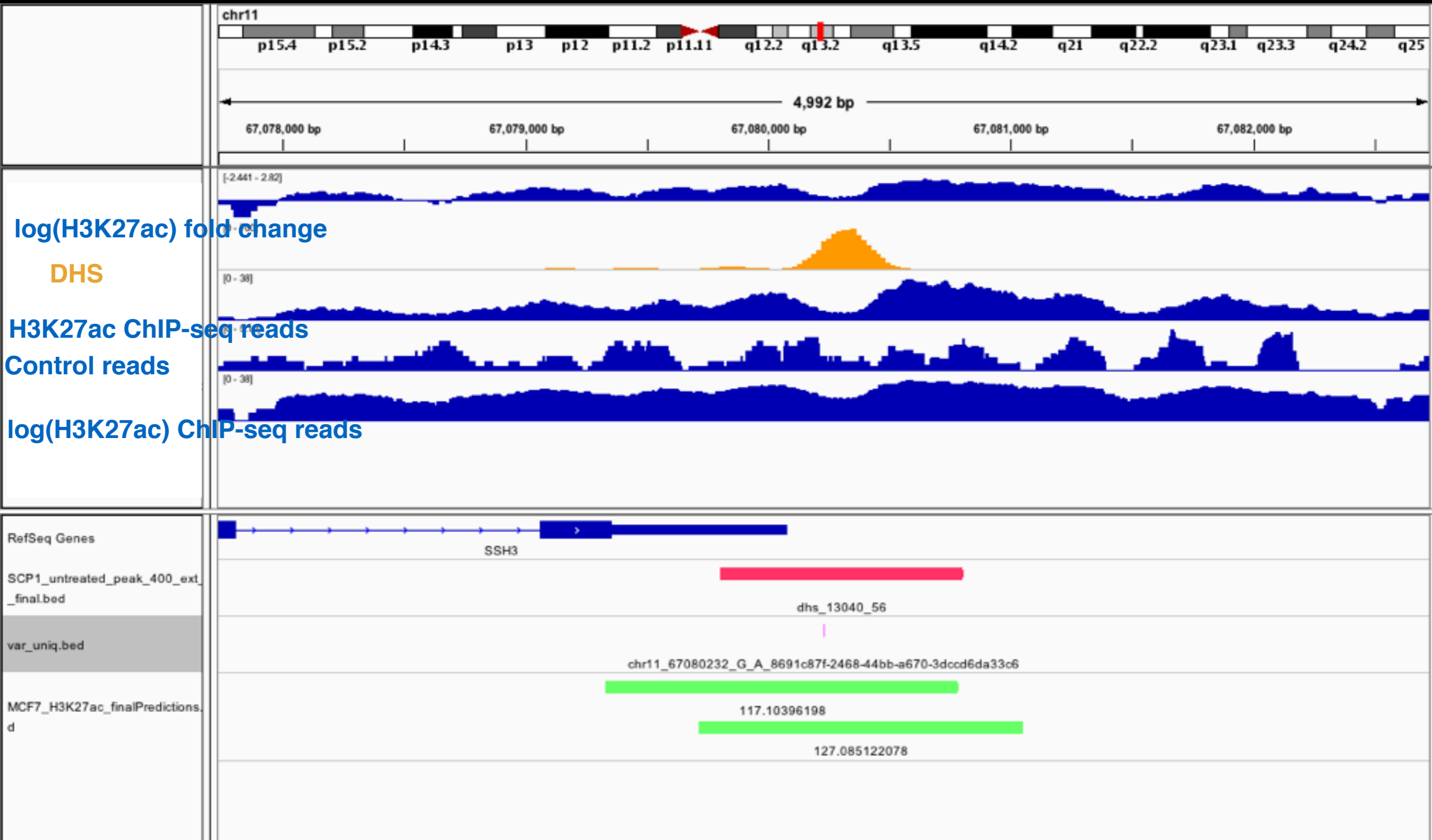


Good prediction by all measures

# Region5

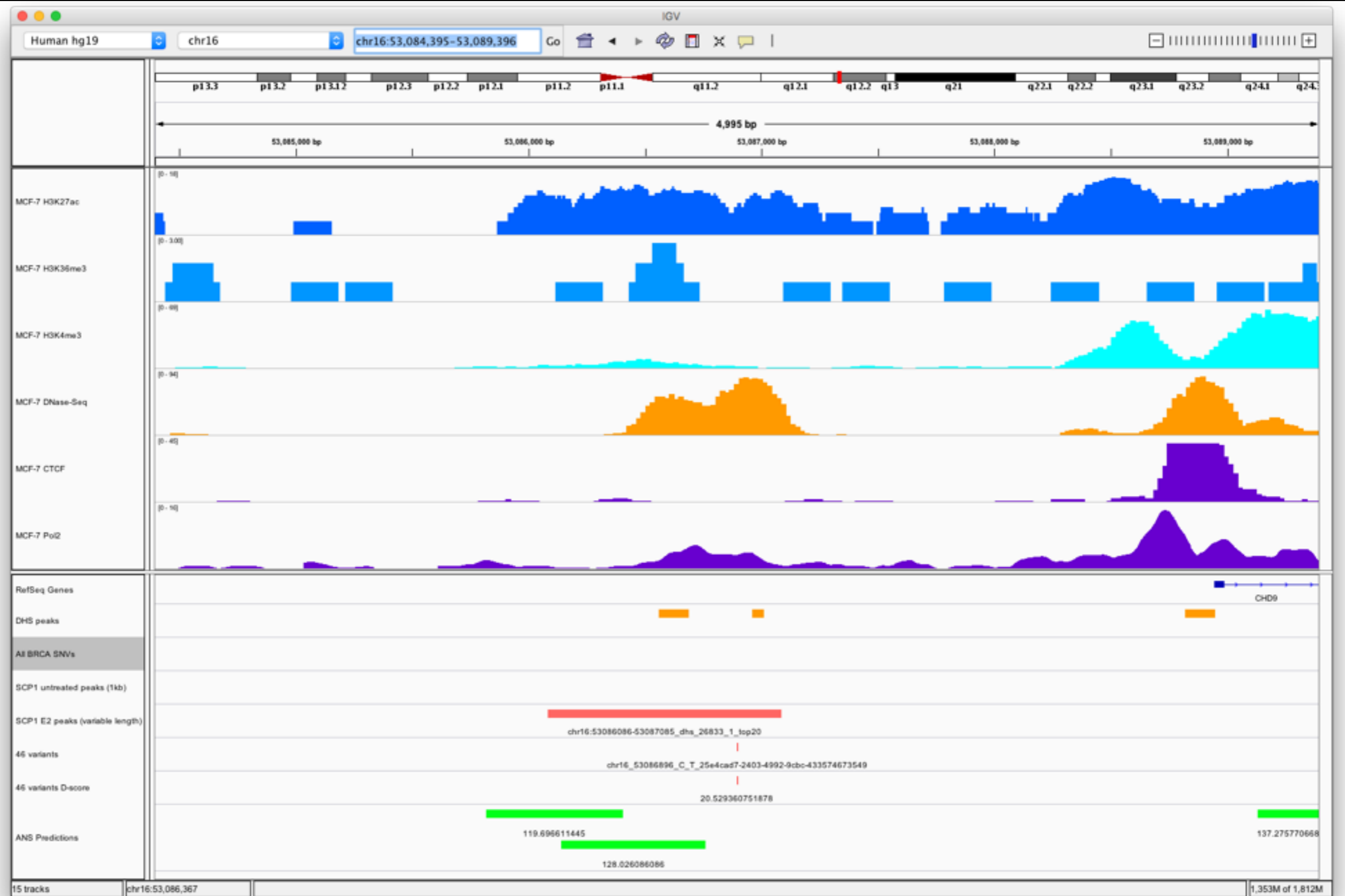


# Same Region5



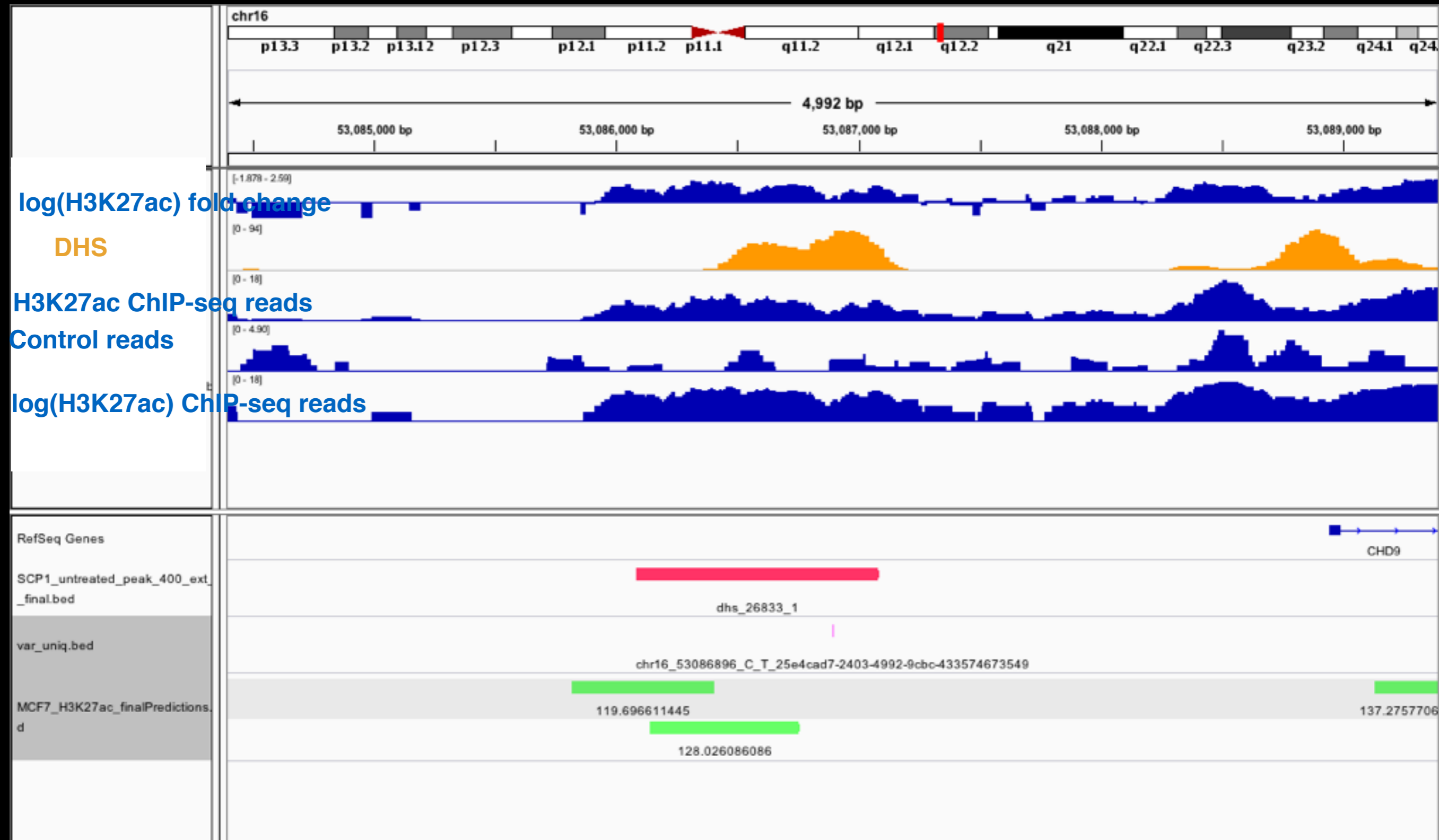
Good prediction by all measures

# Region6



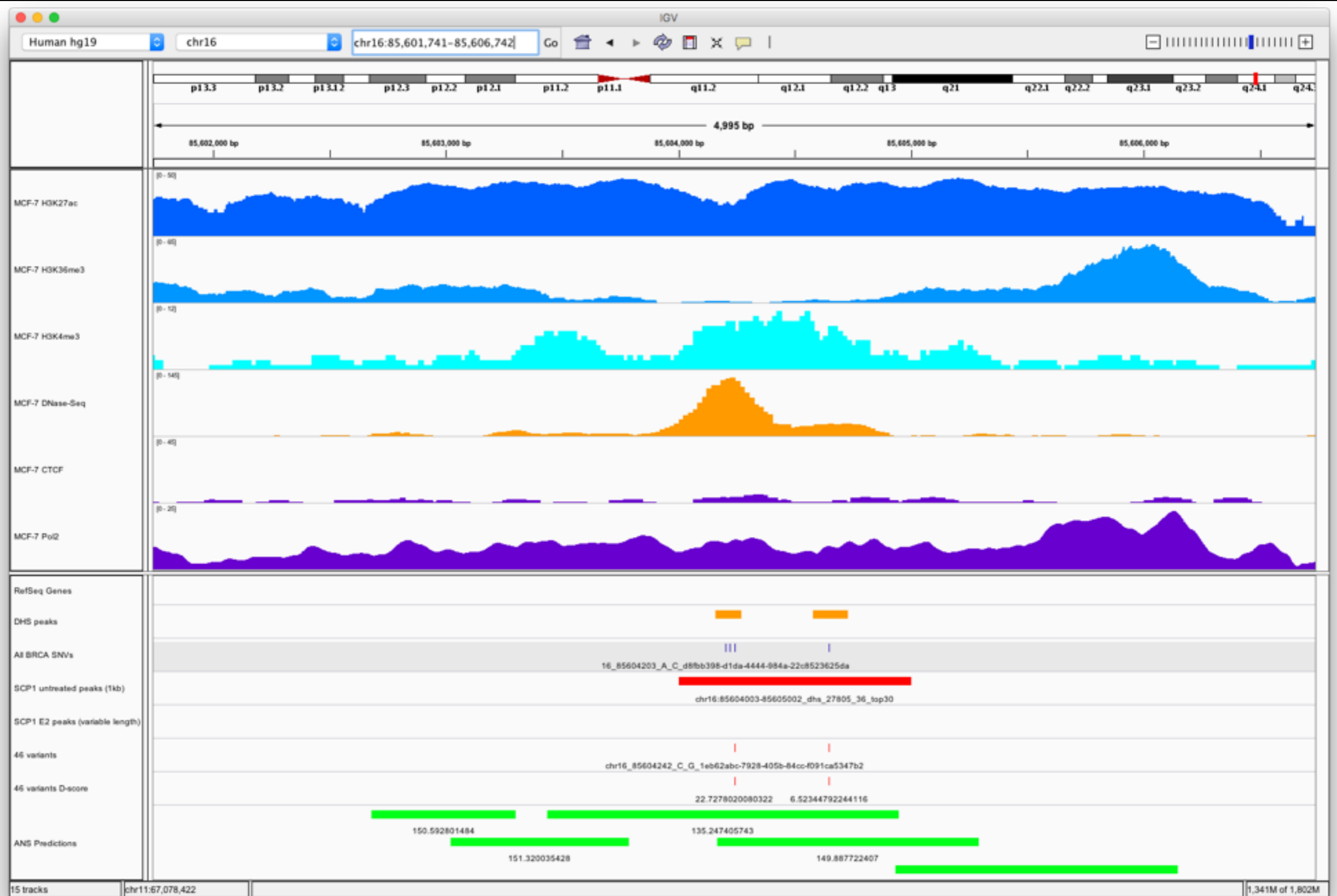
High D-score

# Same Region6



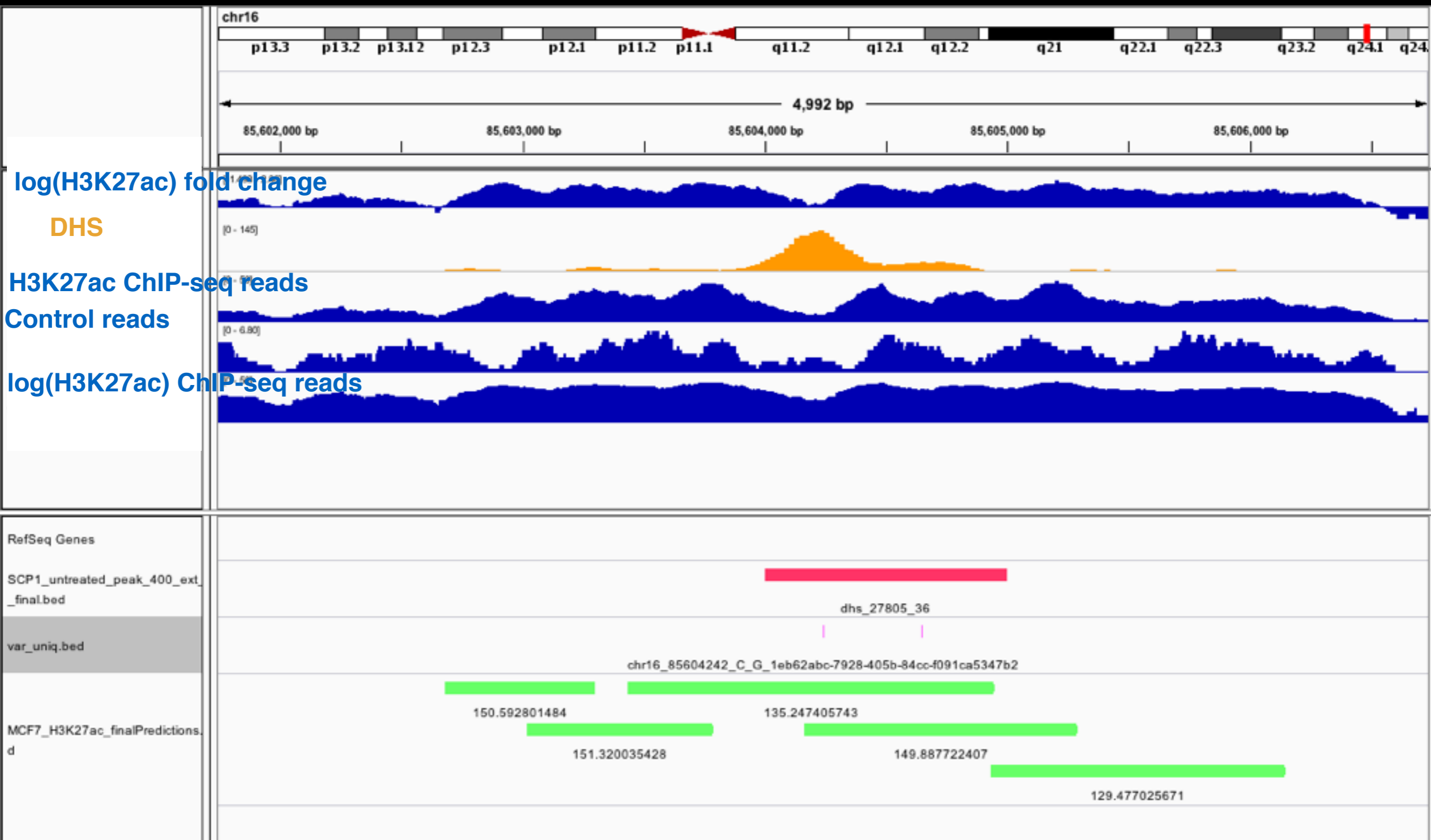
Most probably the EnhancerSeq peak fell below the MF score cutoff/flat in that region.

# Region7



High D-score

# Same Region7



Good prediction by all measures

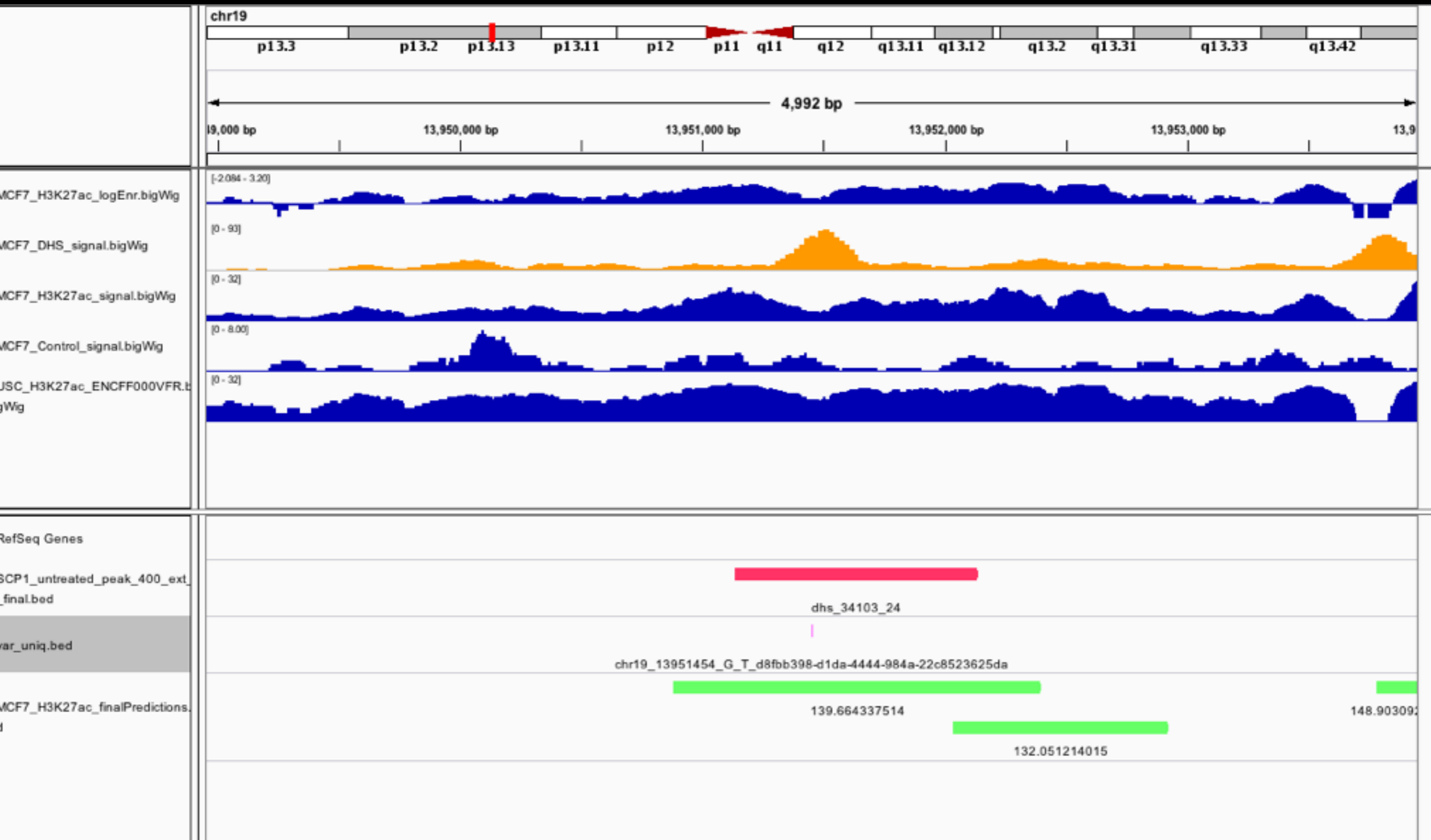
# Region8



High D-score



# Same Region8

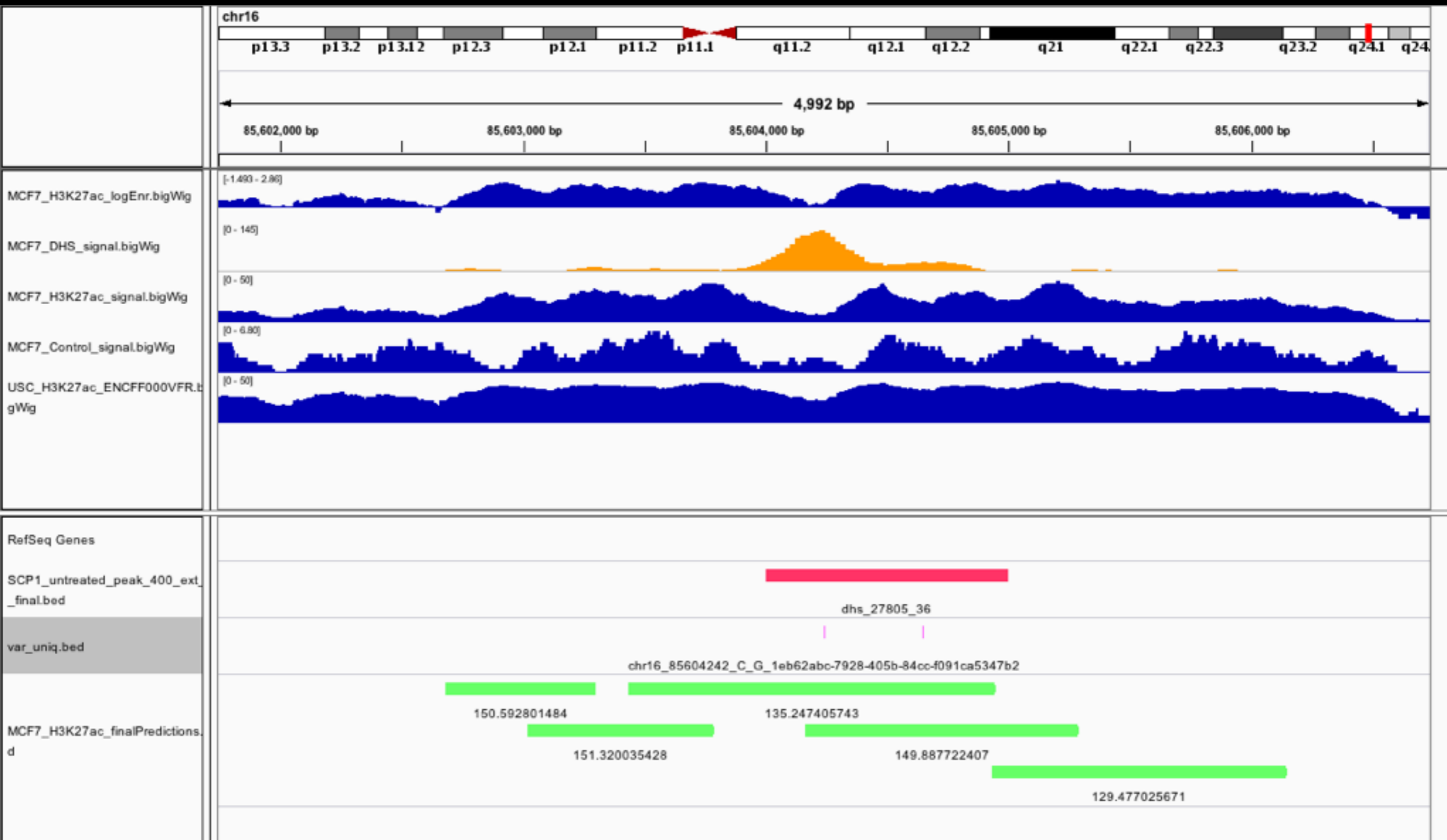


Good prediction by all measures

# Region8



# Same Region8



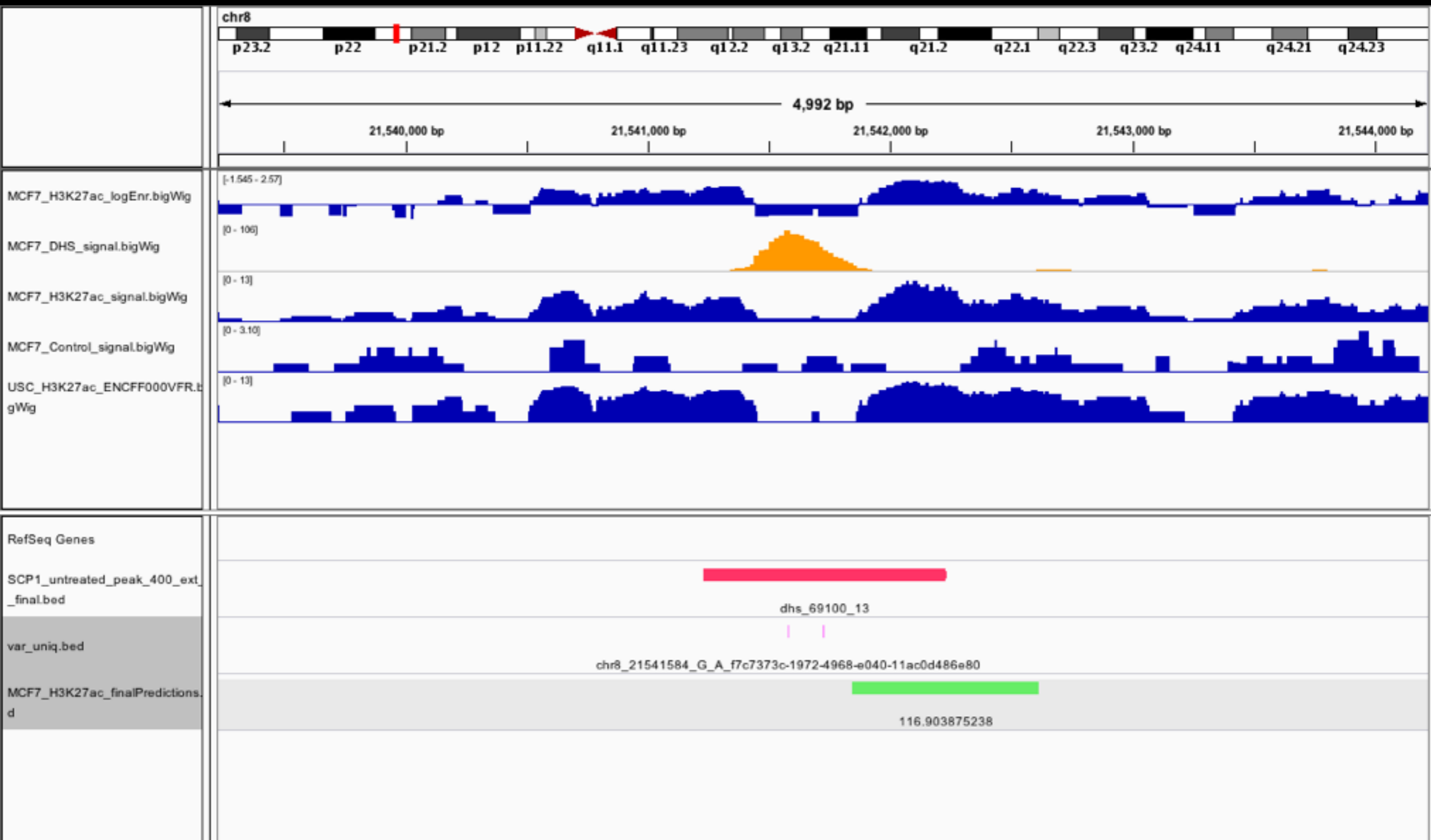
Now focusing just on what looked like bad predictions

# Region9



**Negative D-score (benefit)**

# Same Region9



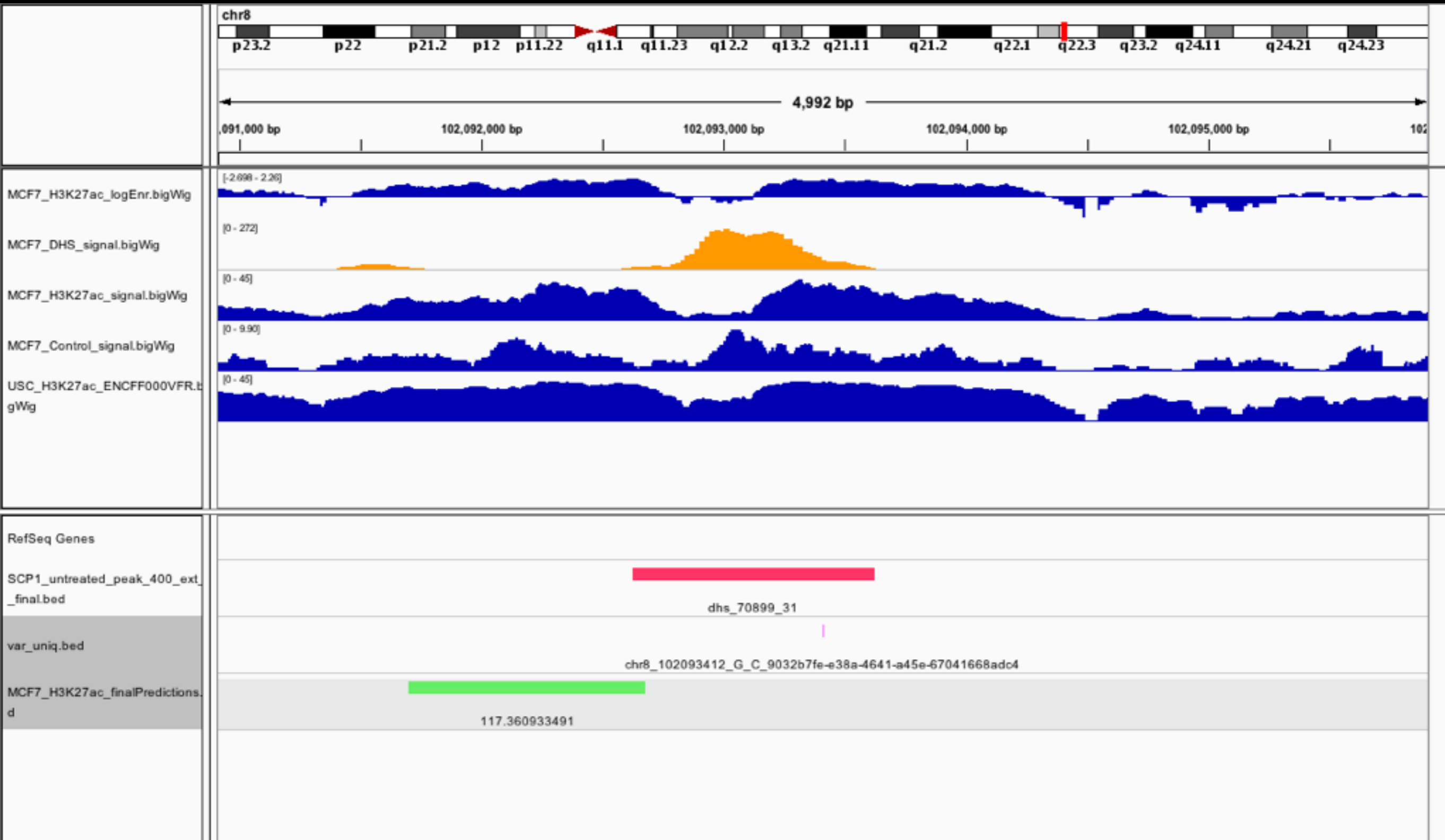
Not such a bad presentation in my opinion (DHS and H3K27ac just point to different regions).

# Region 10



Good enhancer, variant off-centered

# Same Region 10



The DHS peak is below enhancer prediction threshold