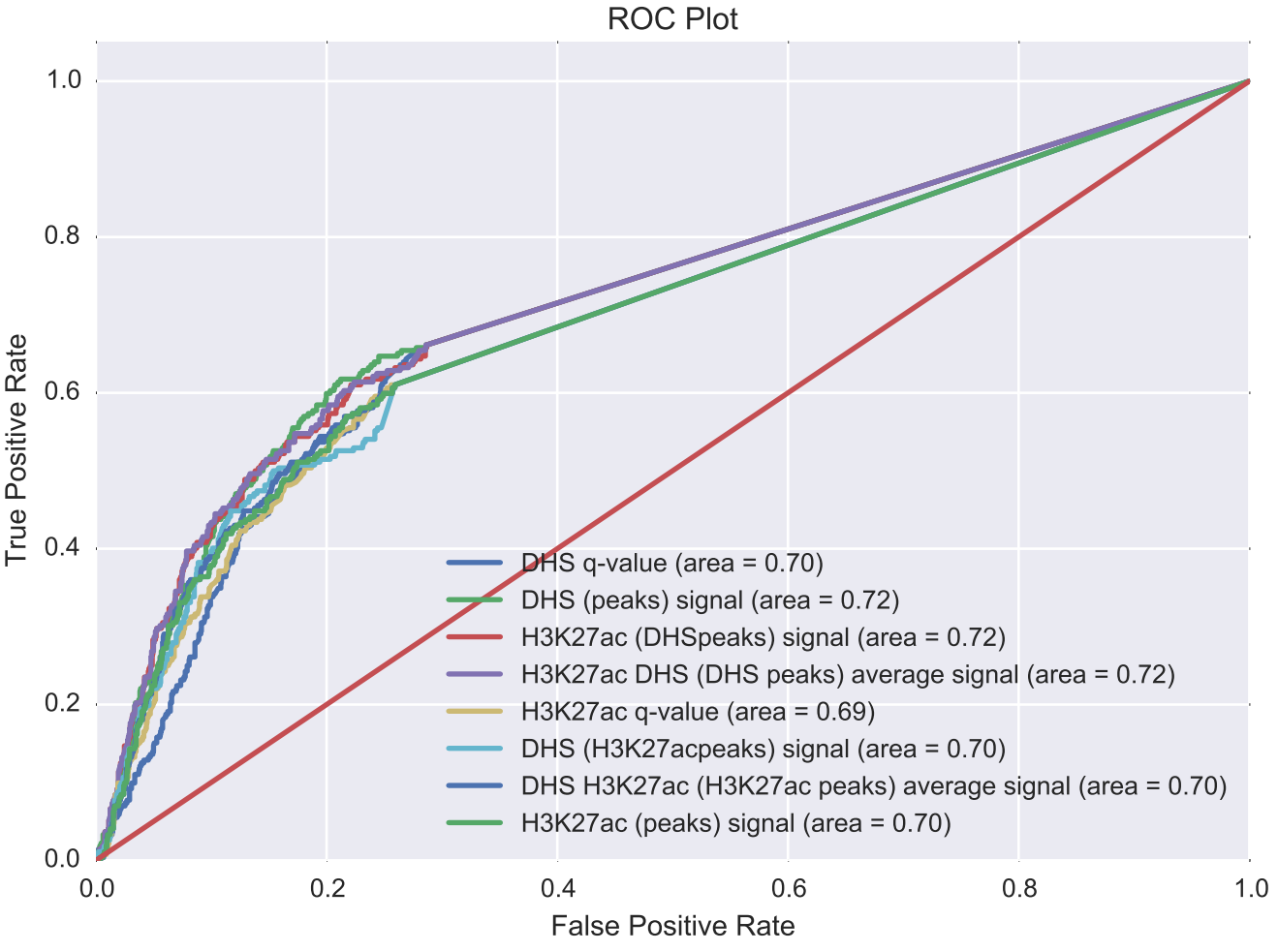
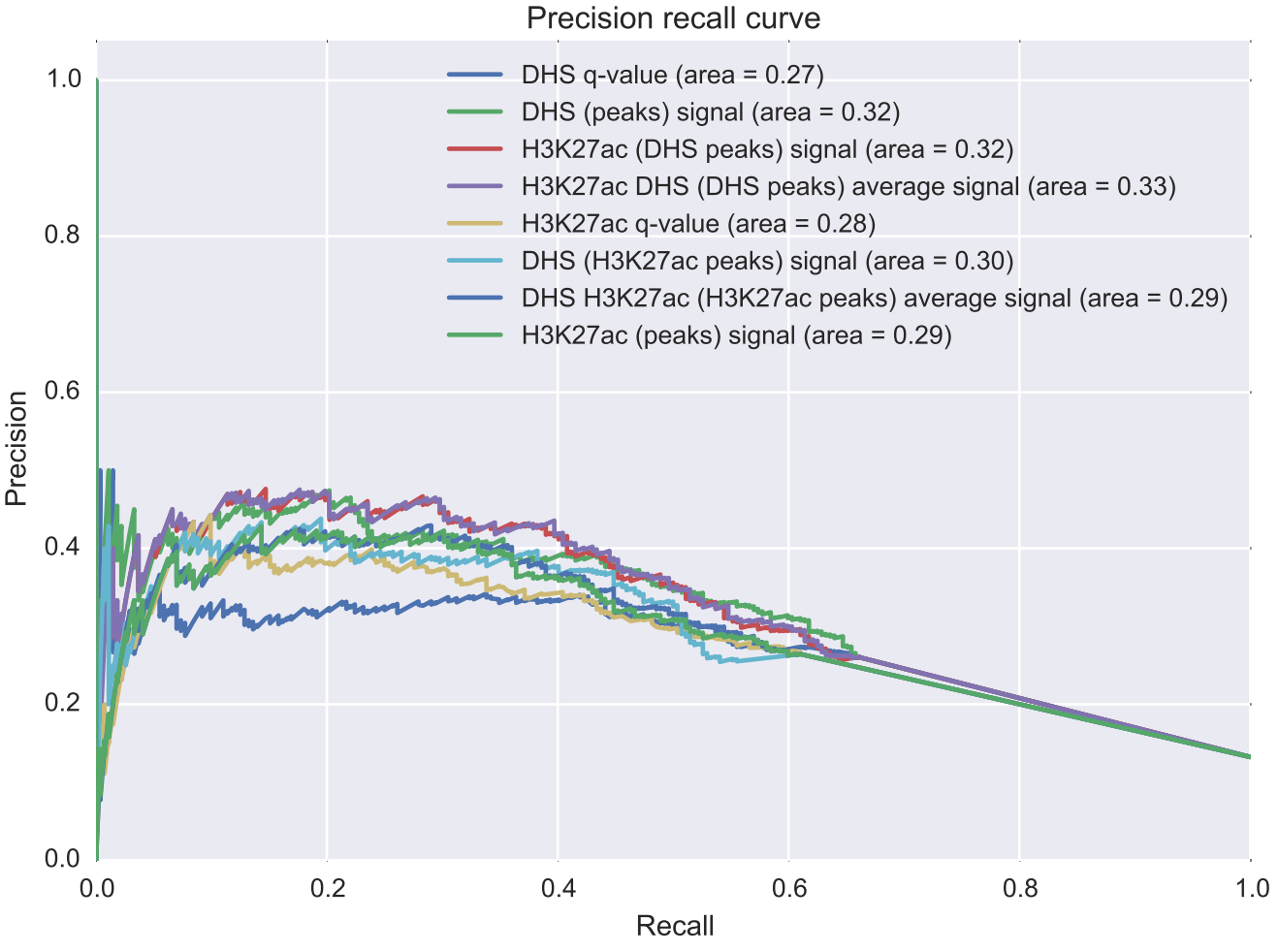
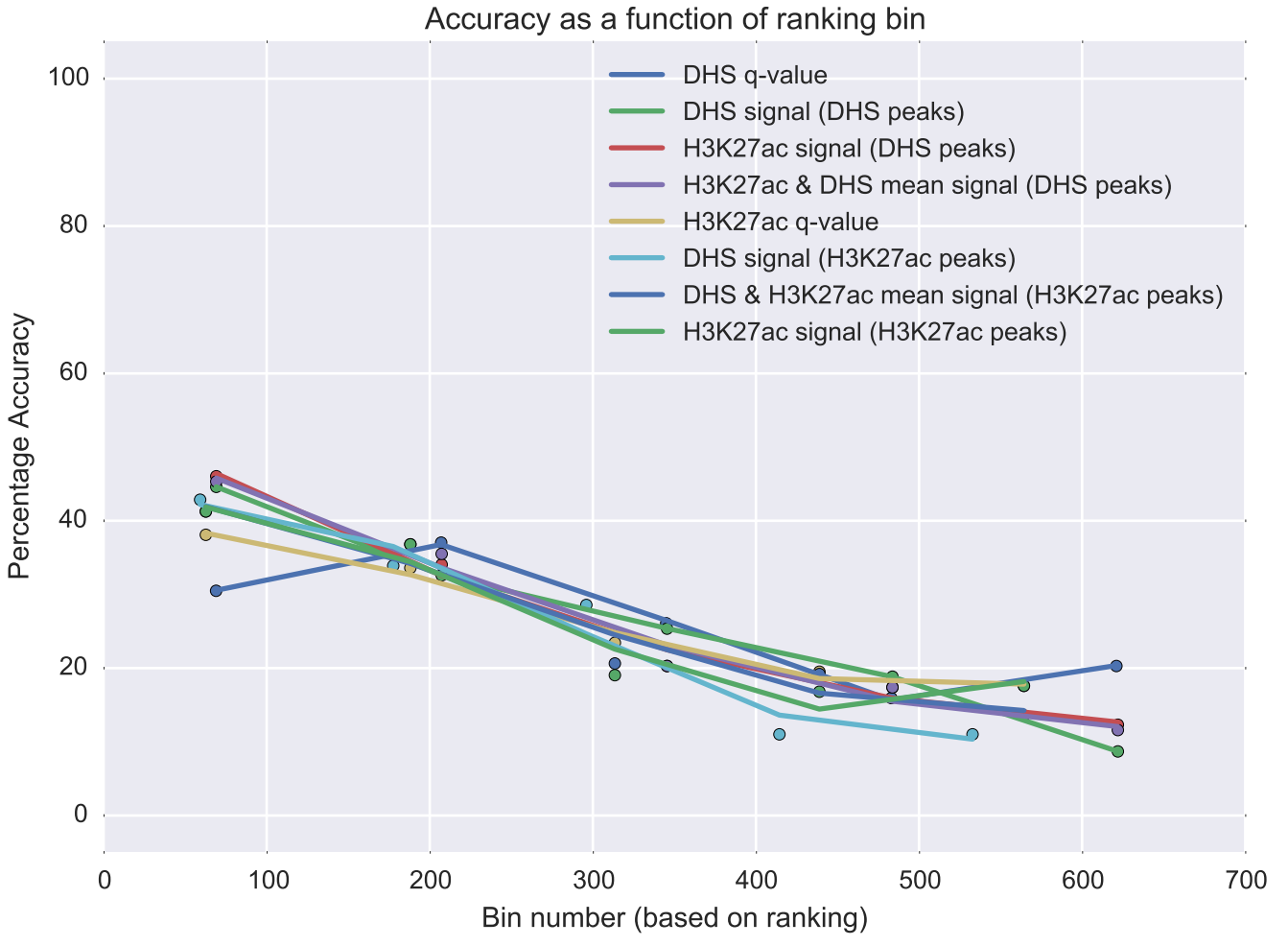
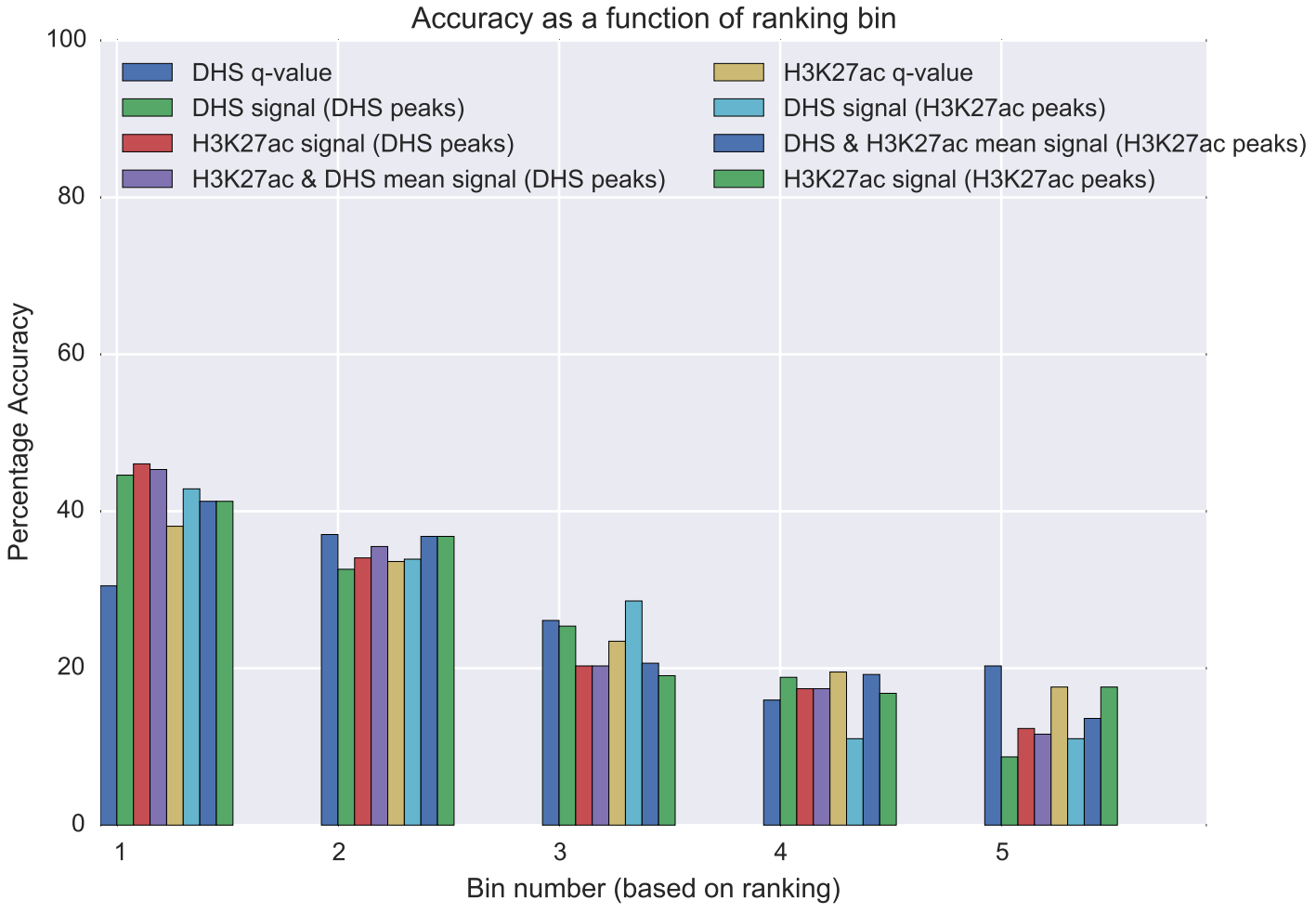
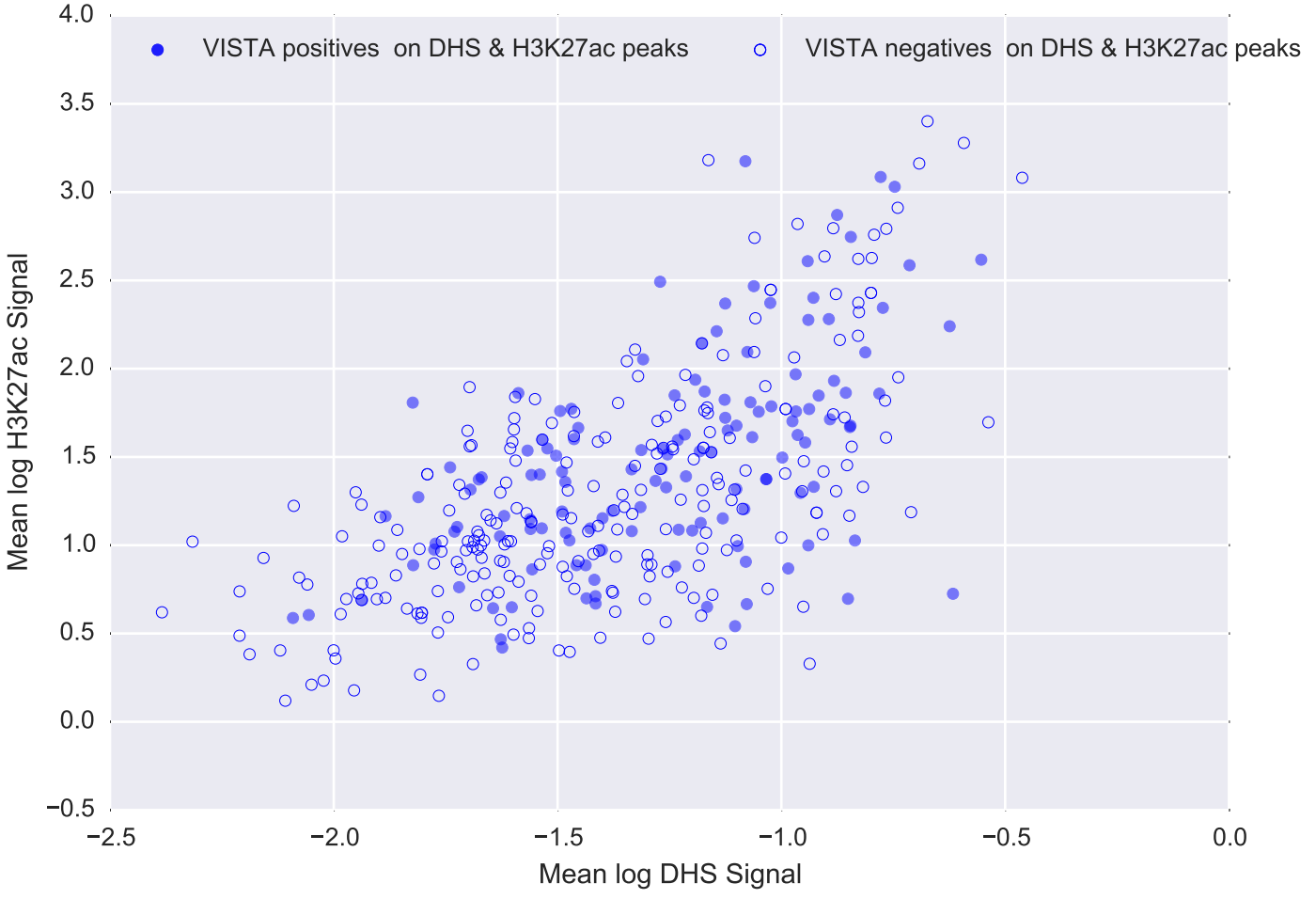
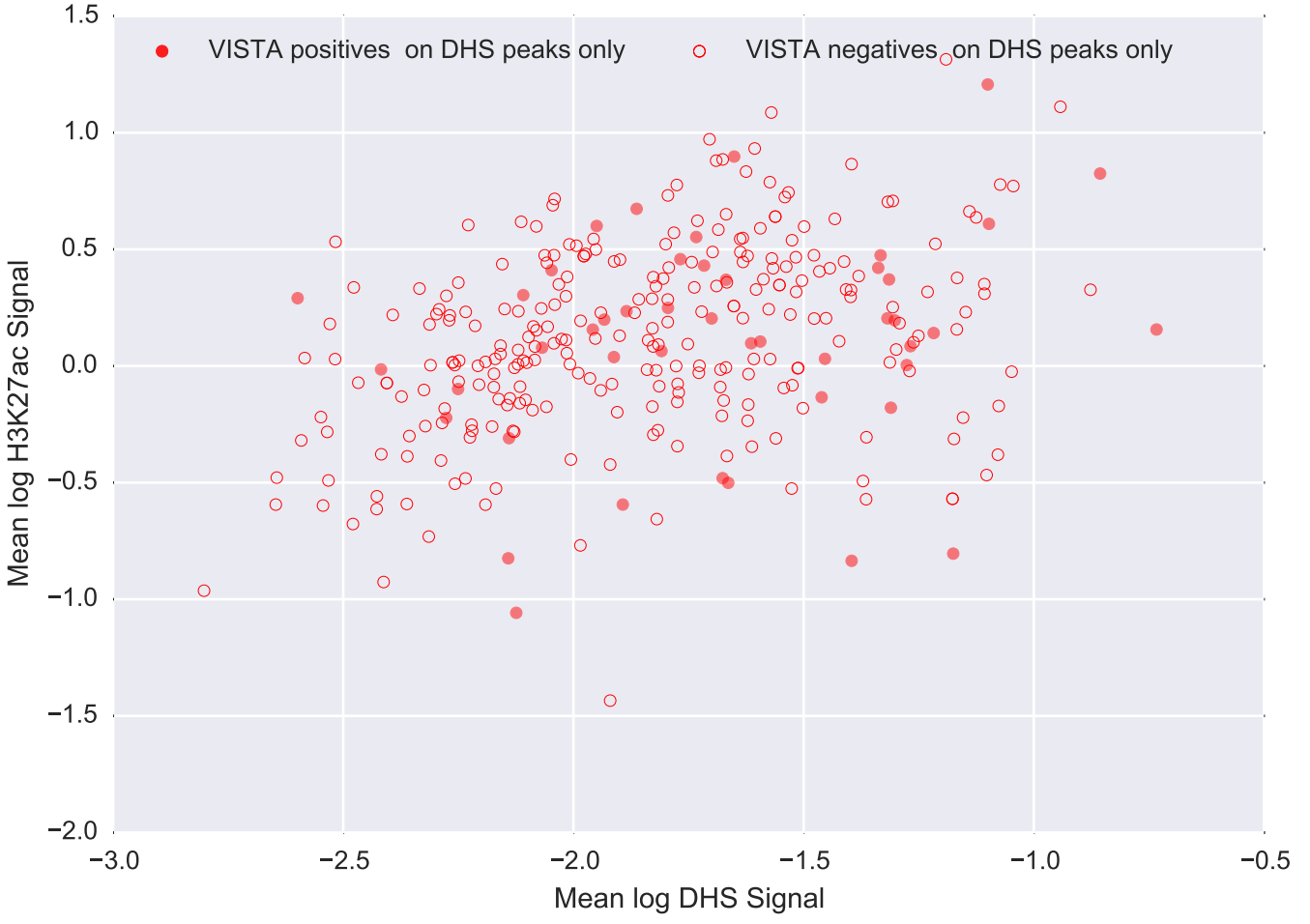

ROC Plot
True Positive Rate
False Positive Rate
0.0
0.2
0.4
0.6
0.8
1.0
DHS q-value (area = 0.70)
DHS (peaks) signal (area = 0.72)
H3K27ac (DHSpeaks) signal (area = 0.72)
H3K27ac DHS (DHS peaks) average signal (area = 0.72)
H3K27ac q-value (area = 0.69)
DHS (H3K27acpeaks) signal (area = 0.70)
DHS H3K27ac (H3K27ac peaks) average signal (area = 0.70)
H3K27ac (peaks) signal (area = 0.70)

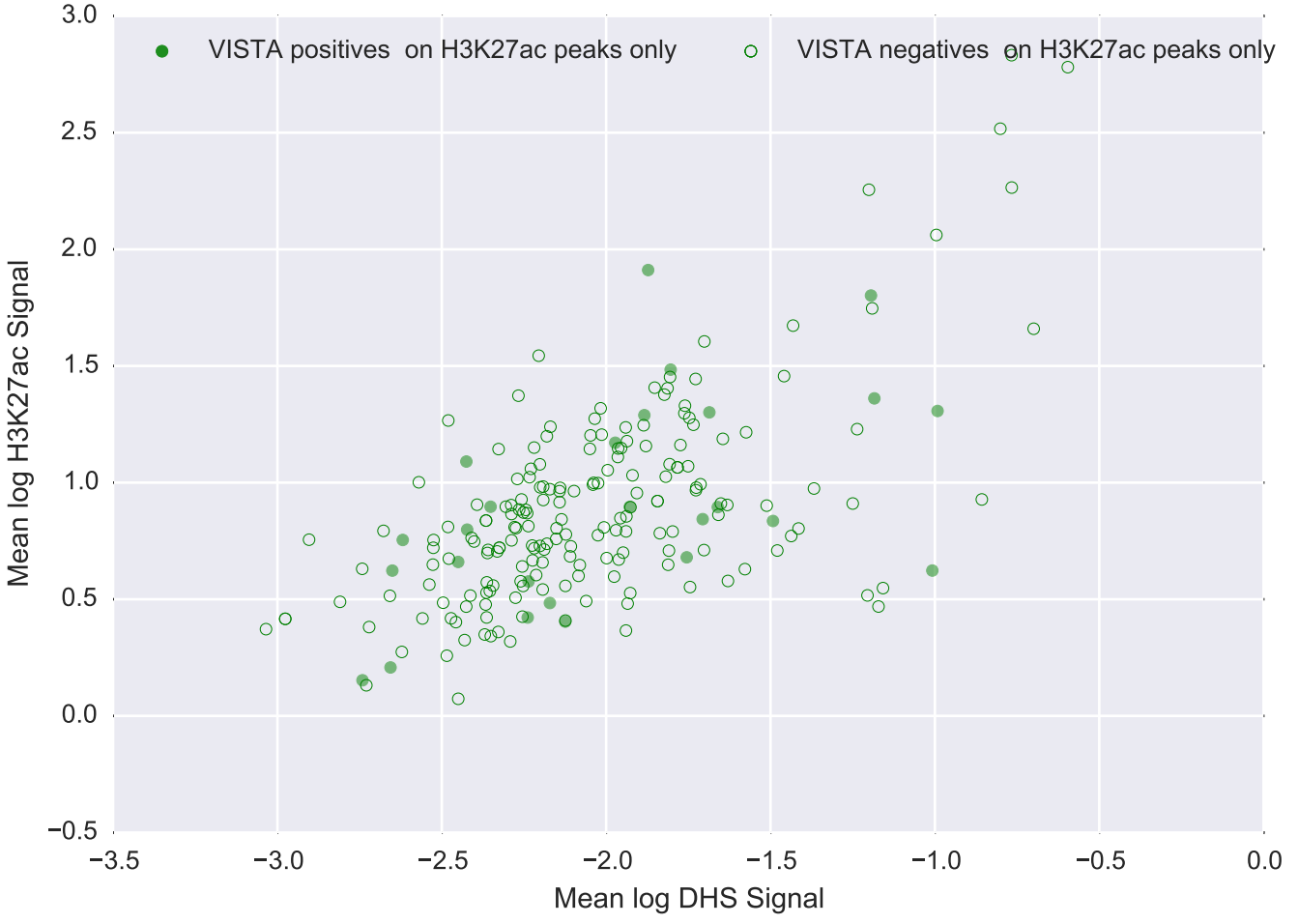

Precision recall curve
DHS q-value (area = 0.27)
DHS (peaks) signal (area = 0.32)
H3K27ac (DHS peaks) signal (area = 0.32)
H3K27ac DHS (DHS peaks) average signal (area = 0.33)
H3K27ac q-value (area = 0.28)
DHS (H3K27ac peaks) signal (area = 0.30)
DHS H3K27ac (H3K27ac peaks) average signal (area = 0.29)
H3K27ac (peaks) signal (area = 0.29)
Precision
Recall
0.0
0.2
0.4
0.6
0.8
1.0

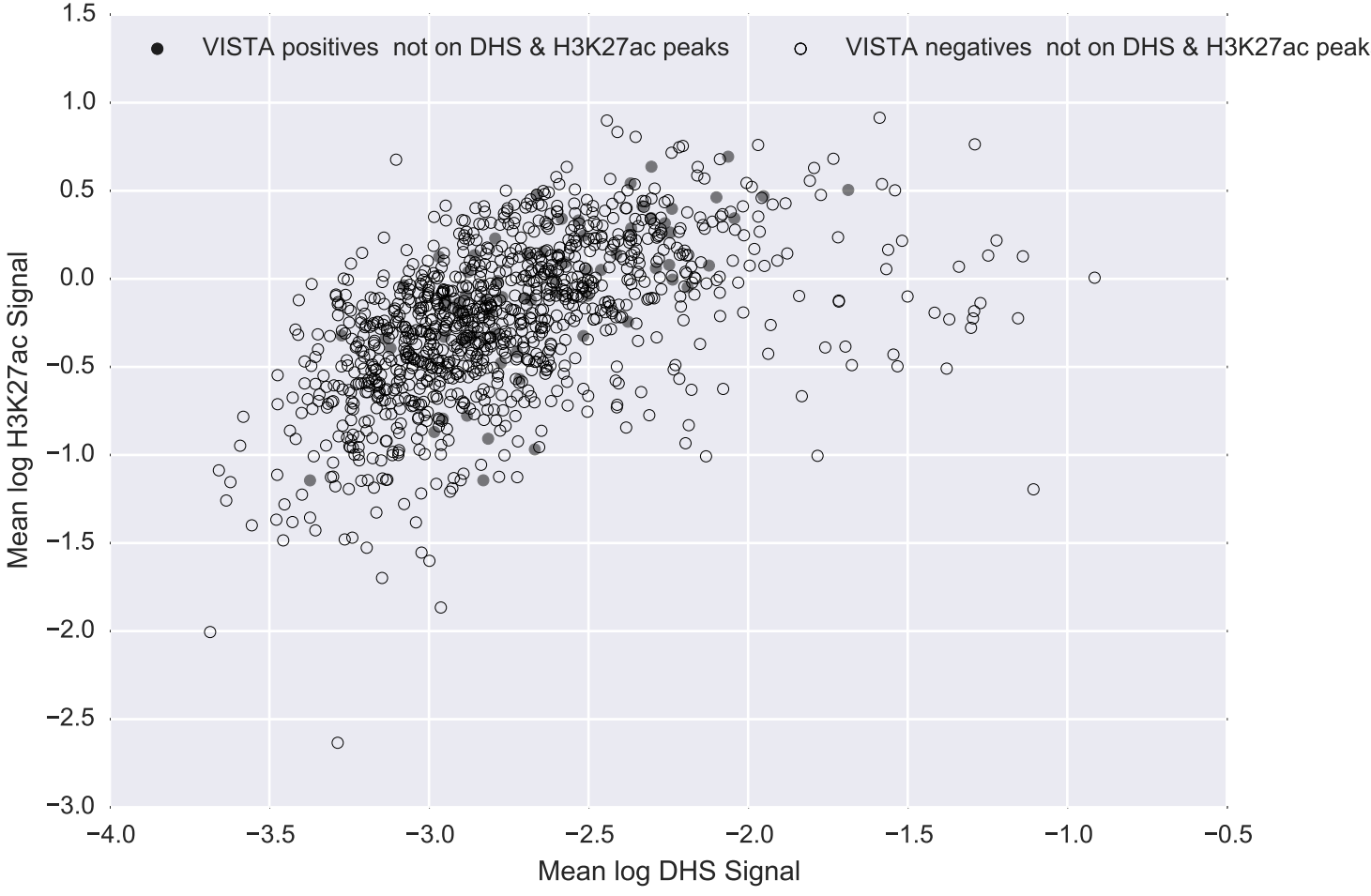

Accuracy as a function of ranking bin
DHS q-value
DHS signal (DHS peaks)
H3K27ac signal (DHS peaks)
H3K27ac & DHS mean signal (DHS peaks)
H3K27ac q-value
DHS signal (H3K27ac peaks)
DHS & H3K27ac mean signal (H3K27ac peaks)
H3K27ac signal (H3K27ac peaks)
Percentage Accuracy
Bin number (based on ranking)
0
20
40
60
80
100
0
100
200
300
400
500
600
700


Accuracy as a function of ranking bin
DHS q-value
DHS signal (DHS peaks)
H3K27ac signal (DHS peaks)
H3K27ac & DHS mean signal (DHS peaks)
H3K27ac q-value
DHS signal (H3K27ac peaks)
DHS & H3K27ac mean signal (H3K27ac peaks)
H3K27ac signal (H3K27ac peaks)
Percentage Accuracy
100
80
60
40
20
0
1
2
3
4
5
Bin number (based on ranking)


VISTA positives on DHS & H3K27ac peaks
VISTA negatives on DHS & H3K27ac peaks
Mean log H3K27ac Signal
Mean log DHS Signal
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−2.5
−2.0
−1.5
−1.0
−0.5
0.0


VISTA positives on DHS peaks only
VISTA negatives on DHS peaks only
Mean log H3K27ac Signal
Mean log DHS Signal
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5


VISTA positives on H3K27ac peaks only
VISTA negatives on H3K27ac peaks only
Mean log H3K27ac Signal
Mean log DHS Signal
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0


VISTA positives not on DHS & H3K27ac peaks
VISTA negatives not on DHS & H3K27ac peak
Mean log H3K27ac Signal
Mean log DHS Signal
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−4.0
−3.5
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5