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****Summary Stats****

Annotation: /home/mario/human/encode/testEncode/genes_known_validated/annotation_list
 Predictions: /home/mario/human/encode/testEncode/allpredictions/27_95_2_GeneMark_hmm_encode_1114090951.gtf.dir/prediction_list

Gene Sensitivity	15.25%
Gene Specificity	3.24%
Transcript Sensitivity	7.17%
Transcript Specificity	3.24%
Exon Sensitivity	50.11%
Exon Specificity	28.76%
Nucleotide Sensitivity	76.69%
Nucleotide Specificity	37.13%

****General Stats****

Predictions: /home/mario/human/encode/testEncode/genes_known_validated/annotation_list
 /home/mario/human/encode/testEncode/allpredictions/27_95_2_GeneMark_hmm_encode_1114090951.gtf.dir/prediction_list

Gene			
All	Count	295.00	1389.00
	Total Transcripts	711.00	1389.00
	Transcripts Per	2.41	1.00
Transcript			
All	Count	711.00	1389.00
	Average Length	27411.48	9670.88
	Total Length	19489560.00	13432858.00
	Average Coding Length	1288.69	658.98
	Total Coding Length	916261.00	915328.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
	Exons Per	8.12	3.47
	Total Exons	5773.00	4819.00
Complete	Count	0.00	0.00
	Average Length	0.00	0.00
	Total Length	0.00	0.00
	Average Coding Length	0.00	0.00
	Total Coding Length	0.00	0.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
	Exons Per	0.00	0.00
	Total Exons	0.00	0.00
Incomplete	Count	711.00	1389.00
	Average Length	27411.48	9670.88
	Total Length	19489560.00	13432858.00
	Average Coding Length	1288.69	658.98
	Total Coding Length	916261.00	915328.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
	Exons Per	8.12	3.47
	Total Exons	5773.00	4819.00
Exon			
All	Count	2782.00	4819.00

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	Average Length	175.10	189.94
	Total Length	487140.00	915328.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Initial	Count	0.00	0.00
	Average Length	0.00	0.00
	Total Length	0.00	0.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Internal	Count	2723.00	4613.00
	Average Length	159.59	173.35
	Total Length	434561.00	799651.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Terminal	Count	0.00	0.00
	Average Length	0.00	0.00
	Total Length	0.00	0.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Single	Count	59.00	206.00
	Average Length	891.17	561.54
	Total Length	52579.00	115677.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Intron	Count	2364.00	3430.00
	Average Length	4087.77	3649.43
	Total Length	9663479.00	12517530.00
	Average Score	0.00	0.00
	Total Score	0.00	0.00
Nuc			
All	Count	487140.00	915328.00
Initial	Count	0.00	0.00
Internal	Count	434561.00	799651.00
Terminal	Count	0.00	0.00
Single	Count	52579.00	115677.00
Intron	Count	9663479.00	12517530.00
Signal			
Splice Acceptor	Count	2723.00	4613.00
Splice Donor	Count	2723.00	4613.00
Start Codon	Count	0.00	0.00
Stop Codon	Count	0.00	0.00

****Detailed Stats****

Annotation: /home/mario/human/encode/testEncode/genes_known_validated/annotation_list
 Predictions: /home/mario/human/encode/testEncode/all

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predictions/27_95_2_GeneMark_hmm_encode_1114090951.gtf.dir/prediction_list

Gene

All

Count	1389.00
Ann Count	295.00
Total Transcripts	1389.00
Transcripts Per	1.00
Consistent Pred Count	45.00
Consistent Ann Count	45.00
Consistent Specificity	3.24%
Consistent Sensitivity	15.25%
Exact Pred Count	44.00
Exact Ann Count	44.00
Exact Specificity	3.17%
Exact Sensitivity	14.92%
Genomic Overlap Pred Count	420.00
Genomic Overlap Ann Count	280.00
Genomic Overlap Specificity	30.24%
Genomic Overlap Sensitivity	94.92%
CDS Overlap Pred Count	354.00
CDS Overlap Ann Count	280.00
CDS Overlap Specificity	25.49%
CDS Overlap Sensitivity	94.92%
All Introns Pred Count	55.00
All Introns Ann Count	56.00
All Introns Specificity	3.96%
All Introns Sensitivity	18.98%
Exact Intron Pred Count	235.00
Exact Intron Ann Count	213.00
Exact Intron Specificity	16.92%
Exact Intron Sensitivity	72.20%
Exact Exon Pred Count	285.00
Exact Exon Ann Count	236.00
Exact Exon Specificity	20.52%
Exact Exon Sensitivity	80.00%
Start Codon Pred Count	0.00
Start Codon Ann Count	0.00
Start Codon Specificity	0.00%
Start Codon Sensitivity	0.00%
Stop Codon Pred Count	0.00
Stop Codon Ann Count	0.00
Stop Codon Specificity	0.00%
Stop Codon Sensitivity	0.00%
Start Stop Pred Count	0.00
Start Stop Ann Count	0.00
Start Stop Specificity	0.00%
Start Stop Sensitivity	0.00%

Transcript

All

Count	1389.00
Ann Count	711.00
Average Length	9670.88
Total Length	13432858.00
Average Coding Length	658.98
Total Coding Length	915328.00
Average Score	0.00
Total Score	0.00
Exons Per	3.47
Total Exons	4819.00
Consistent Pred Count	45.00
Consistent Ann Count	51.00
Consistent Specificity	3.24%

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Consistent Sensitivity	7.17%
Exact Pred Count	44.00
Exact Ann Count	50.00
Exact Specificity	3.17%
Exact Sensitivity	7.03%
Genomic Overlap Pred Count	420.00
Genomic Overlap Ann Count	686.00
Genomic Overlap Specificity	30.24%
Genomic Overlap Sensitivity	96.48%
CDS Overlap Pred Count	354.00
CDS Overlap Ann Count	682.00
CDS Overlap Specificity	25.49%
CDS Overlap Sensitivity	95.92%
All Introns Pred Count	55.00
All Introns Ann Count	84.00
All Introns Specificity	3.96%
All Introns Sensitivity	11.81%
Exact Intron Pred Count	235.00
Exact Intron Ann Count	536.00
Exact Intron Specificity	16.92%
Exact Intron Sensitivity	75.39%
Exact Exon Pred Count	285.00
Exact Exon Ann Count	589.00
Exact Exon Specificity	20.52%
Exact Exon Sensitivity	82.84%
Start Codon Pred Count	0.00
Start Codon Ann Count	0.00
Start Codon Specificity	0.00%
Start Codon Sensitivity	0.00%
Stop Codon Pred Count	0.00
Stop Codon Ann Count	0.00
Stop Codon Specificity	0.00%
Stop Codon Sensitivity	0.00%
Start Stop Pred Count	0.00
Start Stop Ann Count	0.00
Start Stop Specificity	0.00%
Start Stop Sensitivity	0.00%

Complete

Count	0.00
Ann Count	0.00
Average Length	0.00
Total Length	0.00
Average Coding Length	0.00
Total Coding Length	0.00
Average Score	0.00
Total Score	0.00
Exons Per	0.00
Total Exons	0.00
Consistent Pred Count	0.00
Consistent Ann Count	0.00
Consistent Specificity	0.00%
Consistent Sensitivity	0.00%
Exact Pred Count	0.00
Exact Ann Count	0.00
Exact Specificity	0.00%
Exact Sensitivity	0.00%
Genomic Overlap Pred Count	0.00
Genomic Overlap Ann Count	0.00
Genomic Overlap Specificity	0.00%
Genomic Overlap Sensitivity	0.00%
CDS Overlap Pred Count	0.00
CDS Overlap Ann Count	0.00

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CDS Overlap Specificity	0.00%
CDS Overlap Sensitivity	0.00%
All Introns Pred Count	0.00
All Introns Ann Count	0.00
All Introns Specificity	0.00%
All Introns Sensitivity	0.00%
Exact Intron Pred Count	0.00
Exact Intron Ann Count	0.00
Exact Intron Specificity	0.00%
Exact Intron Sensitivity	0.00%
Exact Exon Pred Count	0.00
Exact Exon Ann Count	0.00
Exact Exon Specificity	0.00%
Exact Exon Sensitivity	0.00%
Start Codon Pred Count	0.00
Start Codon Ann Count	0.00
Start Codon Specificity	0.00%
Start Codon Sensitivity	0.00%
Stop Codon Pred Count	0.00
Stop Codon Ann Count	0.00
Stop Codon Specificity	0.00%
Stop Codon Sensitivity	0.00%
Start Stop Pred Count	0.00
Start Stop Ann Count	0.00
Start Stop Specificity	0.00%
Start Stop Sensitivity	0.00%
Incomplete	
Count	1389.00
Ann Count	711.00
Average Length	9670.88
Total Length	13432858.00
Average Coding Length	658.98
Total Coding Length	915328.00
Average Score	0.00
Total Score	0.00
Exons Per	3.47
Total Exons	4819.00
Consistent Pred Count	45.00
Consistent Ann Count	51.00
Consistent Specificity	3.24%
Consistent Sensitivity	7.17%
Exact Pred Count	44.00
Exact Ann Count	50.00
Exact Specificity	3.17%
Exact Sensitivity	7.03%
Genomic Overlap Pred Count	420.00
Genomic Overlap Ann Count	686.00
Genomic Overlap Specificity	30.24%
Genomic Overlap Sensitivity	96.48%
CDS Overlap Pred Count	354.00
CDS Overlap Ann Count	682.00
CDS Overlap Specificity	25.49%
CDS Overlap Sensitivity	95.92%
All Introns Pred Count	55.00
All Introns Ann Count	84.00
All Introns Specificity	3.96%
All Introns Sensitivity	11.81%
Exact Intron Pred Count	235.00
Exact Intron Ann Count	536.00
Exact Intron Specificity	16.92%
Exact Intron Sensitivity	75.39%
Exact Exon Pred Count	285.00

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Exact Exon Ann Count	589.00
Exact Exon Specificity	20.52%
Exact Exon Sensitivity	82.84%
Start Codon Pred Count	0.00
Start Codon Ann Count	0.00
Start Codon Specificity	0.00%
Start Codon Sensitivity	0.00%
Stop Codon Pred Count	0.00
Stop Codon Ann Count	0.00
Stop Codon Specificity	0.00%
Stop Codon Sensitivity	0.00%
Start Stop Pred Count	0.00
Start Stop Ann Count	0.00
Start Stop Specificity	0.00%
Start Stop Sensitivity	0.00%
Exon	
All	
Count	4819.00
Ann Count	2782.00
Average Length	189.94
Total Length	915328.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	1386.00
Correct Ann Count	1394.00
Correct Specificity	28.76%
Correct Sensitivity	50.11%
Overlap Pred Count	1755.00
Overlap Ann Count	1991.00
Overlap Specificity	36.42%
Overlap Sensitivity	71.57%
Overlap 80p Pred Count	1541.00
Overlap 80p Ann Count	1625.00
Overlap 80p Specificity	31.98%
Overlap 80p Sensitivity	58.41%
Splice 5 Pred Count	1536.00
Splice 5 Ann Count	1659.00
Splice 5 Specificity	31.87%
Splice 5 Sensitivity	59.63%
Splice 3 Pred Count	1562.00
Splice 3 Ann Count	1652.00
Splice 3 Specificity	32.41%
Splice 3 Sensitivity	59.38%
Initial	
Count	0.00
Ann Count	0.00
Average Length	0.00
Total Length	0.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00
Correct Specificity	0.00%
Correct Sensitivity	0.00%
Overlap Pred Count	0.00
Overlap Ann Count	0.00
Overlap Specificity	0.00%
Overlap Sensitivity	0.00%
Overlap 80p Pred Count	0.00
Overlap 80p Ann Count	0.00
Overlap 80p Specificity	0.00%
Overlap 80p Sensitivity	0.00%

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Splice 5 Pred Count	0.00
Splice 5 Ann Count	0.00
Splice 5 Specificity	0.00%
Splice 5 Sensitivity	0.00%
Splice 3 Pred Count	0.00
Splice 3 Ann Count	0.00
Splice 3 Specificity	0.00%
Splice 3 Sensitivity	0.00%
Internal	
Count	4613.00
Ann Count	2723.00
Average Length	173.35
Total Length	799651.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	1373.00
Correct Ann Count	1381.00
Correct Specificity	29.76%
Correct Sensitivity	50.72%
Overlap Pred Count	1736.00
Overlap Ann Count	1938.00
Overlap Specificity	37.63%
Overlap Sensitivity	71.17%
Overlap 80p Pred Count	1525.00
Overlap 80p Ann Count	1593.00
Overlap 80p Specificity	33.06%
Overlap 80p Sensitivity	58.50%
Splice 5 Pred Count	1522.00
Splice 5 Ann Count	1629.00
Splice 5 Specificity	32.99%
Splice 5 Sensitivity	59.82%
Splice 3 Pred Count	1544.00
Splice 3 Ann Count	1625.00
Splice 3 Specificity	33.47%
Splice 3 Sensitivity	59.68%
Terminal	
Count	0.00
Ann Count	0.00
Average Length	0.00
Total Length	0.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00
Correct Specificity	0.00%
Correct Sensitivity	0.00%
Overlap Pred Count	0.00
Overlap Ann Count	0.00
Overlap Specificity	0.00%
Overlap Sensitivity	0.00%
Overlap 80p Pred Count	0.00
Overlap 80p Ann Count	0.00
Overlap 80p Specificity	0.00%
Overlap 80p Sensitivity	0.00%
Splice 5 Pred Count	0.00
Splice 5 Ann Count	0.00
Splice 5 Specificity	0.00%
Splice 5 Sensitivity	0.00%
Splice 3 Pred Count	0.00
Splice 3 Ann Count	0.00
Splice 3 Specificity	0.00%
Splice 3 Sensitivity	0.00%

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Single	
Count	206.00
Ann Count	59.00
Average Length	561.54
Total Length	115677.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	13.00
Correct Ann Count	13.00
Correct Specificity	6.31%
Correct Sensitivity	22.03%
Overlap Pred Count	19.00
Overlap Ann Count	53.00
Overlap Specificity	9.22%
Overlap Sensitivity	89.83%
Overlap 80p Pred Count	16.00
Overlap 80p Ann Count	32.00
Overlap 80p Specificity	7.77%
Overlap 80p Sensitivity	54.24%
Splice 5 Pred Count	14.00
Splice 5 Ann Count	30.00
Splice 5 Specificity	6.80%
Splice 5 Sensitivity	50.85%
Splice 3 Pred Count	18.00
Splice 3 Ann Count	27.00
Splice 3 Specificity	8.74%
Splice 3 Sensitivity	45.76%
Intron	
Count	3430.00
Ann Count	2364.00
Average Length	3649.43
Total Length	12517530.00
Average Score	0.00
Total Score	0.00
Correct Pred Count	1118.00
Correct Ann Count	1126.00
Correct Specificity	32.59%
Correct Sensitivity	47.63%
Overlap Pred Count	1872.00
Overlap Ann Count	2130.00
Overlap Specificity	54.58%
Overlap Sensitivity	90.10%
Overlap 80p Pred Count	1214.00
Overlap 80p Ann Count	1269.00
Overlap 80p Specificity	35.39%
Overlap 80p Sensitivity	53.68%
Splice 5 Pred Count	1399.00
Splice 5 Ann Count	1514.00
Splice 5 Specificity	40.79%
Splice 5 Sensitivity	64.04%
Splice 3 Pred Count	1405.00
Splice 3 Ann Count	1506.00
Splice 3 Specificity	40.96%
Splice 3 Sensitivity	63.71%
Nuc	
All	
Count	915328.00
Ann Count	487140.00
Correct Pred Count	339893.00
Correct Ann Count	373575.00
Correct Specificity	37.13%
Correct Sensitivity	76.69%

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Initial	
Count	0.00
Ann Count	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00
Correct Specificity	0.00%
Correct Sensitivity	0.00%
Internal	
Count	799651.00
Ann Count	434561.00
Correct Pred Count	321703.00
Correct Ann Count	330586.00
Correct Specificity	40.23%
Correct Sensitivity	76.07%
Terminal	
Count	0.00
Ann Count	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00
Correct Specificity	0.00%
Correct Sensitivity	0.00%
Single	
Count	115677.00
Ann Count	52579.00
Correct Pred Count	18190.00
Correct Ann Count	42989.00
Correct Specificity	15.72%
Correct Sensitivity	81.76%
Intron	
Count	12517530.00
Ann Count	9663479.00
Correct Pred Count	4774329.00
Correct Ann Count	5776123.00
Correct Specificity	38.14%
Correct Sensitivity	59.77%
Signal	
Splice Acceptor	
Count	4613.00
Ann Count	2723.00
Correct Pred Count	1522.00
Correct Ann Count	1629.00
Correct Specificity	32.99%
Correct Sensitivity	59.82%
Splice Donor	
Count	4613.00
Ann Count	2723.00
Correct Pred Count	1544.00
Correct Ann Count	1625.00
Correct Specificity	33.47%
Correct Sensitivity	59.68%
Start Codon	
Count	0.00
Ann Count	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00
Correct Specificity	0.00%
Correct Sensitivity	0.00%
Stop Codon	
Count	0.00
Ann Count	0.00
Correct Pred Count	0.00
Correct Ann Count	0.00

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Correct Specificity	0.00%
Correct Sensitivity	0.00%
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