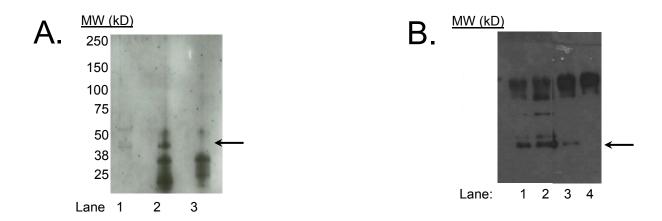
## **ENCODE DCC Antibody Validation Document**

Date of Submission					
Name: Email:					
Lab					
Lab					
Antibody Name: Target:					
Company/					
Source:					
Catalog Number, database ID, laboratory  Lot Number					
Antibody					
Description:					
Target					
Target Description:					
Species Toyant Species Hest					
Species Target Species Host					
Validation Method #1 Validation Method #2					
Purification Polyclonal/					
Method Monoclonal					
Vicilia IIDI					
Vendor URL:					
eference (PI/					
ublication					
formation)					
ease complete the following for antibodies to histone modifications:					
your specifications are not listed in the drop-down box,					
ease write-in the appropriate information					
istone Name AA modified AA Position Modification					
istone ivalile   AA modified   AA Fosition   Iviodification					

Validation #1 Analysis						
Insert Validation Image (click here)						

## sc-1694 (c-Jun) Immunoprecipitation



**A.** Immunoprecipitation of c-Jun from K562 cells using sc-1694. Lane 1: input nuclear lysate, Lane 2: material immunoprecipitated with sc-1694, Lane 3: material immunoprecipitated using control IgG. **B.** Immunoprecipitation of c-Jun from HeLa S3 cells using sc-1694. Lanes 1-2; material immunoprecipitated with sc-1694, lanes 3-4: material immunoprecipitated using control IgG. 1ug of antibody was used for immunoprecipitations in lanes 1 and 3, 2ug in lanes 2 and 4.

Validation #2 Analysis							
Insert Validation Image (Click here)							
sere vandacion n	mage (energial)						

- **Table 1.** c-Jun motif enrichment.

Cell Line	Motif Enrichment (log2)	Enrichment p-value (-log10)	Fraction of peaks containing motif
H1-hESC	2.1343 (AP-1_known2)	61.5585 (AP-1_known3)	0.36747 (AP-1_known2)
HeLa S3	2.49159 (AP-1_known2)	1447.53 (AP-1_known1)	0.589381 (AP-1_known2)
HUVEC	2.47206 (AP-1_known2)	1726.43 (AP-1_known1)	0.546169 (AP-1_known2)
K562	2.63146 (AP-1_known2)	684.812 (AP-1_known1)	0.586961 (AP-1_known2)
K562 (IFN $\alpha$ - 6hrs)	2.50294 (AP-1_known2)	388.382 (AP-1_known1)	0.565164 (AP-1_known2)
K562 (IFNγ- 30 min)	2.3547 (AP-1_known2)	532.138 (AP-1_known1)	0.541051 (AP-1_known2)
K562 (IFNγ- 6hrs)	2.37234 (AP-1_known2)	406.571 (AP-1_known1)	0.585404 (AP-1_known2)

Figure 2. Motif consensus sequences and position weight matrices for highly enriched c-Jun motif.

## AP1 known1 AP1 known2 AP1 known3 >AP-1 known1 AP-1 transfac M00173 + >AP-1\_known2 AP1\_jaspar\_MA0099.2 + >AP-1 known3 AP-1 transfac M00926 -Position/ G I G G Т Consensus R 0.428571 0.071429 0.500000 0.000000 T 0.000000 0.055556 0.000000 0.944444 V 0.403361 0.252101 0.243697 0.100840 V 0.214286 0.357143 0.428571 0.000000 K 0.000000 0.000000 0.833333 0.166667 T 0.000000 0.000000 0.008403 0.991597 T 0.000000 0.000000 0.000000 1.000000 A 0.888889 0.111111 0.000000 0.000000 G 0.016807 0.008403 0.941177 0.033613 G 0.000000 0.000000 1.000000 0.000000 M 0.277778 0.666666 0.055556 0.000000 A 0.991597 0.000000 0.008403 0.000000 A 1.000000 0.000000 0.000000 0.000000 W 0.166667 0.000000 0.055556 0.777777 C 0.084034 0.722689 0.142857 0.050420 C 0.000000 0.928571 0.000000 0.071429 S 0.000000 0.833333 0.166667 0.000000 T 0.142857 0.109244 0.109244 0.638655 T 0.142857 0.071429 0.142857 0.642857 A 0.888888 0.000000 0.055556 0.055556 H 0.184874 0.546218 0.042017 0.226891 M 0.285714 0.428571 0.142857 0.142857 A 0.714285 0.159664 0.058824 0.067227

M 0.571428 0.285714 0.071429 0.071429 K 0.142857 0.142857 0.500000 0.214286 W 0.428571 0.071429 0.071429 0.428571