

TeraGenomics

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Chip Metadata: BL6: 4-1 + 4-2 hypothalamus

 General Information

Scientist	Hovatta, Iris		
Project(s)	Publications Mouse Brain and Body Map	Laboratory	Salk-Barlow laboratory
Chip Type	MG_U74Av2	Chip Lot #	2001938
Chip Exp Date	1/9/2004	Sample ID	BL6: 4-1 + 4-2 hypothalamus
Sample Pooling	Sample is pooled, with 2 Identical Individuals.	Absolute Analysis Type(s)	Lockhart-Barlow

 Sample Information

Sample Pooled Ratio	1		
Genus, Species, Subspecies/Strain	Mus » musculus » Inbred » Jackson Labs » C57BL/6J		
Sex	Male		
Birth Date	Unknown	Sample Collection Date	Unknown
Age/Stage	56 Days		
Genotype	Wild Type		
Trait / Disease	Within Normal Limits		
Treatment / Handling / Exposure			

 RNA Information

Sample RNA Origin	<p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » dorsal hypothalamic area [DH] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » ANTERIOR HYPOTHALAMIC REGION [AHR] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>NA</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » arcuate nucleus of hypothalamus [Arch] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » dorsomedial nucleus of hypothalamus [DMH] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » INTERMEDIATE HYPOTHALAMIC REGION [IHR] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » retrochiasmatic area [RCh] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » HYPOTHALAMUS [Hy] » ventromedial nucleus of hypothalamus [VMH] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » LATERAL HYPOTHALAMIC AREA [LH] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » medial forebrain bundle [mfb] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p> <p>Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » DIENCEPHALON [DiE] » POSTERIOR HYPOTHALAMIC REGION [PHR] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » 0 to -3.25</p>		
RNA Extraction Date	2/19/2002	RNA Type	Total RNA
Total RNA Yield	19.1 µg	RNA Conc. Water	1.3 µg/µl
RNA 260/280 in TE	2.05	Date Labeling Complete	4/5/2002
RNA Amp Method	Barlow Lab Protocol	Amp Rounds	1 Round
Starting RNA Quantity	10 µg	cRNA Yield	110 µg/µl
cRNA Conc. In Hyb	0.06 µg/µl		

Hybridization Information

Hyb Method	Rotated - 13rpm	Hyb Vol in Chip	Full
Hyb Temp	50° C	Hyb Time	16 hours
Hyb Date	4/18/2002	No. of Times Hybridized	1

 Washes, Stains & Antibodies

Wash Station	Megawasher	Wash 1 (cycle x mix-wash)	5x3 6xSSPE-T
Hi Strin Wash	0.1xMES	Hi Strin Temp	45° C
Hi Strin Time (min)	30 min	Stain 1	SAPE
Stain 1 Temp	37° C	Stain 1 Time (min)	15 min
Wash 2 (cycle x mix-wash)	5x3 6xSSPE-T	Antibody	Yes
Antibody Temp	37° C	Antibody Time (min)	30
Wash 3 (cycle x mix-wash)	5x3 6xSSPE-T	Stain 2	SAPE
Stain 2 Temp	37° C	Stain 2 Time (min)	15 min
Wash 4 (cycle x mix-wash)	5x3 6xSSPE-T		

 Scan Information

Scan Buffer	1xMES	Scanner ID	FGL
Scan Criteria	Pixel Size: 3 microns Detection Wavelength: 570 nm Scan Speed: 10 minutes	Number of Scans	1
Scanned Date	4/19/2002		

 Comments

Any .DAT problems with Snow?	None
Any .DAT problems with Scratches?	None
Any .DAT problems with Bubbles?	None
Any .DAT problems with Glue?	None
Any .DAT problems with Bright Spots?	None
Any .DAT problems with Dark Spots?	None
Any other .DAT image problems?	None
Were there problems with the experiment?	None
General Comments	None

 Barlow-Lockhart Absolute Chip Summary Information

ProbeSet Count	12488	Filtered PS Count	12422
Background Avg	98.46	Background SD	4.23
Num Outliers	149	Raw Q	2.91
Scaling Factor	1.14	Scaling Target Value	200
Actin (3'/5')	1.72	Gapdh (3'/5')	0.92
Percent P	54.32%	Percent M	6.29%
Percent RP	0.47%		

 Associated Media

Barlowlab 1rnd protocol (tissue)	Adobe PDF File (pdf)	View File
Hypothalamus Dissection (PDF)	Adobe PDF File (pdf)	View File