

TeraGenomics

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Chip Metadata: 129:23-4,5,6 amygdala

General Information

Scientist	Tynan, Wendy		
Project(s)	Publications Mouse Brain and Body Map	Laboratory	Barlow Laboratory
Chip Type	MG_U74Av2	Chip Lot #	3001107
Chip Exp Date	2/24/2004	Sample ID	129:23-4,5,6 amygdala
Sample Pooling	Sample is pooled, with 3 Identical Individuals.	Absolute Analysis Type(s)	Lockhart-Barlow

Sample Information

Sample Pooled Ratio	1		
Genus, Species, Subspecies/Strain	Mus » musculus » Inbred » Taconic » 129S6/SvEvTac		
Sex	Male		
Birth Date	5/12/2003	Sample Collection Date	7/8/2003
Age/Stage	57 Days		
Genotype	WildType		
Trait / Disease	Within Normal Limits		
Treatment / Handling / Exposure			

RNA Information

Sample RNA Origin	Tissue » Microscopic Dissection » Hand Dissection » BRAIN » FOREBRAIN [FB] » TELENCEPHALON [Tel] » BASAL GANGLIA [BG] » AMYGDALA [Amg] » left and right » Y: Anterior-Posterior from (Bregma or Intra-aural) » -1 to -2.75		
RNA Extraction Date	7/17/2003	RNA Type	Total RNA
Total RNA Yield	39.8 µg	RNA Conc. Water	0.796 µg/µl
RNA 260/280 in TE	2.03	Date Labeling Complete	7/22/2003
RNA Amp Method	Barlow Lab Protocol	Amp Rounds	1 Round
Starting RNA Quantity	10 µg	cRNA Yield	102 µg/µl
cRNA Conc. In Hyb	0.07 µg/µl		

Hybridization Information

Hyb Method	Rotated - 13rpm	Hyb Vol in Chip	Full
Hyb Temp	50° C	Hyb Time	16 hours
Hyb Date	7/30/2003	No. of Times Hybridized	2

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	GeneArray Scanner 2500
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Scan Criteria	Pixel Size: 3 microns Detection Wavelength: 570 nm Scan Speed: 10 minutes	Number of Scans	1
Scanned Date	7/31/2003		

 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	conc of cRNA in hyb is 0.07ug/ul this chip was the rehyb of WT03072210 which had a glue streak on chip

 Barlow-Lockhart Absolute Chip Summary Information

ProbeSet Count	12488	Filtered PS Count	12422
Background Avg	94.12	Background SD	2.85
Num Outliers	106	Raw Q	3.82
Scaling Factor	0.98	Scaling Target Value	200
Actin (3'/5')	1.57	Gapdh (3'/5')	0.93
Percent P	50.83%	Percent M	6.29%
Percent RP	0.68%		

 Associated Media

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