

## CapitalBio Microarray Platforms: research publications to October 2011

The publications below illustrate the high quality peer reviewed research undertaken using the CapitalBio Microarray Platform: different microarray applications were printed with a SmartArrayer 136 microarrayer spotter, arrays were then hybridized in the active BioMixer II hybridizer and then signals were detected and analyzed using the LuxScan 10K-A scanner and LuxScan 3.0 software. All spotting and hybridization solutions were developed and manufactured by CapitalBio. CapitalBio uses human, mouse and rat whole genome oligonucleotide libraries to manufacture mRNA profiling microarrays on our slide substrates. For the customized microarrays, we design specific oligonucleotides for printing onto our array substrates. Publications resulting from clients using our Affymetrix platform service are also listed below. CapitalBio has also recently initiated Roche-Nimblegen services, Agilent services and Sequenom services. Copies of publications are available upon request (please use the appropriate pdf code).

## CAPITALBIO MICROARRAY SERVICES

■ Impact factor >10		■ Impact Factor >5-10		□ Impact Factor <5		
2011	Type	Agilent Platform	Source	Journal	Impact factor	Pdf code
Agilent	Rabbit expression chip	Chen, S., et al., Gene Expression Patterns in Different Wool Densities of Rex Rabbit Using cDNA Microarray.	河北农业大学	Agricultural Sciences in China, 2011, 10(4): 595-601	N/A	2011-50
<b>2011</b>		<b>Nimblegen Platform</b>				
NimbleGen	Rat expression chip	Whang, Y. et al., The differential effects of aligned electrospun PHBHHx fibers on adipogenic and osteogenic potential of MSCs through the regulation of PPAR $\gamma$ signaling.	清华大学	Biomaterials, 2011, online.	7.882	2011-124
NimbleGen	Rice CGH chip	Yu, P., et al., Detection of copy number variations in rice using array-based comparative genomic hybridization.	中国水稻研究所	BMC Genomics, 2011, 12(1): 372.	4.206	2011-95
NimbleGen	Mouse expression chip	Zhang, W., et al., Cdk1 is required for the self-renewal of mouse embryonic stem cells.	首都师范大学	Journal of Cellular Biochemistry, 2011, 112(3): 942-948	2.935	2011-33
<b>2011</b>		<b>Sequenom Platform</b>				
Sequenom	Sequenom-DNA Methylation	Zhang, Z. et al., MiR-185 Targets the DNA Methyltransferases 1 and Regulates Global DNA Methylation in human glioma.	西南大学	Molecular Cancer, 2011, 10(1): 124.	3.779	2011-121
Sequenom	Sequenom-DNA Methylation	Guo, X. et al., Epigenetic mechanisms of amyloid- $\beta$ production in anisomycin-treated SH-SY5Y cells.	首都医科大学	Neuroscience, 2011, Online	3.215	2011-103
Sequenom	Sequenom-SNP	Yeung, S., et al., P1-4 ALDH3 is a valid instrument for mendelian randomisation studies in alcohol epidemiology—the Guangzhou Biobank Cohort Study.	香港大学	Journal of Epidemiology and Community Health, 2011, 65: A69.	2.983	2011-94
Sequenom	Sequenom-DNA Metylation	Zhao, A., et al., Promoter hypomethylation of COMT in human placenta is not associated with the development of pre-eclampsia.	复旦大学生物医学研究院	Molecular human reproduction, 2011, 17: 199-206.	3.005	2011-4
<b>2010</b>		<b>Sequenom Platform</b>				
Sequenom	Sequenom-SNP	Liang, Z., et al., Gestational diabetes mellitus screening based on the gene chip technique.	浙江大学	Diabetes Research and Clinical Practice, 2010, on line.	1.888	2010-28
Sequenom	Sequenom-DNA Metylation	Wang, L., et al., Relation between hypomethylation of long interspersed nucleotide elements and risk of neural tube defects.	首都儿研所	American Journal of Clinical Nutrition, 2010, 91: 1359-1367.	6.740	2010-21

2011	Type	CapitalBio Platform	Source	Journal	Impact factor	Pdf code
CapitalBio	Man/ rodent miRNA chip	Qin, W. et al., MicroRNA-133b is a key promoter of cervical carcinoma development through the activation of the ERK and AKT1 pathways	Tsinghua University	OncoGene 2011, in press	7.414	

CapitalBio	Human miRNA & gene expression chips	Yao, T. et al., MiR-21 is involved in cervical squamous cell tumorigenesis and regulates CCL20.	中山大学	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 2011, online.	5.211	2011-125
CapitalBio	ChIP-DSL	Zhang, Q. et al., Inhibited expression of hematopoietic progenitor kinase 1 associated with loss of jumonji domain containing 3 promoter binding contributes to autoimmunity in systemic lupus erythematosus.	中南大学, 湘雅二医	Journal of Autoimmunity, 2011, online.	8.136	2011-123
CapitalBio	Deafness mutation chip	Chen, Y. et al., Genetic mutations in non-syndromic deafness patients of uyghur and han chinese ethnicities in xinjiang, China: a comparative study.	新疆医科大学第一附属医院	Journal of Translational Medicine, 2011, 9(1):154.	3.508	2011-119
CapitalBio	HLA mutations	Xie, Y. et al., Association between HLA-DRB1 and myasthenia gravis in a northern Han Chinese population.	首都医科大学	Journal of Clinical Neuroscience, 2011, online	1.165	2011-113
CapitalBio	Human miRNA & gene expression chips	Wang, J. et al., Microarray profiling of monocytic differentiation reveals miRNA-mRNA intrinsic correlation	清华大学医	J. Cell Biochem. 2011, 112(9), 2443-2453	3.122	
CapitalBio	Human expression chip	Zhou, Z. et al., Lysosome-associated membrane glycoprotein 3 is involved in influenza A virus replication in human lung epithelial (A549) cells.	中国医学科学院北京协和医学院	Virology Journal, 2011,8(1): 384.	2.546	2011-112
CapitalBio	Plant miRNA chip	Zhang, J. et al., Identification of miRNAs and Their Target Genes Using Deep Sequencing and Degradome Analysis in Trifoliolate Orange [Poncirus trifoliolate (L.) Raf].	华中农业大学	Molecular Biotechnology, 2011, online.	2.091	2011-110
CapitalBio	Mammal miRNA chip	Tan, X. et al., A Five-microRNA Signature for Squamous Cell Lung Carcinoma (SCC) Diagnosis and Hsa-miR-31 for SCC Prognosis.	清华大学医	Clinical Cancer Research, 2011, online	7.338	2011-106
CapitalBio	Mouse expression chip	Li, F. et al., Effects of high-fat diet and regular aerobic exercise on global gene expression in skeletal muscle of C57BL/6 mice.	天津医科大学	Metabolism-clinical and Experimental, 2011, Online	2.538	2011-104
CapitalBio	ChIP-DSL	Shen, L. et al., Exploration of target genes of HOXA13 in esophageal squamous cell carcinoma cell line.	中国医学科学院肿瘤医院	Cancer Letters, 2011, Online	4.864	2011-102
CapitalBio	Human expression chip	Yang, M., et al., Side population cells isolated from human osteosarcoma are enriched with tumor-initiating cells.	第四军医大学西京医院	Cancer Science, 2011, Online	3.846	2011-100
CapitalBio	Antibody array chip	Xu, X., et al., Development and application of antibody microarray for white spot syndrome virus detection in shrimp.	待定	Chinese Journal of Oceanology & Limnology, 2011, 29(5): 930-941.	0.325	2011-96
CapitalBio	Human expression chip/ Transcription factor chip	Zou, L., et al., Aurora-A Interacts with AP-2a and Down Regulates Its Transcription Activity.	中国医学科学院北京协和医	PLoS ONE 6(8): e23110.	4.411	2011-93
CapitalBio	Arabidopsis expression chip	Li, A., et al., Gene expression profiles of two intraspecific Larix lines and their reciprocal hybrids.	南开大学	Molecular Biology Reports, 2011, online	2.038	2011-89
CapitalBio	Arabidopsis expression chip	Zhao, S., et al., Cytokinin antagonizes ABA-suppression to seed germination of Arabidopsis by down-regulating ABI5 expression.	武汉大学	The Plant Journal, 2011, online.	6.948	2011-90
CapitalBio	Human expression chip	Su, L., et al., Safrole oxide induces human umbilical vein endothelial cell trans-differentiation to 5-hydroxytryptaminergic neuron-like cells through tropomyosin receptor kinase A/cyclooxygenase 2/nuclear factor-kappa B/interleukin 8 signaling.	山东大学	The International Journal of Biochemistry & Cell Biology, 2011, online.	4.956	2011-86
CapitalBio	Tomato TOM2 chip	Yang, C., et al., A regulatory gene induces trichome formation and embryo lethality in tomato.	华中农业大学	Proceedings of the National Academy of Sciences, 2011, 108: 11836 - 11841.	9.771	2011-83
CapitalBio	Silkworm expression chip	Wang, Y., et al., Gene Expression Analysis from Phoxim-induced Domesticated Silkworm (Bombyx mori) by Whole-Genome Oligonucleotide Microarray.	苏州大学	Pesticide Biochemistry and Physiology, 2011, online.	1.503	2011-84
CapitalBio	Custom Blue crab expr/n chip	Xu, Q., et al., Gene expression profiles of the swimming crab Portunus trituberculatus exposed to salinity stress.	上海海洋大学	Marine Biology, 2011,online	1.999	2011-78

CapitalBio	Mammal miRNA chip	Chen, H., et al., Mir-34a Is Upregulated during Liver Regeneration in Rats and Is Associated with the Suppression of Hepatocyte Proliferation.	第二军医大学	PLoS ONE, 2011, 6(5): e20238.	4.351	2011-79
CapitalBio	Plant miRNA chip	Jin, W., et al., Microarray-based Analysis of Tomato miRNA Regulated by Botrytis cinerea.	西北农林科技大学	Journal of Plant Growth Regulation, 2011, Online	2.438	2011-74
CapitalBio	Human expression chip	Lin, W., et al., Genetic and epigenetic X-chromosome variations in a parthenogenetic human embryonic stem cell line.	中山大学附属第三医院 北京生命科学研究所	Journal of Assisted Reproduction and Genetics, 2011, 28(4): 303-313.	1.359	2011-75
CapitalBio	Mammal miRNA chip	Yan, C., et al., MicroRNA regulation associated chondrogenesis of mouse MSCs grown on polyhydroxyalkanoates.	清华大学	Biomaterials, 2011, 32(27): 6435-6444.	7.365	2011-71
CapitalBio	Mouse expression chip	Yan, X., et al., Fascaplysin exert anti-tumor effects through apoptotic and anti-angiogenesis pathways in sarcoma mice model.	宁波大学	European Journal of Pharmaceutical Sciences, 2011, 43(4):251-259.	2.608	2011-69
CapitalBio	Rat expression chip	Fan, X., et al., Transcriptional profiling analysis of HMP-treated rats with experimentally induced myocardial infarction.	清华大学	Journal of Ethnopharmacology, 2011, online	2.322	2011-66
CapitalBio	Human expression chip	Li, P., et al., A fine balance between CCNL1 and TIMP1 contributes to the development of breast cancer cells.	吉林大学	Biochemical and Biophysical Research Communications, 2011, 409(2):344-349.	2.548	2011-67
CapitalBio	Silkworm expression chip	Gan, L., et al., Microarray-based gene expression profiles of silkworm brains.	西南大学	BMC Neuroscience, 2011, 12(1): 8	2.744	2011-60
CapitalBio	Human expression chip /miRNA chip	Li, R., et al., MicroRNA array and microarray evaluation of endometrial receptivity in patients with high serum progesterone levels on the day of hCG administration	北京大学第三医院	Reproductive Biology and Endocrinology, 2011,9(1):29	2.077	2011-61
CapitalBio	Human expression chip /miRNA chip	Wang, J., et al., Microarray profiling of monocytic differentiation reveals miRNA-mRNA intrinsic correlation.	清华大学/生物芯片北京国家研究中心	Journal of Cellular Biochemistry, 2011,Online	2.935	2011-62
CapitalBio	Human expression chip	Zhang, T., et al., Microvascular endothelial cells play potential immunoregulatory roles in the immune response to foot-and-mouth disease vaccines.	北京农学院	Cell Biochemistry and Function, 2011,online	1.515	2011-63
CapitalBio	Human expression chip /miRNA chip	Guo, H., et al., MicroRNAs-372/373 promote the expression of hepatitis B Virus through the targeting of nuclear factor I/B.	清华大学/生物芯片北京国家研究中心	Hepatology, 2011, Online	10.840	2011-64
CapitalBio	Mammal miRNA chip	Yang, C., et al., The miRNA expression profile of the uveal melanoma.	北京同仁医院	Science China Life Sciences, 2011, 54(4):351-358	0.691	2011-53
CapitalBio	Human expression chip	Li, Y., et al., Latexin expression is downregulated in human gastric carcinomas and exhibits tumor suppressor potential	北京大学肿瘤医院	BMC Cancer, 2011, 11(1): 121	2.736	2011-56
CapitalBio	Human expression chip	Zhang, Y., et al., miR-125b Is Methylated and Functions as a Tumor Suppressor by Regulating the ETS1 Proto-oncogene in Human Invasive Breast Cancer	中山大学	Cancer Research,2011, 71: 3552-3562	7.543	2011-41
CapitalBio	Mouse expression chip	Yan, X., et al., Fascaplysin exert anti-tumor effects through apoptotic and anti-angiogenesis pathways in sarcoma mice model.	宁波大学	European Journal of Pharmaceutical Sciences, 2011, 43(4): 251-259.	2.608	2011-46
CapitalBio	Custom Salvia miltiorrhiza cDNA chip	Cui, G., et al., Candidate genes involved in tanshinone biosynthesis in hairy roots of Salvia miltiorrhiza revealed by cDNA microarray.	中国中医科学院	Molecular Biology Reports, 2011, 38(4): 2471-2478	2.038	2011-47
CapitalBio	Human expression chip	Yan, L., et al., Knockdown of miR-21 in human breast cancer cell lines inhibits proliferation, in vitro migration and in vivo tumor growth.	中山大学	Breast Cancer Research, 2011, 13(1):R2	5.326	2011-48
CapitalBio	Custom Human expression chip	Chen, Y., et al., cDNA microarray analysis and immunohistochemistry reveal a distinct molecular phenotype in serous endometrial cancer compared to endometrioid endometrial cancer.	北京大学人民医院	Experimental and Molecular Pathology, 2011, 91(1):373-384.	2.056	2011-49
CapitalBio	Custom Human expression	Zhao, M., et al., Global expression profile of silkworm genes from larval to pupal stages: Toward a comprehensive understanding of	西南大学生物技术学院	Insect Science, 2011, on line	1.118	2011-34

	chip	sexual differences.				
CapitalBio	Candida albicans expression chip	Liang, R., et al., 2-Amino-nonyl-6-methoxyl-tetralin muriate activity against Candida albicans augments endogenous reactive oxygen species production – a microarray analysis study.	第二军医大	FEBS Journal, 2011, 278(7): 1075-1085	3.042	2011-27
CapitalBio	Mammal miRNA chip	Meng, X., et al., MicroRNA expression alteration after arsenic trioxide treatment in HepG-2 cells.	哈尔滨医科大学第一附属医院	Journal of Gastroenterology and Hepatology, 2011, 26(1):186-193	2.317	2011-28
CapitalBio	Mammal miRNA chip	Gao, J., et al., MicroRNA expression during osteogenic differentiation of human multipotent mesenchymal stromal cells from bone marrow.	第四军医大学唐都医院	Journal of Cellular Biochemistry, 2011, on line	2.935	2011-29
CapitalBio	HLA polymorphism	Hu, F., et al., Pilot association study of oxcarbazepine-induced mild cutaneous adverse reactions with HLA-B*1502 allele in Chinese Han population.	四川大学华西医院	Seizure, 2011, 20(2):160-162	2.233	2011-25
CapitalBio	Human expression chip	Wang, Y., et al., Early proliferation alteration and differential gene expression in human periodontal ligament cells subjected to cyclic tensile stress.	四川大学华西医院	Archives of Oral Biology, 2011, 56(2):177-186.	1.649	2011-21
CapitalBio	Mammal miRNA chip	Bai, H., et al., Involvement of miR-21 in resistance to daunorubicin by regulating PTEN expression in the leukaemia K562 cell line.	上海交通大学附属第一人民医院	FEBS Letters, 2011, 585(2):402-408	3.541	2011-22
CapitalBio	Human expression chip	Geng, S., et al., Isolation and identification of a distinct side population cancer cells in the human epidermal squamous cancer cell line A431.	西安交通大学	Archives of Dermatological Research, 2011, on line	1.844	2011-11
CapitalBio	miRNA chip	Rao, Q., et al., Aberrant microRNA expression in human cervical carcinomas.	中山大学附属二院	Medical Oncology, 2011, on line	1.227	2011-12
CapitalBio	Mouse expression chip	Sun, Z., et al., Fluoride-induced apoptosis and gene expression profiling in mice sperm in vivo.	山西农业大学	Archives of Toxicology, 2011, on line	3.312	2011-13
CapitalBio	Mammal miRNA chip	Cao, Y., et al., MicroRNA-dependent regulation of PTEN after arsenic trioxide treatment in bladder cancer cell line T24.	哈尔滨医科大学第一附属医院	Tumor Biology, 2011, 32(1):179-188	1.940	2011-14
CapitalBio	Custom miRNA chip	Liu, Z., et al., Small ncRNA expression and regulation under hypoxia in neural progenitor cells.	军事医学科学院基础医学研究所	Cellular and Molecular Neurobiology, 2011,31(1):1-5	2.107	2011-15
CapitalBio	Mammal miRNA chip	Wang, C., et al., MiR-29b regulates migration of human breast cancer cells.	南京大学	Molecular and Cellular Biochemistry, 2011, on line	1.896	2011-17
CapitalBio	Mammal miRNA chip	Li, M., et al., Role of microRNA-214–targeting phosphatase and tensin homolog in advanced glycation end product-induced apoptosis delay in monocytes.	南京大学	Journal of immunology, 2011, 186:2552-2560.	5.179	2011-6
CapitalBio	Arabidopsis expression chip	Zhang, Z., et al., Arabidopsis floral initiator SKB1 confers high salt tolerance by regulating transcription and pre-mRNA splicing through altering histone H4R3 and small nuclear ribonucleoprotein LSM4 methylation.	中国科学院遗传与发育生物学研究所	Plant Cell, 2011, 23:396-411.	9.293	2011-7
CapitalBio	Silkworm expression chip	Wu, P., et al., Microarray analysis of the gene expression profile in the midgut of silkworm infected with cytoplasmic polyhedrosis virus.	江苏科技大学	Molecular Biology Reports, 2011, 38(1):333-341	2.038	2011-8
CapitalBio	Mammal miRNA chip	Wang, M., et al., Differential expression of oncogenic miRNAs in proliferating and senescent human fibroblasts.	北京师范大学	Molecular and Cellular Biochemistry, 2011, on line	1.896	2011-9
CapitalBio	Human expression chip	Wang, K., et al., A microarray-based approach identifies ADP ribosylation factor-like protein 2 as a target of microRNA-16.	南京大学	Journal of Biological Chemistry, 2011, 286:9468-9476.	5.328	2011-1
CapitalBio	miRNA chip/ Q-RT-PCR	Zhang, X., et al., Combination of hsa-miR-375 and hsa-miR-142-5p as a predictor for recurrence risk in gastric cancer patients following surgical resection.	北京大学肿瘤医院	Annals of Oncology, 2011, on line.	5.647	2011-2
CapitalBio	Rat expression chip	Whang, N., et al., Hnrnpk, a protein differentially expressed in immature rat ovarian development, is required for normal primordial follicle assembly and development.	南京医科大学	Endocrinology, 2011, 152:1024-1035.	4.752	2011-3



2010	Type	CapitalBio Platform	Source	Journal	Impact factor	Pdf code
CapitalBio	Human expression chip	Yao, Y., et al., Molecular classification of human endometrial cancer based on gene expression profiles from specialized microarrays.	北京大学人民医院	International Journal of Gynecology and Obstetrics, 2010, 110: 125-129.	1.408	2010-40
CapitalBio	miRNA chip	Ma, Y., et al., miR-27a regulates the growth, colony formation and migration of pancreatic cancer cells by targeting Sprouty2.	北京协和医院	Cancer letters, 2010, on line.	3.741	2010-41
CapitalBio	Rat expression chip	Liang, J., et al., Gene expression of conditioned locomotion and context-specific locomotor sensitization controlled by morphine-associated environment.	中科院心理所	Behavioural Brain Research, 2010, on line.	3.220	2010-42
CapitalBio	Custom cotton expression chip	Miao, W., et al., Transcriptome analysis of Hpa1Xoo transformed cotton revealed constitutive expression of genes in multiple holera d pathways related to disease resistance.	南京农业大学	Journal of Experimental Botany, 2010, on line.	4.271	2010-35
CapitalBio	CHIP-DSL	Zu, X., et al., Global mapping of ZBTB7A transcription factor binding sites in HepG2 cells.	清华大学深圳研究生院	Cellular & Molecular Biology Letters, 2010, 15: 260-271.	1.127	2010-37
CapitalBio	E. coli expression chip	Cao, F., et al., An optimized RNA amplification method for prokaryotic expression profiling analysis.	哈尔滨医科大学	Applied Microbiology and Biotechnology, 2010, 87(1): 343-352.	2.896	2010-33
CapitalBio	miRNA chip	Huang, P., et al., Cloning, identification, and expression analysis at the stage of gonadal sex differentiation of chicken miR-363 and 363*.	华中农业大学	Acta Biochimica et Biophysica Sinica, 2010, on line.	1.482	2010-30
CapitalBio	miRNA chip	Liu, X., et al., Systematic identification of microRNA and messenger RNA profiles in hepatitis C virus-infected human hepatoma cells.	中国医学科学院北京协和医学院	Virology, 2010, 398: 57-67.	3.539	2010-23
CapitalBio	miRNA chip	Zhang, L., et al., microRNA-141 is involved in a nasopharyngeal carcinoma-related genes network.	中南大学湘雅三院	Carcinogenesis, 2010, 31(4): 559-566.	4.930	2010-15
CapitalBio	Human expression chip	Guo, L., et al., Gene expression profiling of drug-resistant small cell lung cancer cells by combining microRNA and cDNA expression analysis.	南方医科大学	European Journal of Cancer, 2010, on line.	4.475	2010-16
CapitalBio	Custom plant virus detection chip	Zhang, Y., et al., Oligonucleotide microarray with a minimal number of probes for the detection and identification of thirteen genera of plant viruses.	中国检验检疫科学研究院	Journal of Virological Methods, 2010, on line.	2.077	2010-09
CapitalBio	CHIP-DSL	Tan, J., et al., Genome-wide analysis of Histone H3 Lysine9 modifications in human mesenchymal stem cell osteogenic differentiation.	东北师范大学	PloS one, 2009, 4(8): e6792.	4.351	2010-10
CapitalBio	Human Transcription factor chip	Zhao, M., et al., Epigenetics and SLE: RFX1 downregulation causes CD11a and CD70 overexpression by altering epigenetic modifications in lupus CD4+ T cells.	中南大学湘雅二医院	Journal of Autoimmunity, on line.	7.881	2010-11
CapitalBio	miRNA chip	Zhou, X., et al., Downregulation of miR-21 inhibits EGFR pathway and suppresses the growth of human glioblastoma cells independent of PTEN status.	天津市神经病学研究所	Laboratory Investigation, 2010, 90: 144-155.	4.580	2010-06
CapitalBio	miRNA chip	Du, B., et al., High glucose down-regulates miR-29a to increase collagen IV production in HK-2 cells.	广州中山大学	FEBS Letters, 2010, on line.	3.264	2010-03
2009	Type	CapitalBio Platform	Source	Journal	Impact factor	Pdf code
CapitalBio	Human expression chip	Zhang, D., et al., Sodium ferulate modified gene expression profile of oxidized low-density lipoprotein-stimulated human umbilical vein endothelial cells.	武汉大学	Journal of Cardiovascular Pharmacology and Therapeutics, 2009, 14(4): 302-313.	1.672	2009-43
CapitalBio	Silkworm expression chip	Huang, L., et al., A genome-wide survey for host response of silkworm, <i>Bombyx mori</i> during pathogen <i>Bacillus bombyseptieus</i> infection.	西南大学	PloS one, 2009, 4(12): e8098.	4.351	2009-44
CapitalBio	CHIP-DSL	Wang, Y., et al., LSD1 is a subunit of the NuRD complex and targets the metastasis	北京大学医学部	Cell, 2009, 138(4): 660-672.	31.253	2009-36

		programs in breast cancer.				
CapitalBio	Custom G. rarus expression chip	Wei, Y., et al., Combined effects of polyfluorinated and perfluorinated compounds on primary cultured hepatocytes from rare minnow ( <i>Gobiocypris rarus</i> ) using toxicogenomic analysis.	中科院水生生物研究所	Aquatic Toxicology, 2009, on line	3.517	2009-37
CapitalBio	Custom P. chrysosporium fungal exprn chip	Jiang, M., et al., Gene expression analysis of Phanerochaete chrysosporium during the transition time from primary growth to secondary metabolism.	西南民族大学生命科学与技术学院	The Journal of Microbiology, 2009 47(3): 308-318.	1.385	2009-38
CapitalBio	Custom Silkworm miRNA exprn chip	Liu, S., et al., MicroRNA expression profiling during the life cycle of the silkworm ( <i>Bombyx mori</i> ).	重庆西南大学	BMC Genomics, 2009, on line.	3.926	2009-39
CapitalBio	Custom rice miRNA exprn chip	Jian, X., et al., Identification of novel stress-regulated microRNAs from <i>Oryza sativa</i> L.	中科院遗传与发育生物学研究所	Genomics, 2010, 95(1): 47-55..	3.075	2009-40
CapitalBio	Human expression chip	Luo, et al., Upregulated BclGL expression enhances apoptosis of peripheral blood CD4+ T lymphocytes in patients with systemic lupus erythematosus.	重庆第三军医大学	Clinical Immunology, 2009, 132(3): 349-361.	3.606	2009-31
CapitalBio	miRNA chip	Qian, K., et al., Hsa-miR-222 is involved in differentiation of endometrial stromal cells in vitro.	武汉华中科技大学同济医学院附属同济医院	Endocrinology, 2009, on line.	4.945	2009-32
CapitalBio	CHIP-DSL	Li, R., et al., ZIP: a novel transcription repressor, represses EGFR oncogene and suppresses breast carcinogenesis.	北京大学医学部	The EMBO Journal, 2009, on line.	8.295	2009-33
CapitalBio	miRNA chip	Lin, Z., et al., miR-23a functions downstream of NFATc3 to regulate cardiac hypertrophy.	中科院动物研究所	Proceedings of the National Academy of Sciences, 2009, 106(29):12103 -12108.	9.380	2009-27
CapitalBio	Candida albicans expression chip	Guo, N., et al., Antifungal activity of thymol against clinical isolates of fluconazole-sensitive and -resistant Candida albicans.	吉林大学畜牧兽医学院	Journal of Medical Microbiology, 2009, 58, 1074-1079.	2.190	2009-28
CapitalBio	miRNA chip	Lei, P., et al., Microarray based analysis of microRNA expression in rat cerebral cortex after traumatic brain injury.	天津医科大学总医院	Brain research, 2009, 1284 (11): 191-201.	2.494	2009-29
CapitalBio	Custom bacteria expression chip	Zhao, L., et al., Comparison of virulence factors and expression of specific genes between uropathogenic Escherichia coli and avian pathogenic E. coli in a murine urinary tract infection model and a chicken challenge model.	扬州大学兽医学院	Microbiology, 2009, 155: 1634 - 1644.	2.841	2009-18
CapitalBio	miRNA chip	Li, S., et al., Differential expression of MicroRNAs in mouse liver under aberrant energy metabolic status.	浙江大学药学院附属第一医院	Journal of Lipid Research, 2009, 50:1756-1765.	4.409	2009-19
CapitalBio	Human expression chip	Wei, Y., et al., Upregulated expression of cardiac ankyrin repeat protein in human failing hearts due to arrhythmogenic right ventricular cardiomyopathy.	阜外医院心血管病研究所	European Journal of Heart Failure, 2009, 11(6): 559-566.	3.398	2009-20
CapitalBio	Human expression chip	Xie, X., et al., Expression of CIITA-related MHCII molecules in tumors linked to prognosis in hepatocellular carcinoma.	北京大学人民医院肝病研究所	International Journal Of Oncology, 2009, 34(3): 681-688.	2.234	2009-21
CapitalBio	Human expression chip	Tang, Y, et al., Up-regulation of the expression of costimulatory molecule CD40 in hepatocytes by hepatitis B virus X antigen.	重庆第三军医大学	Biochemical and Biophysical Research Communications, 2009, 384(1): 12-17.	2.648	2009-22
CapitalBio	Human expression chip	Zhang, Q., et al., Cytotoxicity of navones and navonols to a human esophageal squamous cell carcinoma cell line (KYSE-510) by induction of G2/M arrest and apoptosis.	东北农业大学	Toxicology in Vitro, 2009, 23(5): 797-807.	2.473	2009-23
CapitalBio	Yeast expression chip	Ye, Y., et al., Gaining insight into the response logic of Saccharomyces cerevisiae to heat shock by combining expression profiles with metabolic pathways.	华南理工大学生物科学与工程学院	Biochemical and Biophysical Research Communications, 2009, 385(3):357- 362..	2.648	2009-24
CapitalBio	Custom plant miRNA exprn chip	Xue, L., et al., Characterization and expression profiles of miRNAs in rice seeds.	中科院上海生命科学研究院植物生	Nucleic Acids Research, 2009, 37(3):916-930.	6.878	2009-14

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CapitalBio	Human expression chip	Zhang, X., et al., De novo induction of platelet-specific CD4+CD25+ regulatory T cells from CD4+CD25- cells in patients with idiopathic thrombocytopenic purpura.	山东大学齐鲁医院	Blood, 2009, 113: 2568 - 2577.	10.432	2009-15
CapitalBio	miRNA chip	Lin, T., et al. MicroRNA-143 as a tumor suppressor in bladder cancer.	中山大学附属二院	Journal of Urology, 2009, 181(3): 1372-1380.	3.952	2009-10
CapitalBio	Rodent expression chip	Wang, X., et al., Electroacupuncture induced spinal plasticity is linked to multiple gene expressions in dorsal root deafferented rats.	四川大学华西医院	Journal of Molecular Neuroscience, 2009, 37(2):97-110.	2.061	2009-11
CapitalBio	miRNA chip	Wang, L., et al., Ethanol exposure induces differential microRNA and target gene expression and teratogenic effects which can be suppressed by folic acid supplementation.	北京大学公共卫生学院	Human Reproduction, 2009, 1(1):1-18.	3.773	2009-03
CapitalBio	miRNA chip	Su, H., et al., MicroRNA-101, down-regulated in hepatocellular carcinoma, promotes apoptosis and suppresses tumorigenicity.	中山大学生命科学学院	Cancer Research, 2009, 69(3): 1135 -1142.	7.514	2009-04
CapitalBio	Custom Citrus expression chip	Liu, Q., et al., Transcriptome analysis of a spontaneous mutant in sweet orange [Citrus sinensis (L.) Osbeck] during fruit development.	华中农业大学作物遗传改良国家重点实验室	Journal of Experimental Botany, 2009, 60(3): 801-813.	4.001	2009-05
CapitalBio	微生物定制芯片-表达谱	Li, F., et al., Identification of the immediate-early genes of white spot syndrome virus	国家海洋局第三海洋研究所	Virology, 2009, 385(1):267-274.	3.539	2009-06
CapitalBio	miRNA chip	Chen, X., et al., Role of miR-143 targeting KRAS in colorectal tumorigenesis.	南京大学生科院	Oncogene, 2009, 28(10):1385-1392.	7.216	2009-07
<b>2008</b>	<b>Type</b>	<b>CapitalBio Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
CapitalBio	Custom bacterial expression chip	宦海霞 等, 应用DNA 芯片技术研究体外表达禽致病性大肠杆菌可能致病基因。	扬州大学	微生物学报, 2008, 48(1): 103-111.	N/A	2008-41
CapitalBio	Human expression chip	Kong, B., et al., Microarray-bioinformatics analysis of altered genomic expression profiles between human fetal and infant myocardium.	中国医学科学院中国协和医科大学心血管病研究所	Chinese Medical Journal, 2008, 121(14): 1257-1264.	0.858	2008-42
CapitalBio	Human expression chip	Xu, Q., et al., Identification of differential gene expression profiles of radioresistant lung cancer cell line established by fractionated ionizing radiation in vitro.	哈尔滨医科大学附属肿瘤医院	Chinese Medical Journal, 2008, 121(18): 1830-1837.	0.858	2008-43
CapitalBio	Human expression chip	Zhou, C., et al., Screening of tumor suppressor genes on 1q31.1-32.1 in Chinese patients with sporadic colorectal cancer.	上海交通大学药学院	Chinese Medical Journal, 2008, 121(24): 2479-2486.	0.858	2008-44
CapitalBio	Deafness mutation detection chip	王萃 等, 基因检测在遗传性耳聋中的应用。	吉林大学第一医院	中华健康管理学杂志, 2008, 2(6): 375- 377.	N/A	2008-45
CapitalBio	Deafness mutation detection chip	王国建 等, 基因芯片技术在非综合征性耳聋快速基因诊断中的应用研究。	解放军总医院耳鼻咽喉头颈外科	中华耳科学杂志, 2008,6(1):61-66.	N/A	2008-47
CapitalBio	miRNA chip	杨艳红 等, 小鼠着床前胚胎 miRNA 表达的实验研究。	第四军医大学唐都医院妇产科	生殖医学杂志, 2008, 17(2): 123- 129.	N/A	2008-48
CapitalBio	Yeast expression chip	叶燕锐 等, 酿酒酵母对数生长后期代谢重构的全基因组表达谱芯片分析。	华南理工大学生物科学与工程学院	生物工程学报, 2008, 24(6):962-967.	0.211	2008-38
CapitalBio	Custom Maize expression chip	Liu, J., et al., Microarray analysis reveals early responsive genes possibly involved in localized nitrate stimulation of lateral root development in maize (Zea mays L.).	中国农业大学	Plant Science, 2008, 175 (3): 272-282.	1.974	2008-36
CapitalBio	miRNA chip	Huang, T., et al., Discovery of porcine microRNAs and profiling from skeletal muscle tissues during development.	华中农业大学	PLoS one, 2008, 3(9): e3225.	4.351	2008-25

CapitalBio	Human expression chip	Liu, Y., et al., HSP70 is associated with endothelial activation in placental vascular diseases.	山东大学省立医院	Molecular Medicine, 2008, 14(9-10): 561- 566.	3.411	2008-26
CapitalBio	Long non-coding miRNA expn chip	He, S., et al., MicroRNA-encoding long non-coding RNAs.	中科院生物物理所	BMC Genomics, 2008, 9: 236.	3.926	2008-27
CapitalBio	Human expression chip	Shi, L., et al., The balance of reproducibility, sensitivity, and specificity of lists of differentially expressed genes in microarray studies.	美国食品与药品监督管理局	BMC Bioinformatics, 2008, Suppl 9: S 10.	3.781	2008-28
CapitalBio	Silkworm expression chip	Cheng, T., et al., Identification and analysis of Toll-related genes in the domesticated silkworm, <i>Bombyx mori</i> .	西南大学生命科学院	Developmental and Comparative Immunology, 2008, 32: 464-475.	2.833	2008-30
CapitalBio	Human expression chip	Zhang, Q., et al., Flavones and flavonols exert cytotoxic effects on a human oesophageal adenocarcinoma cell line (OE33) by causing G2/M arrest and inducing apoptosis.	东北农业大学食品科学系	Food and Chemical Toxicology, 2008, 46(6): 2042-2053.	2.321	2008-31
CapitalBio	Human expression chip	Li, Y., et al., Changes in genomic imprinting and gene expression associated with transformation in a model of human osteosarcoma.	重庆第三军医大学	Experimental and Molecular Pathology, 2008, 84: 234-239.	1.930	2008-32
CapitalBio	CHIP-DSL	Tan, J., et al., The genomic landscapes of histone H3-Lys9 modifications of gene promoter regions and expression profiles in human bone marrow mesenchymal stem cells.	东北师范大学	Journal of Genetics and Genomics, 2008, 35: 585-593.	0.358	2008-33
CapitalBio	Human expression chip	Yang, C., et al., Effects of space flight exposure on cell growth, tumorigenicity and gene expression in cancer cells.	中南大学湘雅医学院	Advances in Space Research, 2008, 42: 1898-1905.	0.860	2008-34
CapitalBio	Custom Xanthomonas campestris expression chip	Huang, D., et al., The Zur of <i>Xanthomonas campestris</i> functions as a repressor and an activator of putative zinc homeostasis genes via recognizing two distinct sequences within its target promoters.	广西大学生命科学与技术学院	Nucleic Acids Research, 2008, 36(13): 4295-4309.	6.878	2008-22
CapitalBio	Human expression chip	Liu, Q., et al., miR-16 family induces cell cycle arrest by regulating multiple cell cycle genes.	北京放射医学研究所	Nucleic Acids Research, 2008, 36(16): 5391- 5404.	6.878	2008-23
CapitalBio	Custom fish-CGH chip	Chen, Z., et al., Transcriptomic and genomic evolution under constant cold in Antarctic notothenioid fishes.	中国科学院遗传与发育生物学研究所	Proceedings of the National Academy of Sciences, 2008, 105(3) : 12944 -12949.	9.380	2008-15
CapitalBio	Human transcription factor chip	Qiao, J., et al., Novel high-throughput profiling of human transcription factors and its use for systematic pathway mapping.	清华大学生物科学与技术系	Journal of Proteome Research, 2008, 7(7): 2769-2779.	5.684	2008-16
CapitalBio	Mouse transcription factor chip	Sun, Y., et al., Broad profiling of DNA-binding transcription factor activities improves regulatory network construction in adult mouse tissues.	清华大学生物科学与技术系	Journal of Proteome Research, 2008, 7(10): 4455-4464.	5.684	2008-17
CapitalBio	miRNA chip	Yang, Y., et al., Determination of microRNAs in mouse preimplantation embryos by microarray.	第四军医大学唐都医院妇产科	Developmental Dynamics, 2008, 237: 2315-2327.	3.018	2008-12
CapitalBio	miRNA chip	Yan, L., et al. MicroRNA miR-21 overexpression in human breast cancer is associated with advanced clinical stage, lymph node metastasis and patient poor prognosis.	中山大学肿瘤医院	RNA, 2008, 14(11): 2348-2360.	5.018	2008-13
CapitalBio	Rat expression chip	Yang, L., et al., Microarray expression analysis of the early N- methyl-N-nitrosourea-induced retinal degeneration in rat.	中山大学中山眼科中心	Neuroscience letters, 2008, 418: 38-43.	2.200	2008-07
CapitalBio	miRNA chip	Li, W., et al. Diagnostic and prognostic implications of microRNAs in human hepatocellular carcinoma.	上海肿瘤研究所	International Journal of Cancer 2008, 123 (7): 1616-1622.	4.734	2008-08
CapitalBio	miRNA chip	Liao, R., et al., MicroRNAs play a role in the development of human hematopoietic stem cells.	重庆第三军医大学	Journal of Cellular Biochemistry, 2008, 104(3) : 805-817.	4.313	2008-09
CapitalBio	Yeast Transcription factor chip	Zhao, Y., et al., Development of a novel oligonucleotide array-based transcription factor assay platform for genome-wide active transcription factor profiling in <i>Saccharomyces cerevisiae</i> .	清华大学生物科学与技术系	Journal of Proteome Research, 2008, 7(3): 1315-1325.	5.684	2008-10



CapitalBio	miRNA chip	Guo, Y., et al., Distinctive microRNA profiles relating to patient survival in esophageal squamous cell carcinoma.	清华大学医学系统生物学研究中心	Cancer Research, 2008.68(1):26-33.	7.514	2008-01
CapitalBio	miRNA chip	Liu, H., et al., Microarray-based analysis of stress-regulated microRNAs in Arabidopsis thaliana.	山东农业大学生命科学院	RNA, 2008, 14 (5): 836- 843.	5.018	2008-02
CapitalBio	Human expression chip	Ye, L., et al., Progressive Changes in Hepatoma Cells Stably Transfected with Hepatitis B Virus X Gene.	南开大学生命科学院	Intervirology, 2008, 51: 50–58	1.418	2008-03
CapitalBio	Custom Viral expression chip	Teng, Y., et al., Whole-genome transcriptional profiles of a novel marine fish iridovirus, Singapore grouper iridovirus (SGIV) in virus-infected grouper spleen cell cultures and in orange-spotted grouper, Epinephelus coioides.	中山大学生命科学院	Virology, 2008, 377:39-48.	3.539	2008-04
CapitalBio	Custom Gobiocypris rarus expn chip	Wei, Y., et al., Toxicogenomic analysis of the hepatic effects of perfluorooctanoic acid on rare minnows (Gobiocypris rarus).	中科院动物研究所	Toxicology and Applied Pharmacology, 2008, 226: 285–297.	3.364	2008-05
<b>2007</b>	<b>Type</b>	<b>CapitalBio Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
CapitalBio	Mouse expression chip	Huang, J., et al., Differential gene expression profiles in acute hepatic failure model in mice infected with MHV-3 virus intervened by anti-hepatic failure compound	华中科技大学同济医学院	Journal of Huazhong University of Science and Technology, 2007, 27(5): 538-542.	N/A	2007-43
CapitalBio	HLA polymorphism	Jin, W., et al., Identification of a novel HLA-B allele HLA-B*4070 in a Chinese donor.	中华骨髓库	Tissue Antigens, 2007, 69(6): 618-619.	2.076	2007-42
CapitalBio	miRNA chip	李琼等, MicroRNA 在 HepG2 肝癌细胞表达差异谱的研究。	第三军医大学大坪医院肿瘤中心	重庆医学, 2007, 36(20): 2024 - 2025。	N/A	2007-40
CapitalBio	Human expression chip	吴恩惠等, 低氧对人骨髓间充质干细胞基因表达谱的影响。	军事医学科学院基础医学研究所	生理学报, 2007, 59(2): 227-232。	N/A	2007-39
CapitalBio	Human expression chip	Tang, J., et al., $\beta$ ig-h3 is involved in the HA18G/CD147-mediated metastasis process in human hepatoma cells.	西安第四军医大学	Experimental Biology and Medicine, 2007, 232: 344 - 352.	2.202	2007-38
CapitalBio	Human expression chip	Ye, Y., et al., Expression of signal transduction genes after differentiation of cord blood stem cells into megakaryocytes.	福建医科大学教学医院	中国组织工程研究与临床康复, 2007, 11(50): 10200-10204。	N/A	2007-37
CapitalBio	Mouse expression chip	Hao, S., et al., Modulation of $17\beta$ -estradiol on the number and cytotoxicity of NK cells in vivo related to MCM and activating receptors.	南京大学	International Immunopharmacology, 2007, 7: 1765–1775.	3.181	2007-36
CapitalBio	Long non-coding RNA expression chip	Yin, J., et al., Identifying expression of new small RNAs by microarrays.	中国医学科学院协和医科大学	Methods, 2007, 43: 123– 130.	3.291	2007-34
CapitalBio	Human expression chip	Feng, X., et al., Interleukin-27 upregulates major histocompatibility complex class II expression in primary human endothelial cells through induction of major histocompatibility complex class II transactivator.	中国医学科学院	Human Immunology, 2007, 68: 965– 972.	3.061	2007-35
CapitalBio	Plant expression chip	Qin, Y., et al., Genetic and biochemical studies in yeast reveal that the cotton fibre-specific GhCER6 gene functions in fatty acid elongation.	北京大学生命科学院	Journal of Experimental Botany, 2007, 58: 473 - 481.	4.001	2007-31
CapitalBio	Silkworm expression chip	Gong, D., et al., Identification and expression pattern of the chemosensory protein gene family in the silkworm, Bombyx mori.	西南大学生命科学院	Insect Biochemistry and Molecular Biology, 2007, 37: 266–277.	2.626	2007-32
CapitalBio	Rat expression chip	Wang, C., et al., Mouse lysocardiolipin acyltransferase controls the development of hematopoietic and endothelial lineages during in vitro embryonic stem-cell differentiation.	北京大学生命科学院	Blood, 2007, 110(10): 3601-3609.	10.432	2007-28
CapitalBio	miRNA chip	He, A., et al., Overexpression of micro ribonucleic acid 29, highly up-regulated in diabetic rats, leads to insulin resistance in 3t3-L1 adipocytes.	中国医学科学院北京协和医学院	Molecular Endocrinology, 2007, 21 (11): 2785–2794.	5.389	2007-29
CapitalBio	Food borne bacterial pathogen chip	Wang, X., et al., Development and application of an oligonucleotide microarray for the detection of food-borne bacterial pathogens.	天津卫生学环境医学研究所	Applied Microbiology and Biotechnology, 2007, 76:225–233.	2.569	2007-25

CapitalBio	Rat expression chip	Li, M., et al., Modulation of gene expression in cholesterol-lowering effect of electro-acupuncture at Fenglong acupoint (ST40): a cDNA microarray study.	四川大学生命科学学院	International Journal of Molecular Medicine, 2007, 19: 617-629.	1.880	2007-26
CapitalBio	Human expression chip	李瑞平等, 用原代细胞培养和人全基因表达谱芯片筛选鼻咽癌差异表达基因。	中山大学肿瘤防治中心	南方医科大学学报, 2007, 27(8): 1156-1160.	N/A	2007-22
CapitalBio	Yeast expression chip	Liu, X., et al. Genetic and comparative transcriptome analysis of bromodomain factor 1 in the salt stress response of <i>Saccharomyces cerevisiae</i> .	山东大学微生物技术国家重点实验室	Current Microbiology, 2007, 54 (4): 325-330.	1.330	2007-23
CapitalBio	Mammal expression chip	Qin, X., et al., Proliferation and migration mediated by Dkk-1/Wnt/B-catenin cascade in a model of hepatocellular carcinoma cells.	南开大学生命科学院	Translational Research, 150 (5): 281- 294.	1.984	2007-20
CapitalBio	Rice expression chip	Wang, H., et al, Comparison of gene expression between upland and lowland rice cultivars under water stress using cDNA microarray.	中国农业大学	Theoretical and Applied Genetics, 2007, 115: 1109 – 1126.	3.490	2007-21
CapitalBio	miRNA chip	孙建国等, 造血干细胞相关microRNAs的筛选及其促分行研究。	重庆第三军医大学	生物化学与生物物理进展, 2007, 34 (11) : 1190 – 1196.	0.211	2007-18
CapitalBio	Rat expression chip	Dai, Z., et al., Simulated microgravity inhibits the proliferation and osteogenesis of rat bone marrow mesenchymal stem cells.	中国航天员科研训练中心	Cell proliferation, 2007, 40, 671-684.	2.423	2007-19
CapitalBio	Custom <i>Xanthomonas campestris</i> – CGH chip	He, Y., et al., Comparative and functional genomics reveals genetic diversity and determinants of host specificity among reference strains and a large collection of Chinese isolates of the phytopathogen <i>Xanthomonas campestris</i> pv. <i>Campestris</i> .	广西大学生命科学与技术学院	Genome Biology, 2007, 8: R218.	6.153	2007-16
CapitalBio	Custom microorganism -CGH chip	Pang, B., et al., Genetic diversity toxigenic and nontoxigenic <i>Vibrio cholerae</i> Serogroups O1 and O139 revealed by array-based comparative genomic hybridization.	中国疾病预防控制中心流行病预防与控制国家重点实验室	Journal of Bacteriology, 2007, 189: 4837-4849.	3.636	2007-17
CapitalBio	Human expression chip	Yu, J., et al., Identification of the gene transcription and apoptosis mediated by TGF- $\beta$ -Smad2/3-Smad4 signaling.	清华大学医学系统生物学研究中心	Journal of Cellular Physiology, 2007, 215 (2): 422-433.	4.313	2007-15
CapitalBio	Human expression chip	Feng, Y., et al., Differentially expressed genes between primary cancer and paired lymph node metastases predict clinical outcome of node-positive breast cancer patients.	天津医科大学附属医院	Breast Cancer Research and Treatment, 2007, 103: 319-329.	7.514	2007-12
CapitalBio	miRNA chip	Yan, N., et al., A microarray for microRNA profiling in mouse testis tissues.	四川大学华西医院	Reproduction, 2007, 134: 73-79.	3.073	2007-13
CapitalBio	Custom expression chip	Lei, K., et al., Identification of MSRA gene on chromosome 8p as a candidate metastasis suppressor for human hepatitis B virus-positive hepatocellular carcinoma.	复旦大学生物医学研究院	BMC Cancer, 2007, 7:172.	3.087	2007-10
CapitalBio	Cotton expression chip	Qin, Y., et al., Saturated very-long-chain fatty acids promotes cotton fiber and <i>Arabidopsis</i> cell elongation by activating ethylene biosynthesis.	北京大学生命科学院	The Plant Cell. 2007. 19(11): 3692- 704.	9.296	2007-11
CapitalBio	Silkworm expression chip	Xia, Q., et al., Microarray-based gene expression profiles in multiple tissues of the domesticated silkworm, <i>Bombyx mori</i> .	西南大学生命科学院	Genome Biology, 2007, 8:R162.	6.153	2007-08
CapitalBio	Human expression chip	Zhang, Y., et al. PGC-1 $\alpha$ induces apoptosis in human epithelial ovarian cancer cells through a PPAR $\gamma$ -dependent pathway.	南京大学	Cell Research, 2007, Apr; 17(4): 363- 373.	4.535	2007-09
CapitalBio	miRNA chip	刘妍等, 乙型肝炎病毒基因组转染HepG2细胞的microRNA表达研究。	解放军第302医院传染病研究所	解放军医学杂志, 2007, 32 (2) : 92-95.	N/A	2007-06
CapitalBio	Human expression chip	田志刚等, 胆管癌全基因组表达差异的初步观察。	北京大学第三医院	中国微创外科杂志, 2007, 7(5) : 480 -485.	N/A	2007-07

CapitalBio	Custom banana expression chip	Xu, B., et al., Differentially expressed cDNA at the early stage of banana ripening identified by suppression subtractive hybridization and cDNA microarray.	中国热带农业科学研究院	Planta, 2007, 226: 529- 539.	3.088	2007-04
CapitalBio	miRNA chip	骆明勇 等, 一种检测microRNA 表达的微阵列芯片的研制及应用。	生物芯片北京国家工程研究中心	生物化学与生物物理进展, 2007, 34 (1) : 31-41。	0.211	2007-05
CapitalBio	Tomato expression chip	Ouyang, B., et al., Identification of early salt stress response genes in tomato root by suppression subtractive hybridization and microarray analysis.	华中农业大学	Journal of Experimental Botany, 2007, 58(3): 507-520.	4.001	2007-03
CapitalBio	Rat expression chip	Xiang, G., et al., Identification of activity-dependant gen expression profiles reveals specific subsets of genes induced by different routes of Ca2+ entry in cultured rat cortical neurons.	清华大学医学系统生物学研究中心	Journal of Cellular Physiology, 2007, 212: 126 -136.	4.313	2007-02
CapitalBio	Human expression chip	Zang, S., et al., Integration of statistical inference methods and a novel control measure to improve sensitivity and specificity of data analysis in expression profiling studies.	北京大学临床肿瘤学院	Journal of Biomedical Information, 2007, 40 (5):552-560.	1.924	2007-01
<b>2006</b>	<b>Type</b>	<b>CapitalBio Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
CapitalBio	Human expression chip	Sun, Y., et al., HIV-1 tat depresses DNA-PKCS expression and dna repair, and sensitizes cells to ionizing radiation	北京放射医学研究所	International Journal of Radiation Oncology • Biology • Physics, 2006, 65(3): 842-850.	4.639	2006-13
CapitalBio	Rat expression chip	Xie, W., et al., Bacterial endotoxin lipopolysaccharide induces up-regulation of glyceraldehyde-3-phosphate dehydrogenase in rat liver and lungs	川北医学院	Life Sciences, 2006, 79(19):1820-1827.	2.583	2006-12
CapitalBio	Human expression chip	郭瑞芳 等, 转化生长因子β1 及其受体基因过量表达与进展期胃癌分化及临床预后的关系。	北京大学临床肿瘤学院	中华医学杂志, 2007, 86(46) : 3249- 3254。	0.858	2006-08
CapitalBio	miRNA chip	Hua, Z., et al., MiRNA-directed regulation of VEGF and other angiogenic factors under hypoxia.	深圳清华研究生院生命科学研究所	PLoS one, 2006, 1(1): e116.	4.351	2006-07
CapitalBio	Cotton expression chip	Shi, Y., et al., Transcriptome profiling, molecular biological and physiological studies reveal a major role for ethylene in cotton fiber cell elongation.	北京大学生命科学院	The Plant Cell. 2006. 18(3): 651-664.	9.296	2006-06
CapitalBio	Human expression chip	Patterson, T.A., et al., Performance comparison of one-color and two-color platforms within the microarray quality control (MAQC) project.	美国食品与药品监督管理局	Nature Biotechnology, 2006, 24(9): 1140-1150.	22.297	2006-05
CapitalBio	Human expression chip	Shi, L., et al., The MicroArray Quality Control (MAQC) project shows inter- and intraplatform reproducibility of gene expression measurements.	美国食品与药品监督管理局	Nature Biotechnology, 2006, 24(9): 1151-1161.	22.297	2006-04
CapitalBio	Human expression chip	冯玉梅 等, 采用高通量基因芯片筛选乳腺癌分子诊断基因群的研究。	天津医科大学附属肿瘤医院	中华病理学杂志, 2006, 35(6) : 361 -362。	N/A	2006-03
CapitalBio	Human expression chip	冯玉梅 等, 利用 mRNA 差异显示和基因芯片技术联合筛选乳腺原发癌与淋巴转移癌患者的差异表达基因。	天津医科大学附属肿瘤医院	中华医学杂志, 2006, 86(39) : 2749 -2755。	0.858	2006-02
CapitalBio	Human expression chip	孙保存 等, 基于线性微分方程模型和k-means 聚类研究乳腺癌转移相关基因调控通路。	天津医科大学附属肿瘤医院	中华医学杂志, 2006, 86(26) : 1808 -1812。	0.858	2006-01
<b>2005</b>	<b>Type</b>	<b>CapitalBio Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
CapitalBio	Human expression chip	郝希山 等, 采用单引物扩增法标记的基因芯片技术筛选乳腺原发癌与淋巴转移癌的差异表达芯片。	天津医科大学附属肿瘤医院	中华医学杂志, 2005, 85(6) : 385-390。	0.858	2005-01
CapitalBio	Human expression chip	倪春生 等, 乳腺癌转移相关基因表达调控网络的线性微分方程模	天津医科大学附属肿瘤医院	生物化学与生物物理进展, 2005, 32: 121-8。	0.211	2005-02

		型的初步研究。	医院			
CapitalBio	Human expression chip	王春梅等, 瘢痕疙瘩相关基因的生物信息学研究。	中国医学科学院整形外科医院	整形再造外科杂志, 2005, 2(3) : 132 -136。	N/A	2005-03
CapitalBio	Human expression chip	Guo, Y., et al., Genomic analysis of anti-HBV activity by siRNA and lamivudine in stable HBV-producing cell.	清华大学生物科学与技术系	Journal of Virology, 2005, 79(22): 14392-14403.	5.308	2005-04
CapitalBio	Transcription factor array	Shao, W., et al. Parallel profiling of active transcription factors using an oligonucleotide array-based transcription factor assay (OATFA).	清华大学生物科学与技术系	Journal of Proteome Research, 2005, 4(4): 1451-1456.	5.684	2005-05
CapitalBio	Mouse expression chip	小鼠表达谱芯片	小鼠表达谱芯片	第三军医大学学报, 2005, 27(9): 841-843。	N/A	2005-06
CapitalBio	HLA polymorphisms	Li, J., et al., Identification of a novel HLA-A allele HLA-A*2451 in a Chinese donor.	辽宁血液中心	Tissue Antigens, 2005, 66(1): 54-55.	2.076	2005-07
CapitalBio	HLA polymorphisms	Li, D., et al., Identification of a novel HLA-DRB1 allele (HLA-DRB1*111902*)	北京大学血液病研究所	Tissue Antigens 2005: 66(1): 67-68.	2.076	2005-08
<b>2003/2002</b>	<b>Type</b>	<b>CapitalBio Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
CapitalBio	Yeast expression chip	张岩等, 用酿酒酵母全基因组DNA芯片研究盐酸小檗碱的药理作用机制。	清华大学生物科学与技术系	中国中西医结合杂志, 2003, 23 (1) : 48-53。	N/A	2003-01
CapitalBio	Yeast expression chip	Zhang, L., et al. Response of gene expression in Saccharomyces cerevisiae to amphotericin B and nystatin.	清华大学生物科学与技术系	Journal of Antimicrobial Chemotherapy, 2002, 49 (6): 905-915.	4.328	2002-01
CapitalBio	Yeast expression chip	Zhang, L., et al, Expression profiling of the response of Saccharomyces cerevisiae to 5-fluorocytosine using a DNA microarray.	清华大学生物科学与技术系	International Journal of Antimicrobial Agents, 2002, 20 (6): 444-450.	3.067	2002-02

<b>2011</b>	<b>Type</b>	<b>Affymetrix Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
Affymetrix	Pig expression chip	Dong, H. et al., Regulating effects and mechanisms of Chinese medicine decoction on growth and gut hormone expression in heat stressed pigs.	中国农业大学	Livestock Science, 2011, online.	1.295	2011-126
Affymetrix	Pig expression chips	Yao, T. et al., MiR-21 is involved in cervical squamous cell tumorigenesis and regulates CCL20.	中山大学	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 2011, online.	5.211	2011-125
Affymetrix	Rat expression chip	Wu, Y. et al., Effects of low-level laser irradiation on mesenchymal stem cell proliferation: a microarray analysis.	中国医学科学院北京协和医学院	Lasers in Medical Science, 2011, online.	2.311	2011-122
Affymetrix	Rice Expression chip	Li, X. et al., Characterization and expression analysis of the SNF2 family genes in response to phytohormones and abiotic stresses in rice.	华南农业大学	Biologia Plantarum, 2011, 55(4):625-633.	1.582	2011-120
Affymetrix	Arabidopsis expression	Wang, Y. et al., Cytokinin antagonizes ABA suppression to seed germination of Arabidopsis by downregulating ABI5 expression.	武汉大学	The Plant Journal, 2011, 68(2): 249-261.	6.948	2011-116
Affymetrix	SNP 6.0 chip	Jia, D. et al., Genome-wide copy number analyses identified novel cancer genes in hepatocellular carcinoma.	上海市肿瘤研究所	Hepatology, 2011, 54(4):1227-36.	10.885	2011-117
Affymetrix	Rice Expression chip	Cai, H. et al., Transcriptome response to phosphorus starvation in rice.	华中农业大学	Acta Physiologiae Plantarum, 2011, online.	1.344	2011-118
Affymetrix	miRNA chip	Wang, Y. et al., MicroRNAs in the regulation of interfacial behaviors of MSCs cultured on microgrooved surface pattern.	清华大学	Biomaterials, 2011, online.	7.882	2011-114



Affymetrix	Rice Expression chip	Zhu, L. et al., Identification and characterization of SHORTENED UPPERMOST INTERNODE 1, a gene negatively regulating uppermost internode elongation in rice.	中国农科院	Plant Molecular Biology, 2011, online.	4.149	2011-111
Affymetrix	Rice expression chip	Wang, D. et al., Genome-wide temporal-spatial gene expression profiling of drought responsiveness in rice.	中国农科院	BMC Plant Biology, 2011, 11(1): 18.	4.085	2011-107
Affymetrix	Rice Expression chip	Hu, F. et al., Identification of rhizome-specific genes by genome-wide differential expression Analysis in <i>Oryza longistaminata</i> .	中国农科院	BMC Genomics, 2011, 12(1): 149.	4.206	2011-108
Affymetrix	Porcine expression chip	Wang, J. et al., Integrated Transcriptional and Proteomic Analysis with In Vitro Biochemical Assay Reveal the Important Role of CYP3A46 in T-2 Toxin Hydroxylation in Porcine Primary Hepatocytes.	华南农业大学生命科学院	Molecular & Cellular Proteomics, 2011, 10: M111.008748.	8.354	2011-105
Affymetrix	Rice expression chip	Hu, F., et al., Identification of rhizome-specific genes by genome-wide differential expression Analysis in <i>Oryza longistaminata</i> .	中国农科院	BMC Plant Biology, 2011, 11(1): 18.	4.085	2011-98
Affymetrix	Bacillus subtilis expression chip	Zhou, T., et al., Global transcriptional responses of <i>Bacillus subtilis</i> to xenocoumacin 1.	中国农业科学院	Journal of Applied Microbiology, 2011, online.	2.365	2011-91
Affymetrix	SNP 6.0 chip/ Sequenom SNP	Hu, Z., et al., A genome-wide association study identifies two new lung cancer susceptibility loci at 13q12.12 and 22q12.2 in Han Chinese.	南京医科大学	Nature Genetics, 2011,online	36.377	2011-92
Affymetrix	SNP 6.0 chip	Wu, C., et al., Genome-wide association study identifies three new susceptibility loci for esophageal squamous-cell carcinoma in Chinese populations.	中国医学科学院北京协和医学院	Nature Genetics, 2011,online	36.377	2011-80
Affymetrix	Rat expression chip	Wu, T., et al., Genome-wide analysis reveals the active roles of keratinocytes in oral mucosal adaptive immune response.	广州光华口腔医院	Experimental Biology and Medicine,2011, 236: 832 - 843.	2.954	2011-81
Affymetrix	Rice expression chip	Zou, L., et al., Leaf Rolling Controlled by the Homeodomain Leucine Zipper Class IV Gene <i>Roc5</i> in Rice.	中国农业科学院	Plant Physiology, 2011, 156: 1589 - 1602.	6.451	2011-82
Affymetrix	Chicken miRNA chip	Li, T., et al., A systematic analysis of the skeletal muscle miRNA transcriptome of chicken varieties with divergent skeletal muscle growth identifies novel miRNAs and differentially expressed miRNAs.	中国医学科学院基础医学研究所	BMC Genomics, 2011, 12(1):186.	3.759	2011-76
Affymetrix	Rat expression chip	Liao, M., et al., Gene Expression Profiling of Nephrotoxicity from Copper Nanoparticles in Rats after Repeated Oral Administration.	广西医科大学	Environmental Toxicology and Pharmacology, 2011,online	1.293	2011-70
Affymetrix	SNP 6.0 chip	Zhu, H., et al., X-Linked Congenital Hypertrichosis Syndrome Is Associated with Interchromosomal Insertions Mediated by a Human-Specific Palindrome near <i>SOX3</i> .	中国医学科学院北京协和医学院	The American Journal of Human Genetics, 2011, 88(6):819-826.	12.303	2011-72
Affymetrix	Pig expression chip	Sun, X., et al., Microarray profiling for differential gene expression in PMSG-hCG stimulated preovulatory ovarian follicles of Chinese Taihu and Large White sows	华中农大	BMC Genomics, 2011, 12(1):111	3.759	2011-57
Affymetrix	Rice expression chip	Wang, D., et al., Genome-wide temporal-spatial gene expression profiling of drought responsiveness in rice.	中国农科学院	BMC Genomics, 2011, 12(1):149	3.759	2011-59
Affymetrix	SNP 6.0 chip	Liao, C., et al., Ring chromosome 13 syndrome characterized by high resolution array based comparative genomic hybridization in patient with 47, XYY syndrome: a case report.	广州医学院广州市妇婴医院	Journal of Medical Case Reports, 2011, 5:99	N/A	2011-65
Affymetrix	Human expression chip	Xia, J., et al., Expressions of CXCR7/ligands may be involved in oral carcinogenesis.	中山大学	Journal of Molecular Histology,2011,42(2):175-180	1.752	2011-42

Affymetrix	Bovine expression chip	Zhang, Y., et al., Differentially expressed genes in skeletal muscle tissues from castrated Qinchuan cattle males compared with those from intact males.	西北农林科技大学动物科技学院	Livestock Science,2011,135(1):76-83	1.41	2011-43
Affymetrix	Gene 1.0 ST chip	Wu, T., et al., Reprogramming of trophoblast stem cells into pluripotent stem cells by Oct4.	北京生命科学研究所	Stem Cells, 2011,29(5):755-763.	7.747	2011-36
Affymetrix	SNP 5.0 chip	Wang, F., et al., Genome-wide association identifies a susceptibility locus for coronary artery disease in the Chinese Han population.	华中科技大学	Nature Genetics, 2011, on line	34.284	2011-37
Affymetrix	Rice expression chip	Jiang, H., et al., Overexpression of SGR results in oxidative stress and lesion-mimic cell death in rice seedlings.	中国科学院华南植物园	Journal of Integrative Plant Biology, 2011, on line	1.395	2011-30
Affymetrix	Mouse expression chip	Shuai, Y., et al., Global gene expression profiles of MT knockout and wild-type mice in the condition of doxorubicin-induced cardiomyopathy.	解放军军事医学科学院疾病预防控制所	Toxicology Letters, 2011, 200(1-2):77-87	3.479	2011-20
Affymetrix	Drosophila expression chip	Chen, S., et al., E2 ligase dRad6 regulates DMP53 turnover in Drosophila.	清华大学	Journal of Biological Chemistry, 2011, 286:9020-9030.	5.328	2011-5
<b>2010</b>	<b>Type</b>	<b>Affymetrix Platform</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
Affymetrix	SNP 5.0 chip	Zhang, H., et al., Genome-wide association study identifies 1p36.22 as a new susceptibility locus for hepatocellular carcinoma in chronic hepatitis B virus carriers.	北京蛋白质组研究中心	Nature Genetics, 2010, on line.	34.284	2010-38
Affymetrix	Yeast expression chip	Li, B., et al., Transcriptome analysis of differential responses of diploid and haploid yeast to ethanol stress.	天津大学	Journal of Biotechnology, 2010, 148: 194-203.	2.881	2010-39
Affymetrix	Arabidopsis expression chip	Li, J., et al., The Arabidopsis Nitrate Transporter NRT1.8 Functions in Nitrate Removal from the Xylem Sap and Mediates Cadmium Tolerance.	中科院上海生命科学院	The Plant Cell, 2010, 22: 1633-1646.	9.293	2010-31
Affymetrix	Rice expression chip	Wang, L., et al., A dynamic gene expression atlas covering the entire life cycle of rice.	华中农业大学	The Plant Journal, 2010, 61(5): 752-766	6.946	2010-32
Affymetrix	SNP 6.0 chip	Simonson, T., et al., Genetic Evidence for High-Altitude Adaptation in Tibet.	青海大学医学院	Science, on line.	28.103	2010-24
Affymetrix	Mouse/ Pig expression chips	Zhang, Z., et al., Genomic expression profiles in liver of mice exposed to purified terephthalic acid manufacturing wastewater.	南京大学	Journal of Hazardous Materials, on line.	2.975	2010-25
Affymetrix	Tomato expression chip	Sun, W., et al., Comparative transcriptomic profiling of a salt-tolerant wild tomato species and a salt-sensitive tomato cultivar.	中科院植物研究所	Plant and Cell Physiology, 2010, 51(6): 997-1006.	3.542	2010-26
Affymetrix	Pig expression chip	Zhou, G., et al., Global comparison of gene expression profiles between intramuscular and subcutaneous adipocytes of neonatal Landrace pig using microarray.	华南农业大学	Meat Science, 2010, on line.	2.183	2010-27
Affymetrix	Mouse exon chip	Chen, H., et al., Differential expression and alternative splicing of genes in lumbar spinal cord of an amyotrophic lateral sclerosis mouse model.	河北医科大学第二医院	Brain Research, on line.	2.494	2010-17
Affymetrix	Zebrafish expression chip	Wu, Z., et al., Transcriptome profiling of zebrafish infected with Streptococcus suis.	南京农业大学	Microbial Pathogenesis, 2010, on line.	2.289	2010-07
Affymetrix	SNP 6.0 chip	Liang, Y., et al., Stem-like cancer cells are inducible by increasing genomic instability in cancer cells.	中山大学肿瘤中心	The Journal of Biological Chemistry, 2010, 285(7): 4931-4940.	5.520	2010-08

Affymetrix	Pig expression chip	Yu, J., et al., Effect of heat stress on the porcine small intestine: A morphological and gene expression study.	北京农业大学	Comparative Biochemistry and Physiology (Part A), 2010, on line.	1.709	2010-04
Affymetrix	Human expression chip	Y, Zhang, et al., Altered global gene expressions of human placentae subjected to assisted reproductive technology treatments.	南京医科大学第一附属医院	Placenta, 2010, on line.	2.775	2010-05
Affymetrix	猪表达谱芯片	Li, J., et al., Global transcriptional profiles in peripheral blood mononuclear cell during classical swine fever virus infection.	广西大学	Virus Research, 2010, on line.	2.429	2010-01
Affymetrix	Rice expression chip	Ning, J., et al., A Raf-like MAPKKK gene DSM1 mediates drought resistance through ROS scavenging in rice.	华中农业大学	Plant Physiology, 2010, on line.	6.110	2010-02
<b>2009</b>		<b>Affymetrix Platform</b>				
Affymetrix	Mouse expression chip	Kang, L., et al., iPS cells can support full-term development of tetraploid blastocyst-complemented embryos.	北京生命科学研究所	Cell stem cell, 2009, 5(2):135-138.	16.826	2009-35
Affymetrix	Rice expression chip	Hou, X., et al., A homolog of human ski-interacting protein in rice positively regulates cell viability and stress tolerance.	华中农业大学	Proceedings of the National Academy of Sciences, 2009, 106(15):6410-6415	9.380	2009-17
Affymetrix	Zebrafish expression chip	Chang, M., et al., Zebrafish peptidoglycan recognition protein SC (zfPGRP-SC) mediates multiple intracellular signaling pathways.	中科院水生所	Fish & Shellfish Immunology, 2009, 26(2):264-274.	3.161	2009-09
Affymetrix	Pig expression chip	Zou, X., et al., Different mechanisms of spinal fusion using equine bone protein extract, rhBMP-2 and autograft during the process of anterior lumbar interbody fusion.	奥胡斯大学医院/中山大学附属医院	Biomaterials, 2009, 30(6):991-1004.	6.646	2009-08
Affymetrix	500K chip	Lei, S., et al., Genome-wide association scan for stature in Chinese: evidence for specific loci.	湖南师范大学	Human Genetics, 2009, 125(1):1-9.	4.042	2009-02
<b>2008</b>		<b>Affymetrix Platform</b>				
Affymetrix	500K chip	Yang, T., et al., Genome-wide copy-number-variation study identified a susceptibility Gene, UGT2B17, for osteoporosis.	西安交通大学及湖南师范大学	The American Journal of Human Genetics, 2008, 83: 663- 674.	10.153	2008-39
Affymetrix	Human expression chip	Dong, C., et al., mda-7/L-24 inhibits the proliferation of hematopoietic malignancies in vitro and in vivo.	天津血液研究所	Experimental Hematology, 2008, 36(8): 938-946.	3.203	2008-37
Affymetrix	Rice expression chip	Xiang, Y., et al., Characterization of OsbZIP23 as a key player of bZIP transcription factor family for conferring ABA sensitivity and salinity and drought tolerance in rice.	华中农业大学	Plant Physiology, 2008, 148: 1938 -1952.	6.110	2008-24
Affymetrix	Human expression chip	Liu, S., et al., A novel non-lens $\beta$ -crystallin and trefoil factor complex from amphibian skin and its functional implications.	中科院昆明动物所	PLoS one, 2008, 3: e1770.	4.351	2008-18
Affymetrix	S. aureus expression chip	Lu, Y., et al., Global transcriptional response of Staphylococcus aureus to Rhein, a natural plant product.	吉林大学	Journal of Biotechnology, 2008, 135(3): 304-308.	2.748	2008-19
Affymetrix	Rat expression chip	Zhou, Y., et al., Expression profiling of hepatic genes associated with lipid metabolism in nephrotic rats.	北京大学医学部	American Journal of physiology-renal physiology, 2008, 295: F662-F671.	3.890	2008-20
Affymetrix	Zebrafish expression chip	Wei, L., et al., Gene expression profiles in liver of zebrafish treated with microcystin-LR.	武汉水生所	Environmental Toxicology and Pharmacology, 2008, 26(1): 6-12.	1.051	2008-21
Affymetrix	Rice expression chip	Hu, H., et al., Characterization of transcription factor gene SNAC2 conferring cold and salt tolerance in rice.	华中农业大学作物遗传改良国家重点实验室	Plant Molecular Biology, 2008, 67(1-2):169-181.	3.541	2008-14

Affymetrix	S. aureus expression chip	Wang, D., et al., Global transcriptional profiles of Staphylococcus aureus treated with berberine chloride.	吉林大学	FEMS Microbiology Letters, 2008, 279(2):217 -225.	2.021	2008-11
<b>2007</b>		<b>Affymetrix Platform</b>				
Affymetrix	Rice expression chip	Huang, L., et al., Down-Regulation of a SILENT INFORMATION REGULATOR2-related histone deacetylase gene, OsSRT1, induces DNA fragmentation and cell death in rice.	华中农业大学	Plant Physiology, 2007, 144: 1508 -1519.	6.110	2007-30
Affymetrix	C. elegans genome tiling chip	He, H., et al., Mapping the C. elegans noncoding transcriptome with a whole-genome tiling microarray.	中科院生物物理所	Genome Research, 2007, 17: 1471 -1477.	10.176	2007-27
Affymetrix	Human expression chip	Sha, G., et al., Differentially expressed genes in human endometrial endothelial cells derived from eutopic endometrium of patients with endometriosis compared with those from patients without endometriosis.	协和医院妇产科	Human Reproduction, 2007, 22 (12):3159-69.	3.773	2007-14

2011		<b>CapitalBio Instruments</b>	Source	Journal	Impact factor	Pdf code
CapitalBio	LuxScan 10K/A Personal Arrayer 16	Duan, D. et al., Label-free high-throughput microRNA expression profiling from total RNA.	中国科学院苏州纳米与仿生研究所	Nucleic Acids Research, 2011, 1-10.	7.836	2011-115
CapitalBio	LuxScan 10K/A	Jiao, Y. et al., Single Nucleotide Polymorphisms Predict Symptom Severity of Autism Spectrum Disorder.	东南大学	Journal of Autism and Developmental Disorders, 2011, online	2.962	2011-109
CapitalBio	LuxScan 10K/A	Shen, J., et al., Expression of insulin-like growth factor binding protein-4 (IGFBP-4) in acute pancreatitis induced by l-arginine in mice.	上海交大医学院第一人民医院/同	Acta Histochemica, 2011, Online	1.735	2011-101
CapitalBio	BioMixer II	Yi, P., et al., Development of a PCR/Ligase Detection Reaction/Nanogold-Based Universal Array Approach for the Detection of Low-Abundant DNA Point Mutations.	第三军医大学大坪医院	Cell Biochemistry and Biophysics, 2011, 11(1): 18.	4.312	2011-99
Instrument	LuxScan 10K/A	Han, X., et al., CXCL9 attenuated chemotherapy-induced intestinal mucositis by inhibiting proliferation and reducing apoptosis.	上海交通大学附属第六人民医院	Biomedicine & Pharmacotherapy, 2011, online.	2.208	2011-87
Instrument	RT-Cycler	Lu, X., et al., Influence of acute cadmium exposure on the liver proteome of a teleost fish, ayu (Plecoglossus altivelis).	宁波大学	Molecular Biology Reports, 2011, online	2.038	2011-77
Instrument	LuxScan 10K/A	Wu, Z., et al., Interleukin 1 receptor antagonist reduces lethality and intestinal toxicity of 5-Fluorouracil in a mouse mucositis model.	上海交通大学	Biomedicine & Pharmacotherapy, 2011, online	2.238	2011-73
Instrument	LuxScan 10K/A/BioMix II	Yang, L., et al., Systematic evaluation of genome-wide methylated DNA enrichment using a CpG island array.	中科院心理研究所	BMC Genomics, 2011, 12(1): 10	3.759	2011-58
Instrument	SmartArrayer 48	Han, H., et al., Improvement of the durability of porous silicon through functionalisation for biomedical applications.	南京大学	Thin Solid Films, 2011, 519(10): 3325-3333	1.727	2011-51
Instrument	LuxScan 10K/A	De Knop, K., et al., Age-related sensitization profiles for hazelnut (Corylus avellana) in a birch-endemic region.	University of Antwerp	Pediatric Allergy and Immunology, 2011, 22(1pt2): e139-e149	2.676	2011-35
Instrument / 耗材	Smart Arrayer 48	Sun, H., et al., Rapid simultaneous screening of seven clinically important enteric pathogens using a magnetic bead based DNA microarray.	珠海出入境检验检疫局	World Journal of Microbiology & Biotechnology, 2011, 27(1): 163-169	1.082	2011-39



Instrument	Smart Arrayer 36 / LuxScan 10K/A	Huang, L., et al., Identification of a gene-expression signature for predicting lymph node metastasis in patients with early stage cervical carcinoma.	中山大学	Cancer, 2011, on line	5.418	2011-31
Instrument	LuxScan 10K/A	Verweij, M., et al., Young infants with atopic dermatitis can display sensitization to Cor a 9, an 11S legumin-like seed-storage protein from hazelnut ( <i>Corylus avellana</i> ).	University of Antwerp	Pediatric Allergy and Immunology, 2011, 22(2):196-201	2.676	2011-32
Instrument	Personal Arrayer 16	Lv, F., et al., Development of film sensors based on conjugated polymers for copper (II) ion detection.	中国科学院化学研究所	Advanced Functional Materials, 2011, 21(5):845-850	6.990	2011-26
Instrument	RT-Cycler	Lu, X., et al., Identification and characterization of a novel cathelicidin from ayu, <i>Plecoglossus altivelis</i> .	宁波大学	Fish & Shellfish Immunology, 2011, on line	2.892	2011-24
Instrument	LuxScan 10K/A	Liao, L., et al., Molecular characterization of early adenocarcinoma of the uterine cervix by oligonucleotide microarray.	中山大学	Archives of Gynecology and Obstetrics, 2011,283(4):861-869	0.912	2011-16
Instrument	Smart Arrayer 48	Pei, J., et al., Covalently derivatized NTA microarrays on porous silicon for multi-mode detection of His-tagged proteins.	南京大学	Science China Chemistry, 2011,54(3):526-535	0.830	2011-18
<b>2010</b>		<b>CapitalBio Instruments</b>				
Instrument	LuxScan 10K	Wu, Z., et al., Interleukin 1 receptor antagonist reduces lethality and intestinal toxicity of 5-fluorouracil in a mouse mucositis model.	上海交通大学	Biomedicine & Pharmacotherapy, 2010, online.	2.238	2010-43
Instrument	LuxScan 10K/A	Gong, P., et al., Transcriptional profiles of drought-responsive genes in modulating transcription signal transduction, and biochemical pathways in tomato.	华中农业大学	Journal of Experimental Botany, 2010, 61(13): 3563-3575.	4.271	2010-36
Instrument	LuxScan 10K	Zhao, H., et al., Massively parallel display of genomic DNA fragments by rolling-circle amplification and strand displacement amplification on chip.	东南大学	Talanta, 2010, on line.	3.206	2010-29
Instrument	Smart Arrayer 48	Chen, Q., et al., A visual chip-based coimmunoprecipitation technique for analysis of protein-protein interactions.	南京大学	Analytical Biochemistry, 2010, on line.	3.088	2010-22
Instrument	LuxScan 10K	Shi, X., et al., Multiplex detection of CpG methylation using microarray combining with 2 target-selection-padlock probe.	东南大学	Clinica Chimica Acta, 2010, on line.	2.960	2010-18
Instrument	Smart Arrayer 48	Gao, J., et al., Antibody microarray-based strategies for detection of bacteria by lectin-conjugated gold nanoparticle probes.	长春应化所	Talanta, 2010, on line.	3.206	2010-19
Instrument	RT-Cycler	Lu, X., et al., Proteomic analysis on the alteration of protein expression in gills of ayu ( <i>Plecoglossus altivelis</i> ) associated with salinity change.	宁波大学	Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics, 2010, on line.	1.543	2010-20
Instrument	LucScan 10K	Ebo, D., et al., Sensitization profiles in birch pollen-allergic patients with and without oral allergy syndrome to apple: lessons from multiplexed component-resolved allergy diagnosis.	University of Antwerp	Clinical & Experimental Allergy, 2010, 40: 339-347.	3.556	2010-12
Instrument	LucScan 10K	Ebo, D., et al., Component-resolved diagnosis from latex allergy by microarray.	University of Antwerp	Clinical & Experimental Allergy, 2010, 40 (2): 348-358	3.556	2010-13
<b>2009</b>		<b>CapitalBio Instruments</b>				
Instrument	Smart Arrayer 48	Zhu, Y., et al., microRNA expression profiles associated with phosphorus deficiency in white lupin ( <i>Lupinus albus</i> L.)	南京农业大学大学生科院	Plant Science, 2010, 178 : 23 –29.	1.974	2009-41
Instrument	LucScan 10K/A	Zhao, M., et al., Dual knockdown of N-ras and epiregulin synergistically suppressed the growth of human hepatoma cells.	中国医学科学院北京协和医学院	Biochemical and Biophysical Research Communications, 2009, 387(2): 239- 244.	2.648	2009-30
Instrument	Smart Arrayer 48	Li, T., et al., Microarray-based Raman spectroscopic assay for kinase inhibition by gold nanoparticle probes.	长春应化所	Biosensors and Bioelectronics, 2009, 24(11): 3335-3339.	5.143	2009-25
Instrument	RT-cycler	Chen, L., et al., Gold nanoparticle enhanced immuno-PCR for ultrasensitive detection of Hantaan virus nucleocapsid protein.	武汉病毒所	Journal of Immunological Methods, 2009, 346(1-2):64-70	2.120	2009-26

Instrument	Smart Arrayer 48	简强等, 凝集素芯片技术检测蛋白方法的建立及初步应用.	西北大学生命科学学院	生物化学与生物物理进展, 2009, 36(2): 254-259.	0.211	2009-16
Instrument	RT-cycler	Kang, Y., et al., Antioxidative effect of the herbal remedy Qin Huo Yi Hao and its active component tetramethylpyrazine on high glucose-treated endothelial cells	中科院上海药物所	Life Sciences, 2009, 84(13-14): 428-436.	2.583	2009-12
Instrument	LuxScan 10K	Luo, J., et al., Detection method for methylation density on microarray using methyl-CpG binding domain protein.	东南大学	Analytical Biochemistry, 2009, 387(2):143-149.	3.088	2009-13
Instrument	LuxScan 10K/A	Li, X., et al., Genotyping of multiple single nucleotide polymorphisms with hyperbranched rolling circle amplification and microarray.	东南大学	Clinica Chimica Acta, 2009, 399: 40– 44.	2.960	2009-01
<b>2008</b>	<b>Type</b>	<b>CapitalBio Instruments</b>	<b>Source</b>	<b>Journal</b>	<b>Impact factor</b>	<b>Pdf code</b>
Instrument	Smart Arrayer 48	Liu, B., et al., Deep-sea thermophilic Geobacillus bacteriophage GVE2 transcriptional profile and proteomic characterization of virions.	国家海洋局第三海洋研究所	Applied Microbiology and Biotechnology, 2008, 80(4): 697-707.	2.569	2008-51
Instrument	LuxScan 10K/A	Wang, J., et al., Characterizing the interaction between aptamers and human IgE by use of surface plasmon resonance.	南京大学生命分析化学教育部重点实验室	Analytical and Bioanalytical Chemistry, 2008, 390:1059–1065.	3.328	2008-50
Instrument	LuxScan 10K/A	Zhou, D., et al, Methylation pattern analysis using high throughput microarray of solid-phase hyperbranched rolling circle amplification products.	东南大学	Electrophoresis, 2008, 29: 626-633.	3.509	2008-49
Instrument	LuxScan 10KA/ Smart arrayer 48	Chen, P., et al., Identification of N-glycan of alpha-fetoprotein by lectin affinity microarray.	复旦大学中山医院糖尿病研究所	Journal of Cancer Research and Clinical Oncology, 2008, 134(8): 851- 860.	2.217	2008-40
Instrument	Smart Arrayer 48	Li, T., et al., Microarray based Raman spectroscopic detection with gold nanoparticle probe.	长春应化所	Biosensors and Bioelectronics, 2008, 23(7): 1125–1130.	5.143	2008-06
<b>2007</b>	<b>Type</b>	<b>CapitalBio Instruments</b>				
Instrument	LuxScan 10K/A	Sun, L., et al., Microarray-based kinase inhibition assay by gold nanoparticle probes.	长春应化所	Analytical Chemistry. 2007, 79(2): 773- 777.	5.712	2007-24
<b>2006</b>	<b>Type</b>	<b>CapitalBio Instruments</b>				
Instrument	LuxScan 10K	王雅杰等, 激光共聚焦扫描检测丙型肝炎蛋白芯片的临床应用.	首都医科大学附属北京天坛医院	中华检验医学杂志, 2006, 29(6):508-511.	N/A	2006-11
Instrument	LuxScan 10K/A	Wen, L., et al., Use of a serotype-specific DNA microarray for identification of group B Streptococcus (Streptococcus agalactiae).	南开大学泰达生物技术学院	Journal of Clinical Microbiology, 2006, 44(4): 1447–1452.	3.945	2006-09

### SOFTWARE

2011	Type	CapitalBio Software	Source	Journal	Impact factor	Pdf code
Software	MAS	Yang, J., et al., Chloroplast-located BjFer1 together with anti-oxidative genes alleviate hydrogen peroxide and hydroxyl radical injury in cytoplasmic male-sterile Brassica juncea.	浙江大学	Molecular Biology Reports, 2011,Online	1.875	2011-97
Software	MAS	Sun, L., et al., Glycogen Debranching Enzyme 6 (AGL), Enolase 1 (ENOSF1), Ectonucleotide Pyrophosphatase 2 (ENPP2_1), Glutathione S-Transferase 3 (GSTM3_3) and Mannosidase (MAN2B2) Metabolism Computational Network Analysis Between Chimpanzee and Human Left Cerebrum.	北京邮电大学	Cell Biochemistry and Biophysics, 2011, online.	4.312	2011-88
Software	MAS	Yu, J., et al., Integrating miRNA and mRNA expression profiles in response to heat stress-induced injury in rat small intestine	中国农业大学	Functional & Integrative Genomics, 2011, 11(2):203-213.	3.825	2011-54

Software	MAS	Sun, J., et al., Integration of gene chip and topological network techniques to screen a candidate biomarker gene (CBG) for predication of the source water carcinogenesis risks on mouse <i>Mus musculus</i>	南京大学	Ecotoxicology, 2011, Online	3.507	2011-55
Software	MAS	Wang, L., et al., Cyclin-dependent kinase inhibitor 3 (CDKN3) novel cell cycle computational network between human non-malignancy associated hepatitis/cirrhosis and hepatocellular carcinoma (HCC) transformation.	清华大学	Cell Proliferation, 2011,44(3):291-299	2.917	2011-40
Software	MAS	Zhang, Y., et al., Preliminary evaluation of gene expression profiles in liver of mice exposed to Taihu Lake drinking water for 90 days.	南京大学	Ecotoxicology,2011,on line	3.507	2011-44
Software	MAS	Wang, S. et al., Protein profiling predicts the response to anthracycline and taxanes based neo-adjuvant chemotherapy in breast cancer.	北京大学	BioChip Journal, 2011,5(1):32-38	1.84	2011-45
Software	MAS	Hu, N., et al., MiR-520b Regulates Migration of Breast Cancer Cells by Targeting Hepatitis B X-interacting Protein and Interleukin-8.	南开大学	Cell Biology,2011,286: 13714 - 13722	1.800	2011-38
Software	MAS 3.0	Wang, L., et al., Survivin (BIRC5) cell cycle computational network in human no-tumor hepatitis/cirrhosis and hepatocellular carcinoma transformation.	清华大学	Journal of Cellular Biochemistry, 2011, on line	2.935	2011-19

### TOOLS

2011	Type	Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	miRNA chip	Shen, E., et al., MicroRNAs Involved in the Mitogen-Activated Protein Kinase Cascades Pathway During Glucose-Induced Cardiomyocyte Hypertrophy.	待定	The American Journal of Pathology, 2011, online.	待定	2011-85
Chip	Pathogenic <i>Vibrio</i> spp chip	Chen, W., et al., Development of a single base extension-tag microarray for the detection of pathogenic <i>Vibrio</i> species in seafood.	上海交通大学	Applied Microbiology and Biotechnology, 2011, 89(6): 1979-1990	2.896	2011-10
Chip	<i>Scylla paramamosain</i> expression chip	Zou, Z., et al., EST analysis on the gonad development related organs and microarray screen for differentially expressed genes in mature ovary and testis of <i>Scylla paramamosain</i> .	集美大学水产学院	Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2011,6(2): 150-157.	1.758	2011-23
Chip	Mammal expression chip	Yin, H., et al., Novel mechanism of ethaselen in poorly differentiated colorectal RKO cell growth inhibition: Simultaneous regulation of TrxR transcription, expression and enzyme activity.	待定	Differentiation, 2011, 81(1): 49-56.	3.311	2011-52
Chip	Human expression chip	Sun, L., et al., P-Cadherin Promotes Liver Metastasis and is Associated with Poor Prognosis in Colon Cancer.	待定	The American Journal of Pathology, 2011,179(1): 380-390.	5.673	2011-68
2010	Type	Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	Custom <i>E. coli</i> chip	Wang, Q., et al., Development of a DNA Microarray for Detection and Serotyping of Enterotoxigenic <i>Escherichia coli</i> .	南开大学泰达生物技术学院	Journal of Clinical Microbiology, 2010, 2066-2074.	4.162	2010-34
Chip	Custom <i>E. coli</i> chip	Liu, B., et al., Development of a serogroup-specific DNA microarray for identification of <i>Escherichia coli</i> strains associated with Bovine Septicemia and Diarrhea.	南开大学泰达生物技术学院	Veterinary Microbiology, 2010, on line.	2.370	2010-14
2009	Type	Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	Custom pathogen chip	Liu, B., et al., Development of a serogroup-specific DNA microarray for identification of <i>Escherichia coli</i> strains associated with Bovine Septicemia and Diarrhea.	南开大学泰达生物技术学院	Veterinary Microbiology, 2009, On line.	2.370	2009-42
Chip	Custom pathogen chip	Wang, M., et al., Detection of <i>Enterobacter sakazakii</i> and other pathogens associated with powdered infant formula using a DNA microarray.	南开大学泰达生物技术学院	Journal of Clinical Microbiology, 2009, on line.	3.945	2009-34

2008		Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	Protein array	Zhou, Y., et al., Using the protein chip to screen agonists and antagonists of the androgen receptor.	协和医科大学	Journal of Biomolecular Screening, 2008; 13: 276 - 284.	2.365	2008-53
Chip	<i>P. falciparum</i> resistance mutation chip	Zhang, G., et al., Multiplex PCR and oligonucleotide microarray for detection of single-nucleotide polymorphisms associated with <i>Plasmodium falciparum</i> drug resistance.	中国疾病预防控制中心	Journal of Clinical Microbiology, 2008, 46(7):2167–2174.	3.945	2008-35
2007		Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	Phage display chip	Bin, Q., et al., A protein microarray prepared with phage-displayed antibody clones.	北京大学	Biosensors and Bioelectronics, 2007, 22(12): 3278–3282.	5.143	2007-33
2006		Miscellaneous	Source	Journal	Impact factor	Pdf code
Chip	Serotype specific array	Li, Y., et al., Development of a serotype-specific DNA microarray for identification of some <i>Shigella</i> and pathogenic <i>Escherichia coli</i> strains.	南开大学泰达生物科技学院	Journal of Clinical Microbiology, 2006, 44(12): 4376 - 4383.	3.945	2006-10

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