

## Affymetrix 西红柿表达谱芯片服务

芯片推荐: Affymetrix GeneChip® Tomato Genome Array

芯片介绍: 西红柿是重要的经济作物。Affymetrix 西红柿基因组芯片可用于检测西红柿 (*Lycopersicon esculentum*) 的基因表达情况。该款芯片包含超过 10,000 个探针组, 涵盖了 9,200 个转录本。序列信息来源于 *Lycopersicon esculentum* UniGene Build #20 (October 3, 2004) 以及 GenBank® mRNAs(November 5, 2004)。

## Agilent Tomato 西红柿

安捷伦最新推出的西红柿全基因组表达谱芯片所用的序列信息源于WormBase、RefSeq、Unigene和 TIGR 等知名数据库, 代表了超过 42,000 个基因和转录本。对研究者而言, 这意味着他们可以方便地利用高质量的微阵列分析, 在全基因组水平对未知基因的生物学功能获得新发现。

Feature	Specification
Product Number	G2519F
Design ID	022297
Slide Format	4 x 44K
Microarrays / Slide	4
Slides / Kit	1
Microarrays / Kit	4
Features / Microarray	45,018
Genes / Microarray	~42,034 RefSeq (Release 31), Sep 2008
Content Source	Unigene (Build 33), Oct 2008 TIGR Plant Transcript Assemblies (Release 5), Jul 2008 TIGR Gene Indices (Release 12), Jul 2008

Complex genetic, photothermal, and photoacoustic analysis of nanoparticle-plant interactions  
Khodakovskaya, M. V. *et al.* Proceedings of the National Academy of Sciences of the United States of America 108(3), 1028-33, 2011 [PubMed](#)

Differential Tomato Transcriptomic Responses Induced by Pepino Mosaic Virus Isolates with Differential Aggressiveness

Hanssen, I. M. *et al.* *Plant Physiology* 156(1), 301–18, 2011 [PubMed](#)

Dynamic Alternations in Cellular and Molecular Components during Blossom-End Rot Development in Tomatoes Expressing sCAX1, a Constitutively Active Ca(2+)/H(+) Antiporter from Arabidopsis

de Freitas, S. T. *et al.* *Plant Physiology* 156(2), 844–55, 2011 [PubMed](#)

Enhancement of fruit shelf life by suppressing N-glycan processing enzymes

Meli, V. S. *et al.* *Proceedings of the National Academy of Sciences of the United States of America* 107(6), 2413–8, 2010 [PubMed](#)

Microarray Analysis of the Abscission-Related Transcriptome in the Tomato Flower Abscission Zone in Response to Auxin Depletion

Meir, S. *et al.* *Plant Physiology* 154(4), 1929–56, 2010 [PubMed](#)

Gene regulation in parthenocarpic tomato fruit

Martinelli, F. *et al.* *Journal of Experimental Botany* 60(13), 3873–90, 2009 [PubMed](#)

Microarray analysis of gene expression profile induced by the biocontrol yeast *Cryptococcus laurentii* in cherry tomato fruit

Jiang, F. *et al.* *Gene* 430(1–2), 12–6, 2009 [PubMed](#)

Tomato Transcriptional Responses to a Foliar and a Vascular Fungal Pathogen Are Distinct

van Esse, H. P. *et al.* *Molecular Plant-Microbe Interactions* 22(3), 245–58, 2009 [PubMed](#)

Quantitative Phosphoproteomics of Tomato Mounting a Hypersensitive Response Reveals a Swift Suppression of Photosynthetic Activity and a Differential Role for Hsp90 Isoforms

Stulemeijer, I. J. E. *et al.* *Journal of Proteome Research* 8(3), 1168–82, 2009 [PubMed](#)

INFL Elicitin Activates Jasmonic Acid- and Ethylene-mediated Signalling Pathways and Induces Resistance to Bacterial Wilt Disease in Tomato

Kawamura, Y. *et al.* *Journal of Phytopathology* 157(5), 287–97, 2009 [PubMed](#)

Transcriptomic analysis of tomato carpel development reveals alterations in ethylene and gibberellin synthesis during pat3/pat4 parthenocarpic

fruit set

Pascual, L. *et al.* BMC Plant Biology 9(), NPG, 2009 [PubMed](#)

Ripening-Regulated Susceptibility of Tomato Fruit to Botrytis cinerea Requires NOR But Not RIN or Ethylene

Cantu, D. *et al.* Plant Physiology 150(3), 1434-49, 2009 [PubMed](#)

Transcriptional profiling of maturing tomato (*Solanum lycopersicum* L.) microspores reveals the involvement of heat shock proteins, ROS scavengers, hormones, and sugars in the heat stress response

Frank, G. *et al.* Journal of Experimental Botany 60(13), 3891-908, 2009 [PubMed](#)

Oligonucleotide array discovery of polymorphisms in cultivated tomato (*Solanum lycopersicum* L.) reveals patterns of SNP variation associated with breeding

Sim, S. C. *et al.* BMC Genomics 10(), NPG, 2009 [PubMed](#)

Functional Analysis of alpha-DOX2, an Active alpha-Dioxygenase Critical for Normal Development in Tomato Plants

Bannenber, G. *et al.* Plant Physiology 151(3), 1421-32, 2009 [PubMed](#)