

## Match Overview

1	<b>Crossref</b> 54 words Jayapriya Johnson, Ganesh Lakshmanan, Biruntha M, Vidhya vathi R.M, Kohila Kalimuthu, Durairaj Sekar. "Computational i	4%
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3	<b>Crossref</b> 28 words M. Adams, J. Kelley, J. Gocayne, M. Dubnick, M. Polymeropo ulos, H. Xiao, C. Merrill, A. Wu, B. Olde, R. Moreno, a. et. "C...	2%
4	<b>Crossref</b> 19 words Li-Hsin Chen, Guang-Yuh Chiou, Yi-Wei Chen, Hsin-Yang Li, Shih-Hwa Chiou. "microRNA and aging: A novel modulator i...	1%
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7	<b>Crossref</b> 13 words Ramanjulu Sunkar. "In silico identification of conserved micr... RNAs in large number of diverse plant species", BMC Plant B	1%

**Name of Journal:** *World Journal of Diabetes*

**Manuscript NO:** 57843

**Manuscript Type:** FIELD OF VISION

**Identification of miR-802-5p and its involvement in Type-2 Diabetes Mellitus**

Identification of miR-802-5p

### Abstract

microRNAs (miRNA) are recently discovered endogenous, small non-coding RNAs (of 22nts) that play pivotal roles in gene regulations. They are involved in post-transcriptional control of gene expression. miRNAs are emerging as important regulators of cell proliferation, development, cancer formation, stress responses, cell death and physiological conditions. Increasing evidence has demonstrated the human miRNAs bind to their target mRNA sequences with perfect or near-perfect sequence complementarily. This provides a powerful strategy for discovering potential Type 2 diabetes mellitus (T2DM) targets and gives the probability to exploit them for





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## Epigenetic mechanisms of endothelial dysfunction in type 2 ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4443613>

May 23, 2015 · Introduction. **Type-2 diabetes mellitus** (T2DM) is a chronic multifactorial metabolic disease caused by a complex interaction between environmental and genetic factors [].T2DM is a source of disability and morbidity related mainly to vascular complications which underlie the development of retinopathy, nephropathy, neuropathy, ischemic heart disease, and peripheral vasculopathy [2, 3].

**Cited by:** 53**Author:** Francesco Prattichizzo, Angelica Giuliani, A...**Publish Year:** 2015

## Methylation dependent microRNA 1285-5p and sterol carrier ...

<https://www.ncbi.nlm.nih.gov/pubmed/31407919>

**Diabetes mellitus** (DM) is one of the severe metabolic diseases found in all types of people's lives in lower, middle and high income countries. It is suggested that the prevalence of **diabetes** is increasing in many countries and most of the cases are **type 2** DM, clinical treatments are changing now to manage **type 2** DM, however, up-to-date, there ...

**Cited by:** 1**Author:** Lian Bai, Junwu Li, Mani Panagal, M Birunt...**Publish Year:** 2019

## Identification and characterization of differentially ...

<https://pubmed.ncbi.nlm.nih.gov/30708140>

**Diabetes mellitus** is clinically characterized by hyperglycemia. Though many studies have been done to understand the mechanism of **Type 2 Diabetes** (T2D), however, the complete network of **diabetes and its** associated disorders through polygenic **involvement** is still under debate. The present study desig ...

**Cited by:** 5**Author:** Manoj Kumar Gupta, Ramakrishna Vadde**Publish Year:** 2019



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## Methylation dependent microRNA 1285-5p and sterol carrier ...

<https://www.ncbi.nlm.nih.gov/pubmed/31407919>

**Diabetes mellitus** (DM) is one of the severe metabolic diseases found in all types of people's lives in lower, middle and high income countries. It is suggested that the prevalence of **diabetes** is increasing in many countries and most of the cases are **type 2** DM, clinical treatments are changing now to manage **type 2** DM, however, up-to-date, there ...

Cited by: 1

Author: Lian Bai, Junwu Li, Mani Panagal, M Biru...

Publish Year: 2019

## Role of Regulatory Micro RNAs in Type 2 Diabetes Mellitus ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3464406>

**Type 2 diabetes mellitus** (T2DM) has an increasing worldwide epidemic with serious complications. However, T2DM is a chronic process, and from early metabolic alterations to manifest complications decades may pass, during which our diagnostic arsenal is limited.

Cited by: 11

Author: Péter Hamar

Publish Year: 2012

## Identification and characterization of differentially ...

<https://pubmed.ncbi.nlm.nih.gov/30708140>

**Diabetes mellitus** is clinically characterized by hyperglycemia. Though many studies have been done to understand the mechanism of **Type 2 Diabetes** (T2D), however, the complete network of **diabetes and its** associated disorders through polygenic **involvement** is still under debate. The present study desig ...

Cited by: 5

Author: Manoj Kumar Gupta, Ramakrishna Vadde

Publish Year: 2019

## Circulating microRNA as a diagnostic marker in populations ...

<https://www.sciencedirect.com/science/article/pii/S1726490114003098>

Apr 01, 2015 · 1. Introduction. **Diabetes mellitus** (DM), a global public health issue, was estimated to affect ~450 million people, and the economic cost is projected at \$490 billion/year by 2030. 1 The disease results from insufficient production of the pancreatic hormone insulin (type 1 DM, T1DM) or from ineffective insulin action (**type 2** DM, T2DM). 2 As for T1DM, in addition to conventional insulin ...