

## General search

List as:  
 Entries  miRNAs

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## Specific search

miRNA name:

and:

Disease:

List as:  
 Entries  miRNAs

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## About phenomiR Download

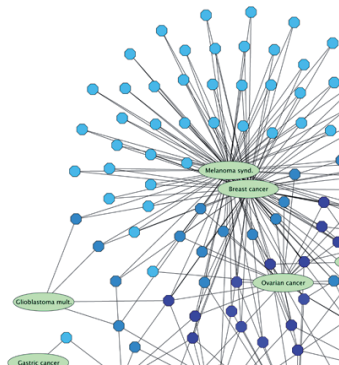
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## Welcome to PhenomiR

The PhenomiR database provides information about differentially regulated miRNA expres content of PhenomiR is completely generated by manual curation of experienced annotati articles and resulted in more than 500 database entries as of December 2008.

The design principle of PhenomiR is to use established ontologies and resources. For anno Map, bioprocesses are described with terms from Gene Ontology and for annotation of tiss



## General information

Database id: 5  
 Pubmed ID: **16728577**  
 Taxonid: Homo sapiens (9606)  
 Bioprocess: disease  
 Disease: **Thyroid carcinoma, papillary**  
 Disease int:  
 Comment:

## Study information

Study design: Patient study phenotype-control  
 Patients: 30  
 Control: 10  
 Samples information:  
 Tissue/Cell line: **thyroid gland**  
 Tissue comment:

## miRNA list

Nr	miRNA	Method	Further methods	Evidence	Foldchange	Genes
1	hsa-mir-181a-1	miRNA microarray		miRNA overexpression	2.13	
2	hsa-mir-181b-1	miRNA microarray	Northern Blot	miRNA overexpression	2.97	
3	hsa-mir-220a	miRNA microarray		miRNA overexpression	2.35	
4	hsa-mir-221	miRNA microarray	Northern Blot	miRNA overexpression	3.66	<b>CDKN1B</b>
5	hsa-mir-222	miRNA microarray	Northern Blot	miRNA overexpression	4.63	<b>CDKN1B</b>

## Detailed information about selected miRNA

miRNA: **hsa-mir-221**  
 miRNA comment: Blocking miR-221 expression inhibits thyroid carcinoma cell growth in a human PTC cell line (NPA).  
 Method: miRNA microarray  
 Further methods: Northern Blot  
 Evidence: miRNA overexpression  
 Foldchange: 3.66

## Genes associated with selected miRNA

target gene	regulation	mechanism of regulation	comment
<b>CDKN1B</b>	down	translational repression	

## Disease list

Your search returned 9 results

No.	id	Disease	Disease int	Tissue/Cell line	PubmedID	Study design
1	1	Thyroid carcinoma, papillary - 188550		thyroid gland	16365291	Patient study phenotype-control
2	8	Thyroid carcinoma, papillary - 188550		thyroid gland	16728577	Patient study phenotype-control
3	94	Cancer - 0	Thyroid carcinoma, anaplastic - 0	gnaplastic thyroid cancer cell line	18429962	Cell culture study
4	100	Thyroid carcinoma, papillary - 188550		thyroid gland	18270258	Patient study phenotype-control
5	101	Thyroid carcinoma, follicular - 188470	Follicular thyroid carcinoma, conventional - 0	thyroid gland	18270258	Patient study phenotype-control
6	102	Thyroid carcinoma, follicular - 188470	Follicular thyroid carcinoma, oncocytic - 0	thyroid gland	18270258	Patient study phenotype-control
7	103	Cancer - 0	Thyroid carcinoma, anaplastic - 0	thyroid gland	18270258	Patient study phenotype-control
8	104	Cancer - 0	Thyroid carcinoma, poorly differentiated - 0	thyroid gland	18270258	Patient study phenotype-control
9	108	Thyroid carcinoma, follicular - 188470	Thyroid carcinoma, oncocytic follicular adenoma - 0	thyroid gland	18270258	Patient study phenotype-control