

PPARG (Pro12Ala) genetic variant and risk of T2DM: a systematic review and meta-analysis

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Electronic Search Databases

1. Pubmed Search Strategy

((diabetes[tiab] AND "Type 2"[tiab]) OR "diabetes type 2"[ti] OR "diabetes type II"[ti] OR "type II diabetes"[ti] OR "dm 2"[ti] OR "Type 2 diabetes mellitus"[ti] OR "diabetes mellitus type 2"[ti] OR "diabetes mellitus type ii"[ti] OR ("Diabetes Mellitus"[ti] AND "Type II"[ti]) OR "Type 2 Diabetes Mellitus"[ti] OR ("diabetes mellitus"[ti] AND "type 2"[ti]) OR "insulin independent diabetes"[ti] OR "non insulin dependent diabetes"[ti] OR "noninsulin dependent diabetes"[ti] OR ("Diabetes Mellitus"[ti] AND noninsulin-dependent[ti]) OR ("Diabetes Mellitus"[ti] AND "Non Insulin Dependent"[ti]) OR ("Diabetes Mellitus"[ti] AND non-insulin-dependent[ti]) OR "Non-Insulin-Dependent Diabetes Mellitus"[ti] OR "insulin independent diabetes mellitus"[ti] OR ("Diabetes Mellitus"[ti] AND "Noninsulin Dependent"[ti]) OR "Noninsulin-Dependent Diabetes Mellitus"[ti] OR "Noninsulin Dependent Diabetes Mellitus"[ti] OR niddm[ti] OR "Maturity-Onset Diabetes Mellitus"[ti] OR "Maturity Onset Diabetes Mellitus"[ti] OR "Maturity-Onset Diabetes"[ti] OR (diabetes[ti] AND maturity-onset[ti]) OR "Maturity Onset Diabetes" OR mody[ti] OR "maturity onset diabetes of the young"[ti] OR "adult onset diabetes"[ti] OR "adult onset diabetes mellitus"[ti] OR (diabetes[ti] AND "adult onset"[ti]) OR ("Diabetes Mellitus"[ti] AND adult-onset[ti]) OR ("Diabetes Mellitus"[ti] AND "Adult Onset"[ti]) OR "Adult-Onset Diabetes Mellitus"[ti] OR ("Diabetes Mellitus"[ti] AND ketosis-resistant[ti]) OR ("Diabetes Mellitus"[ti] AND "Ketosis Resistant"[ti]) OR "Ketosis-Resistant Diabetes Mellitus"[ti] OR "ketosis resistant diabetes mellitus"[ti] OR ("Diabetes Mellitus"[ti] AND stable[ti]) OR "Stable Diabetes Mellitus"[ti] OR ("Diabetes Mellitus"[ti] AND maturity-onset[ti]) OR ("Diabetes Mellitus"[ti] AND "Maturity Onset"[ti]) OR ("Diabetes Mellitus"[ti] AND slow-onset[ti]) OR ("Diabetes Mellitus"[ti] AND "Slow Onset"[ti]) OR "Slow-Onset Diabetes Mellitus"[ti]) AND

(ppargamma[ti] OR "PPAR gamma"[ti] OR ppar-gamma[ti] OR ppar-gamma[ti] OR "PPAR gamma"[ti] OR ppargamma[ti] OR "PPAR G"[ti] OR ppar-g[ti] OR "peroxisome proliferator-activated receptor gamma"[tiab] OR "peroxisome proliferator-activated receptor G"[ti] OR "Peroxisome Proliferator-Activated Nuclear Receptor Gamma"[ti] OR "Peroxisome Proliferator Activated Receptor gamma"[ti] OR ("Peroxisome Proliferative Activated Receptor"[ti] AND gamma[ti]) OR "PPARgamma3"[ti] OR PPARgamma2[ti] OR mPPARgamma1[ti] OR mPPARgamma2[ti] OR PPARG1[ti] OR PPARG2[ti] OR PPARG3[ti]) AND 1990/01/01:2017/10/30[dp]

2. Scopus Search Strategy

((TITLE-ABS(diabetes) AND TITLE-ABS("Type 2")) OR TITLE("diabetes type 2") OR TITLE("diabetes type II") OR TITLE("type II diabetes") OR TITLE("dm 2") OR TITLE("Type 2 diabetes mellitus") OR TITLE("diabetes mellitus type 2") OR TITLE("diabetes mellitus type ii") OR (TITLE("Diabetes Mellitus") AND TITLE("Type II"))) OR TITLE("Type 2 Diabetes Mellitus") OR (TITLE("diabetes mellitus") AND TITLE("type 2"))) OR TITLE("insulin independent diabetes") OR TITLE("non insulin dependent diabetes") OR TITLE("noninsulin dependent diabetes") OR (TITLE("Diabetes Mellitus") AND TITLE(noninsulin-dependent)) OR (TITLE("Diabetes Mellitus") AND TITLE("Non Insulin Dependent"))) OR (TITLE("Diabetes Mellitus") AND TITLE(non-insulin-dependent)) OR TITLE("Non-Insulin-Dependent Diabetes Mellitus") OR TITLE("insulin independent diabetes mellitus") OR (TITLE("Diabetes Mellitus") AND TITLE("Noninsulin Dependent"))) OR TITLE("Noninsulin-Dependent Diabetes Mellitus")

OR TITLE("Noninsulin Dependent Diabetes Mellitus") OR TITLE(niddm) OR TITLE("Maturity-Onset Diabetes Mellitus") OR TITLE("Maturity Onset Diabetes Mellitus") OR TITLE("Maturity-Onset Diabetes") OR (TITLE(diabetes) AND TITLE(maturity-onset)) OR TITLE("Maturity Onset Diabetes") OR TITLE(mody) OR TITLE("maturity onset diabetes of the young") OR TITLE("adult onset diabetes") OR TITLE("adult onset diabetes mellitus") OR (TITLE(diabetes) AND TITLE("adult onset")) OR (TITLE("Diabetes Mellitus") AND TITLE(adult-onset)) OR (TITLE("Diabetes Mellitus") AND TITLE("Adult Onset")) OR TITLE("Adult-Onset Diabetes Mellitus") OR (TITLE("Diabetes Mellitus") AND TITLE(ketosis-resistant)) OR (TITLE("Diabetes Mellitus") AND TITLE("Ketosis Resistant")) OR TITLE("Ketosis-Resistant Diabetes Mellitus") OR TITLE("ketosis resistant diabetes mellitus") OR (TITLE("Diabetes Mellitus") AND TITLE(stable)) OR TITLE("Stable Diabetes Mellitus") OR (TITLE("Diabetes Mellitus") AND TITLE(maturity-onset)) OR (TITLE("Diabetes Mellitus") AND TITLE("Maturity Onset")) OR (TITLE("Diabetes Mellitus") AND TITLE(slow-onset)) OR (TITLE("Diabetes Mellitus") AND TITLE("Slow Onset")) OR TITLE("Slow-Onset Diabetes Mellitus")) AND (TITLE(ppargamma) OR TITLE("PPAR gamma") OR TITLE(ppar-gamma) OR TITLE(ppar-gamma) OR TITLE("PPAR gamma") OR TITLE(ppargamma) OR TITLE("PPAR G") OR TITLE(ppar-g) OR **TITLE-ABS("peroxisome proliferator-activated receptor gamma")**) OR TITLE("peroxisome proliferator-activated receptor G") OR TITLE("Peroxisome Proliferator-Activated Nuclear Receptor Gamma") OR TITLE("Peroxisome Proliferator Activated Receptor gamma") OR (TITLE("Peroxisome Proliferative Activated Receptor") AND TITLE(gamma)) OR TITLE("PPARgamma3") OR TITLE(PPARgamma2) OR TITLE(mPPARgamma1) OR TITLE(mPPARgamma2) OR TITLE(PPARG1) OR TITLE(PPARG2) OR TITLE(PPARG3)) AND ((PUBYEAR > 1989 AND PUBYEAR < 2016) OR (PUBDATETXT(JAN 2017) OR

PUBDATETXT(FEB 2017) OR PUBDATETXT(MAR 2017) OR PUBDATETXT(APR 2017)
OR PUBDATETXT(MAY 2017) OR PUBDATETXT(JUNE 2017) OR PUBDATETXT(JULY
2017) OR PUBDATETXT(AUG 2017) OR PUBDATETXT(SEP 2017) OR
PUBDATETXT(OCT 2017))

3. Web of Sciences Search Strategy

((TS=(diabetes) AND TS=("Type 2")) OR TI=("diabetes type 2") OR TI=("diabetes type II") OR
TI=("type II diabetes") OR TI=("dm 2") OR TI=("Type 2 diabetes mellitus") OR TI=("diabetes
mellitus type 2") OR TI=("diabetes mellitus type ii") OR (TI=("Diabetes Mellitus") AND
TI=("Type II")) OR TI=("Type 2 Diabetes Mellitus") OR (TI=("diabetes mellitus") AND
TI=("type 2")) OR TI=("insulin independent diabetes") OR TI=("non insulin dependent diabetes")
OR TI=("noninsulin dependent diabetes") OR (TI=("Diabetes Mellitus") AND TI=(noninsulin-
dependent)) OR (TI=("Diabetes Mellitus") AND TI=("Non Insulin Dependent")) OR
(TI=("Diabetes Mellitus") AND TI=(non-insulin-dependent)) OR TI=("Non-Insulin-Dependent
Diabetes Mellitus") OR TI=("insulin independent diabetes mellitus") OR (TI=("Diabetes
Mellitus") AND TI=("Noninsulin Dependent")) OR TI=("Noninsulin-Dependent Diabetes
Mellitus") OR TI=("Noninsulin Dependent Diabetes Mellitus") OR TI=(niddm) OR
TI=("Maturity-Onset Diabetes Mellitus") OR TI=("Maturity Onset Diabetes Mellitus") OR
TI=("Maturity-Onset Diabetes") OR (TI=(diabetes) AND TI=(maturity-onset)) OR TI=("Maturity
Onset Diabetes") OR TI=(mody) OR TI=("maturity onset diabetes of the young") OR TI=("adult
onset diabetes") OR TI=("adult onset diabetes mellitus") OR (TI=(diabetes) AND TI=("adult
onset")) OR (TI=("Diabetes Mellitus") AND TI=(adult-onset)) OR (TI=("Diabetes Mellitus")

AND TI=("Adult Onset")) OR TI=("Adult-Onset Diabetes Mellitus") OR (TI=("Diabetes Mellitus") AND TI=(ketosis-resistant)) OR (TI=("Diabetes Mellitus") AND TI=("Ketosis Resistant")) OR TI=("Ketosis-Resistant Diabetes Mellitus") OR TI=("ketosis resistant diabetes mellitus") OR (TI=("Diabetes Mellitus") AND TI=(stable)) OR TI=("Stable Diabetes Mellitus") OR (TI=("Diabetes Mellitus") AND TI=(maturity-onset)) OR (TI=("Diabetes Mellitus") AND TI=("Maturity Onset")) OR (TI=("Diabetes Mellitus") AND TI=(slow-onset)) OR (TI=("Diabetes Mellitus") AND TI=("Slow Onset")) OR TI=("Slow-Onset Diabetes Mellitus")) AND (TI=(ppargamma) OR TI=("PPAR gamma") OR TI=(ppar-gamma) OR TI=(ppar-gamma) OR TI=("PPAR gamma") OR TI=(ppargamma) OR TI=("PPAR G") OR TI=(ppar-g) OR TS=("peroxisome proliferator-activated receptor gamma") OR TI=("peroxisome proliferator-activated receptor G") OR TI=("Peroxisome Proliferator-Activated Nuclear Receptor Gamma") OR TI=("Peroxisome Proliferator Activated Receptor gamma") OR (TI=("Peroxisome Proliferative Activated Receptor") AND TI=(gamma)) OR TI=("PPARgamma3") OR TI=(PPARgamma2) OR TI=(mPPARgamma1) OR TI=(mPPARgamma2) OR TI=(PPARG1) OR TI=(PPARG2) OR TI=(PPARG3)) AND PY= (1989-2018)

4. Embase Search Strategy

((diabetes:ti,ab AND "Type 2":ti,ab) OR "diabetes type 2":ti OR "diabetes type II":ti OR "type II diabetes":ti OR "dm 2":ti OR "Type 2 diabetes mellitus":ti OR "diabetes mellitus type 2":ti OR "diabetes mellitus type ii":ti OR ("Diabetes Mellitus":ti AND "Type II":ti) OR "Type 2 Diabetes Mellitus":ti OR ("diabetes mellitus":ti AND "type 2":ti) OR "insulin independent diabetes":ti OR "non insulin dependent diabetes":ti OR "noninsulin dependent diabetes":ti OR ("Diabetes Mellitus":ti AND noninsulin-dependent:ti) OR ("Diabetes Mellitus":ti AND "Non Insulin

Dependent":ti) OR ("Diabetes Mellitus":ti AND non-insulin-dependent:ti) OR "Non-Insulin-Dependent Diabetes Mellitus":ti OR "insulin independent diabetes mellitus":ti OR ("Diabetes Mellitus":ti AND "Noninsulin Dependent":ti) OR "Noninsulin-Dependent Diabetes Mellitus":ti OR "Noninsulin Dependent Diabetes Mellitus":ti OR niddm:ti OR "Maturity-Onset Diabetes Mellitus":ti OR "Maturity Onset Diabetes Mellitus":ti OR "Maturity-Onset Diabetes":ti OR (diabetes:ti AND maturity-onset:ti) OR "Maturity Onset Diabetes" OR mody:ti OR "maturity onset diabetes of the young":ti OR "adult onset diabetes":ti OR "adult onset diabetes mellitus":ti OR (diabetes:ti AND "adult onset":ti) OR ("Diabetes Mellitus":ti AND adult-onset:ti) OR ("Diabetes Mellitus":ti AND "Adult Onset":ti) OR "Adult-Onset Diabetes Mellitus":ti OR ("Diabetes Mellitus":ti AND ketosis-resistant:ti) OR ("Diabetes Mellitus":ti AND "Ketosis Resistant":ti) OR "Ketosis-Resistant Diabetes Mellitus":ti OR "ketosis resistant diabetes mellitus":ti OR ("Diabetes Mellitus":ti AND stable:ti) OR "Stable Diabetes Mellitus":ti OR ("Diabetes Mellitus":ti AND maturity-onset:ti) OR ("Diabetes Mellitus":ti AND "Maturity Onset":ti) OR ("Diabetes Mellitus":ti AND slow-onset:ti) OR ("Diabetes Mellitus":ti AND "Slow Onset":ti) OR "Slow-Onset Diabetes Mellitus":ti) AND (ppargamma:ti OR "PPAR gamma":ti OR ppar-gamma:ti OR ppar-gamma:ti OR "PPAR gamma":ti OR ppargamma:ti OR "PPAR G":ti OR ppar-g:ti OR "peroxisome proliferator-activated receptor gamma":ti,ab OR "peroxisome proliferator-activated receptor G":ti OR "Peroxisome Proliferator-Activated Nuclear Receptor Gamma":ti OR "Peroxisome Proliferator Activated Receptor gamma":ti OR ("Peroxisome Proliferative Activated Receptor":ti AND gamma:ti) OR "PPARgamma3":ti OR PPARgamma2:ti OR mPPARgamma1:ti OR mPPARgamma2:ti OR PPARG1:ti OR PPARG2:ti OR PPARG3:ti) AND [1990-2017]/PY

5. ProQuest Search Strategy

((AB, TI(diabetes) AND AB, TI("Type 2")) OR TI("diabetes type 2") OR TI("diabetes type II") OR TI("type II diabetes") OR TI("dm 2") OR TI("Type 2 diabetes mellitus") OR TI("diabetes mellitus type 2") OR TI("diabetes mellitus type ii") OR (TI("Diabetes Mellitus") AND TI("Type II")) OR TI("Type 2 Diabetes Mellitus") OR (TI("diabetes mellitus") AND TI("type 2"))) OR TI("insulin independent diabetes") OR TI("non insulin dependent diabetes") OR TI("noninsulin dependent diabetes") OR (TI("Diabetes Mellitus") AND TI(noninsulin-dependent)) OR (TI("Diabetes Mellitus") AND TI("Non Insulin Dependent")) OR (TI("Diabetes Mellitus") AND TI(non-insulin-dependent)) OR TI("Non-Insulin-Dependent Diabetes Mellitus") OR TI("insulin independent diabetes mellitus") OR (TITLE("Diabetes Mellitus") AND TI("Noninsulin Dependent")) OR TI("Noninsulin-Dependent Diabetes Mellitus") OR TI("Noninsulin Dependent Diabetes Mellitus") OR TI(niddm) OR TI("Maturity-Onset Diabetes Mellitus") OR TI("Maturity Onset Diabetes Mellitus") OR TI("Maturity-Onset Diabetes") OR (TI(diabetes) AND TI(maturity-onset)) OR TI("Maturity Onset Diabetes") OR TI(mody) OR TI("maturity onset diabetes of the young") OR TI("adult onset diabetes") OR TI("adult onset diabetes mellitus") OR (TI(diabetes) AND TI("adult onset")) OR (TI("Diabetes Mellitus") AND TI(adult-onset)) OR (TI("Diabetes Mellitus") AND TI("Adult Onset")) OR TI("Adult-Onset Diabetes Mellitus") OR (TI("Diabetes Mellitus") AND TI(ketosis-resistant)) OR (TI("Diabetes Mellitus") AND TI("Ketosis Resistant")) OR TI("Ketosis-Resistant Diabetes Mellitus") OR TI("ketosis resistant diabetes mellitus") OR (TI("Diabetes Mellitus") AND TI(stable)) OR TI("Stable Diabetes Mellitus") OR (TI("Diabetes Mellitus") AND TI(maturity-onset)) OR (TI("Diabetes Mellitus") AND TI("Maturity Onset")) OR (TI("Diabetes Mellitus") AND TI(slow-onset)) OR (TI("Diabetes Mellitus") AND TI("Slow

Onset")) OR TI("Slow-Onset Diabetes Mellitus")) AND (TI(ppargamma) OR TI("PPAR gamma")
OR TI(ppar-gamma) OR TI(ppar-gamma) OR TI("PPAR gamma") OR TI(ppargamma) OR
TI("PPAR G") OR TI(ppar-g) OR AB, TI("peroxisome proliferator-activated receptor gamma")
OR TI("peroxisome proliferator-activated receptor G") OR TI("Peroxisome Proliferator-Activated
Nuclear Receptor Gamma") OR TI("Peroxisome Proliferator Activated Receptor gamma") OR
(TI("Peroxisome Proliferative Activated Receptor") AND TI(gamma)) OR TI("PPARgamma3")
OR TI(PPARgamma2) OR TI(mPPARgamma1) OR TI(mPPARgamma2) OR TI(PPARG1) OR
TI(PPARG2) OR TI(PPARG3)) AND YR(1990/01/01-2017/10/30)

6. Google Scholar Search Strategy (Hand Searching)

allintitle: "type 2 diabetes mellitus" + PPARG

allintitle: T2DM + PPARG

Key Journals (Hand Searching)

1. Diabetes

2. Diabetologia