

## Report Summary

**97**

Total Variants

**1**

Categories

**1**

Pathway Figures

**19**

High Risk (+/+)

**30**

Moderate Risk (+/-)

**48**

Low Risk (-/-)

## Table of Contents

### Report Overview 1

### Genetic Variants (1 categories) 2

Methylation & Methionine/Homocysteine Pathways (97 variants) ▲ ▲ 2

### Pathway Figures (1 figures) 6

Figure 2: Methylation & Methionine/Homocysteine Pathways 6

### Important Disclaimer 7

Quick Navigation: [Overview](#) [Categories](#) [Figures](#) [Disclaimer](#)

# Methylation & Methionine/Homocysteine Pathways

97 variants found 19 30 48  
 (See Figure 2)

**Risk Summary:** 19 high risk variants, 30 moderate risk variants - Consider discussing with healthcare provider

Quick Navigation: [Overview](#) [Categories](#) [Figures](#) [Disclaimer](#)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4846048	MTHFR C24909T	G	AG	+/-
rs2274976	MTHFR G1793A (R594Q)	T	CC	-/-
rs1476413	MTHFR G18861A	T	TC	+/-
rs1801131	MTHFR A1298C	G	TG	+/-
rs1801133	MTHFR C677T	A	AG	+/-
rs17037390	MTHFR C10318T	G	GG	+/*
rs17037396	MTHFR C841T	T	CC	-/-
rs17367504	MTHFR A1572G	G	AA	-/-
rs2066470	MTHFR 03 P39P	A	GG	-/-
rs13306561	MTHFR A4598G	A	AA	+/*
rs13306560	MTHFR C-137T	T	CC	-/-
rs3737964	MTHFR A4117C	T	TC	+/-
rs10889869	CTH G6010A	A	GG	-/-
rs681475	CTH T8763C	C	CC	+/*
rs1145920	CTH A11886G	A	GG	-/-
rs663649	CTH G25229T	T	GG	-/-
rs1021737	CTH S4031I	T	TG	+/-
rs7526063	MTR C18418T	T	CC	-/-
rs2789352	MTR A50417C	A	AC	+/-
rs2275568	MTR C62048T	T	CC	-/-
rs1770449	MTR T84581C	C	TC	+/-
rs10925257	MTR A92580G	G	AG	+/-
rs1805087	MTR A2756G	G	AG	+/-
rs2275565	MTR G95096T	T	TG	+/-
rs3820571	MTR G106853T	G	TG	+/-
rs2853522	MTR A*112C	A	AC	+/-
rs11799670	MTR A*153G	G	AA	-/-
rs2853523	MTR A*1254C	A	AC	+/-
rs1050993	MTR A*1361G	A	AG	+/-
rs2028900	MAT2A C6635T	C	TC	+/-
rs1801394	MTRR A66G	G	AG	+/-
rs3776467	MTRR G12099A	G	AG	+/-
rs1532268	MTRR C524T	T	CC	-/-
rs7703033	MTRR G15734A	A	AG	+/-
rs162031	MTRR T16071C	T	CC	-/-
rs162036	MTRR K350A	G	AG	+/-
rs2287779	MTRR G1155A	A	GG	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2287780	MTRR R415T	T	CC	-/-
rs162049	MTRR G28905A	G	AA	-/-
rs3776455	MTRR C32295T	T	TC	+/-
rs10380	MTRR H595Y	T	TC	+/-
rs1802059	MTRR -11 A664A	A	GG	-/-
rs9332	MTRR G*541A	A	AG	+/-
rs479405	DMGDH G67591T	C	CC	+/*
rs2253262	DMGDH T372G	A	AA	+/*
rs16876512	BHMT C-448T	T	CC	-/-
rs6875201	BHMT A7961G	G	AA	-/-
rs567754	BHMT-02 C13813T	T	CC	-/-
rs3733890	BHMT R239Q	A	AG	+/-
rs617219	BHMT-04 A26991C	C	AA	-/-
rs1650697	DHFR/MSH T-473A	A	GG	-/-
rs4869089	MAT2B A7755681G	G	GG	+/*
rs11754661	MTHFD1L G25264A	G	AG	+/-
rs17349743	MTHFD1L T31397C	C	TC	+/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs1800779	NOS3 G6797A	A	AG	+/-
rs2070744	NOS3 T786C	T	TC	+/-
rs7830	NOS3 G10T	T	GG	-/-
rs1985908	MAT1A T*1297C	G	AA	-/-
rs2993763	MAT1A C1131T	A	AA	+/*
rs72558181	MAT1A G19502A	T	CC	-/-
rs4934028	MAT1A C15656T	A	AA	+/*
rs526934	TCN1 G4939288A	A	AA	+/*
rs7925545	FOLR3 A3771G	G	AA	-/-
rs7926875	FOLR3 C7672A	C	CC	+/*
rs2071010	FOLR1 G-20A	A	GG	-/-
rs651933	FOLR2 G-1316A	G	AA	-/-
rs2272306	CSAD C25411T	A	GG	-/-
rs2293054	NOS1 T2202C	A	GG	-/-
rs2236225	MTHFD1 R635Q	A	GG	-/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CC	+/*
rs7946	PEMT G634A	T	CC	-/-
rs4244593	PEMT T17023592G	T	GG	-/-
rs9909104	SHMT1 A23836G	T	TT	+/*
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs2297518	NOS2 C1823T	A	GG	-/-
rs502396	TYMS C6633T	C	TT	-/-
rs17851582	GAMT C9110T	G	GG	+/*
rs4149452	SULT2A1 G17136A	T	CC	-/-
rs2910393	SULT2A1 A13527G	T	CC	-/-

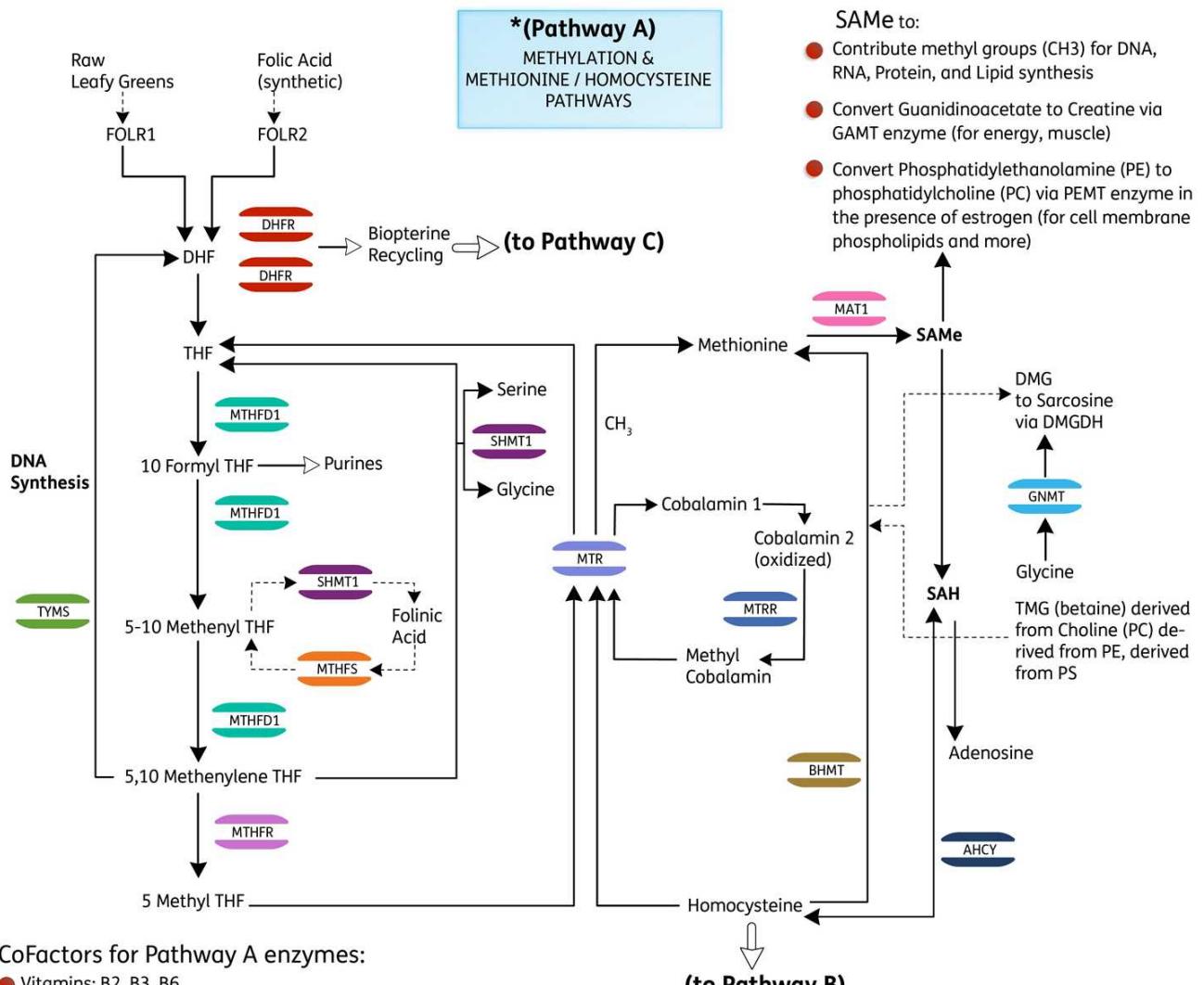
This report is intended to translate your results into an easier to understand form. It is not intended to diagnose or treat. For diagnosis or treatment, please present this to your doctor (or find a doctor on MTHFRSupportTM website under Find a Practitioner). Additionally, genetic mutations are flags that something \*\*could\*\* be wrong and not a guarantee that you are having all or any of the associated issues. Other factors like environment, ethnic background, diet, age, personal history, etc all have a factor in whether a mutation starts to present itself or not and when. Copyright all rights reserved MTHFR SupportTM

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4149449	SULT2A1 G9696A	T	CC	-/-
rs2547231	SULT2A1 G9598T	A	AA	+/+
rs2273684	GSS A18836C	T	GG	-/-
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	CC	+/+
rs6088659	GSS A5997G	T	CC	-/-
rs706209	CBS C*351T	A	GG	-/-
rs706208	CBS T*330C	A	AA	+/+
rs12613	CBS G*299A	T	CC	-/-
rs1801181	CBS A360A	A	GG	-/-
rs4920037	CBS C19150T	A	AA	+/+
rs234706	CBS C699T	A	AA	+/+
rs2851391	CBS A13637G	T	TT	+/+
rs9606756	TCN2 A8700G	G	AG	+/-
rs1801198	TCN2 C766G	G	CC	-/-

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## Figure 2: Methylation & Methionine/Homocysteine Pathways



**\*CoFactors for Pathway A enzymes:**

- Vitamins: B2, B3, B6
- Minerals: Mg, Zn
- Other: ATP, NADP+, NADPH, NAD, d-UMP, SAMe, TMG

**Note:**

SLC19A1 - Folate transport protein  
TCN1, 2, 3 - B12 transport protein

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Pathway diagram illustrating genetic variants and their interactions in the Methylation & Methionine/Homocysteine Pathways category. Refer to your specific variant results in the corresponding category section.

### ⚠ Important Disclaimer

**Medical Disclaimer:** This report is intended to translate your results into an easier to understand form. It is **not intended to diagnose or treat** any medical condition.

**Professional Consultation:** For diagnosis or treatment, please present this report to your qualified healthcare provider or find a practitioner on the MTHFRSupport™ website under "Find a Practitioner".

**Genetic Interpretation:** Genetic mutations are indicators that something *could* be affected, but they are **not a guarantee** that you are experiencing all or any of the associated issues.

**Contributing Factors:** Many factors influence whether genetic variants manifest as health issues, including:

- Environmental factors
- Ethnic background
- Diet and lifestyle
- Age and personal history
- Other genetic interactions

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