



Dear Premium Customers,

Salvagene has made a quantum leap in epigenetics therapy on the basis of the world's largest methyl marker analysis which is supported by the most advanced algorithms in epigenetics and by a new interdisciplinary machine learning tool.

It is the case in preventive medicine and health optimization that the sooner symptoms are detected, the less drastic and invasive the appropriate measures for intervention or correction need to be. This also leads to a significant reduction in the risk of developing serious health problems in the future.

The foundations for the relevant indicators are powerful algorithms, especially in the field of epigenetics, because epigenetic changes necessarily precede any deterioration in health.

Our genome is written in four letters: A, T, C, G.

Wherever a C is followed by a G in the DNA, the cell can attach a chemical marker, a so-called methyl group. These act like colored highlights, indicating key elements in the sequencing. They are the means by which the cell turns genes on or off. Our lifestyle and environment change the methylation pattern and thus the readability of the information. For some time now, the team at Salvagene have been using several hundred methyl markers for epigenetic tests.

For a high-level and also self-learning function of the algorithms, as many as possible of the most important methyl markers in the DNA and their change patterns require continuous monitoring. The decisive factor is the amount of change in the methyl patterns of these key nodal points relative to the observation period.

To achieve this, we have entered into a close collaboration with the world's leading AI epigenetic process company in Tel Aviv. As a result, we are now able to significantly improve our already very successful application algorithms by means of machine learning and the adoption of learning algorithms.

This is an excellent addition to our **SALVAGENE ARTIFICIAL INTELLIGENCE PROGRAM S.A.I.P.**

By identifying the key methyl nodes and also by massively increasing the number of the most important methyl markers, we have succeeded in obtaining much greater certainty regarding biological age, current aging rate and – crucially – the most effective currently available therapy option for our clients.

Our new algorithms now work with a significantly increased number (5,850) of the most important and relevant methyl markers, making them one of the most comprehensive epigenetic test series worldwide compared to other leading systems such as DNAmGrimAge with 1,030 methyl markers. This theoretically makes it possible to derive the chronological age of a human from a tissue sample within a range of plus/minus 1 year.

But what good is the best diagnosis without therapy options?

No diagnosis can benefit a patient unless a successful therapy option can be derived from it.

We at Salvagene have a significant advantage compared to the big tech or purely AI companies in this regard thanks to our pioneering role in the field of epigenetic therapies. In particular, the interdisciplinary architecture of our algorithms enables us to deliver the best therapy option to our clients at all times.

We are able at an early stage to identify symptoms that are likely to lead to severe illnesses in the future, long before conventional medical screening measures can detect them.

As a result, intervention measures can turn out to be low-threshold and usually mean only a small adjustment in lifestyle but with the tremendous benefit of preventing serious illness in the future and continuously maintaining health at the optimum.

Our knowledge leadership in the field of Epigenetics Therapy and the further development of our learning algorithms will also provide us with even more effective therapeutic substances.

In this way, we can continue to keep your supergenes active and your risk genes in off-mode.

These tests are only available to our premium clients and are easy to perform by means of a saliva and capillary blood test.

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