

Tabel comparativ

|                        | Advanced NGx                 | Competitor 1   | Competitor 2             |
|------------------------|------------------------------|----------------|--------------------------|
| Caracteristici tehnice |                              |                |                          |
| Variatii genetice      | 387                          | 86             | 36                       |
| Numar de gene          | 99                           | 73             | 36                       |
| Tehnologie             | Secventiere (100 x adancime) | Bazat pe Array | Neclar (bazat pe Array?) |

| Caracteristici raport                |   |                                     |                                     |
|--------------------------------------|---|-------------------------------------|-------------------------------------|
| Ofera tinte nutritionale             | Da  | Nu                                  | Da                                  |
| Algoritmi utilizati                  | Analiza haplotipurilor<br>Interactiuni gena-gena<br>Variatii genetice unice | Nu<br>Nu<br>Variatii genetice unice | Nu<br>Nu<br>Variatii genetice unice |
| Specific pentru populatia din Europa | Da  | Nu                                  | Nu                                  |
| Specificitate genica                 | Da  | Da                                  | Da                                  |
| Categoria de varsta                  | Adulti  | Adulti                              | Adulti                              |

Tinte pentru nutrienti (aporturi recomandate definite de genotipul adultului sanatos)

|  |           |                         |           |
|--|-----------|-------------------------|-----------|
| Consumul de alcool   | 2 gene    | Doar calitativ -1 gena  | 1 gena    |
| Betaina  | 3 gene    | Neevaluat               | Neevaluat |
| Calciu   | 1 gena    | Neevaluat               | Neevaluat |
| Carbohidrati   | Neevaluat | Doar calitativ - 7 gene | 5 gene    |
| Colina   | 5 gene    | Neevaluat               | Neevaluat |
| Consumul de cofeina  | 1 gena    | Doar calitativ – 1 gena | 2 genes   |
| Folati   | 1 gena    | Doar calitativ – 1 gena | 1 gena    |
| Fier   | 1 gena    | Neevaluat               | Neevaluat |
| Intoleranta la lactoza   | 2 gene    | 1 gena                  | 1 gena    |
| Magneziu   | 8 gene    | Neevaluat               | Neevaluat |
| Acizi grasi Omega-3  | 3 gene    | Doar calitativ -1 gena  | 2 gene    |
| Acizi grasi Omega-6  | 4 gene    | (PUFA); 2 gene (MUFA)   | Neevaluat |
| Riboflavina  | 2 gene    | Neevaluat               | Neevaluat |
| Grasimi saturate   | Neevaluat | Neevaluat               | 7 gene    |
| Seleniu  | 2 gene    | Neevaluat               | Neevaluat |
| Sodiu  | Neevaluat | Neevaluat               | 2 gene    |
| Vitamina A   | 2 gene    | Doar calitativ - 1 gena | Neevaluat |
| Vitamina B3 (Niacina)  | 1 gena    | Neevaluat               | Neevaluat |
| Vitamina B12   | 2 gene    | Doar calitativ - 1 gena | 1 gena    |
| Vitamina B6 (piridoxina)   | Neevaluat | Doar calitativ - 1 gena | Neevaluat |
| Vitamina C   | 1 gena    | Neevaluat               | Neevaluat |
| Vitamina D   | 2 gene    | Doar calitativ - 1 gena | 1 gena    |
| Vitamina E   | 1 gena    | Doar calitativ - 1 gena | Neevaluat |
| Vitamina K   | 1 gena    | Neevaluat               | Neevaluat |
| Zinc   | 3 gene    | Neevaluat               | Neevaluat |
| Alte tinte de nutrienti care nu contin date specifice de genotip | Da        | Nu                      | Da        |

Nutritia in timpul sarcinii (recomandari dietetice & riscuri asociate nasterii – doar calitativ)

|  |        |           |           |
|--|--------|-----------|-----------|
| Betaina                                | 3 gene | Neevaluat | Neevaluat |
| Adenozina                              | 1 gena | Neevaluat | Neevaluat |
| Colina                                 | 4 gene | Neevaluat | Neevaluat |
| Folati                                 | 6 gene | Neevaluat | Neevaluat |
| Vitamina A                             | 1 gena | Neevaluat | Neevaluat |
| Alela carrier pt alactazie congenitala | 1 gena | Neevaluat | Neevaluat |
| Acizi grasi Omega-3                    | 3 gene | Neevaluat | Neevaluat |
| Vitamina B1 (Tiamina)                  | 1 gena | Neevaluat | Neevaluat |

Riscuri ale dezechilibrelor metabolice legate de nutritie (doar calitativ)

|                                       |         |                                    |                                   |
|---------------------------------------|---------|------------------------------------|-----------------------------------|
| Hepatosteatoza                        | 14 gene | Neevaluat                          | Neevaluat                         |
| Astenospermie                         | 1 gena  | Neevaluat                          | Neevaluat                         |
| Supraponderalitate/Obezitate          | 5 gene  | 9 gene                             | 2 gene                            |
| Cancer gastric & alcool               | 3 gene  | Neevaluat                          | Neevaluat                         |
| Boli cardiovasculare                  | 4 gene  | Neevaluat                          | Neevaluat                         |
| Diabet tip 2 & rezistenta la insulina | 6 gene  | 16 gene                            | 5 gene                            |
| Dislipidemia influentate de nutritie  | 1 gena  | 30 gene (profilul lipidic general) | 5 gene (profilul lipidic general) |
| Hperlipidemia postprandiala           | 1 gena  |                                    |                                   |
| Hipomagnezemia                        | 6 gene  | Neevaluat                          | Neevaluat                         |
| Rabdomioliza (sarcopenia)             | 2 gene  | Neevaluat                          | Neevaluat                         |
| Sensibilitatea la sodiu               | 1 gena  | Neevaluat                          | 2 gene                            |

Performanta fizica (doar calitativ)

|  |        |                         |                            |
|--|--------|-------------------------|----------------------------|
| Fora si puterea musculara                    | 3 gene | 2 gene                  | Neevaluat                  |
| Riscul pentru rabdomioliza – vizand nutritia | 2 gene | risc de lezare – 1 gena | risc de lezare – 7 gene    |
| Fitness cardiorespirator si anduranta        | 4 gene | 3 gene                  | Potential aerobic – 4 gene |
| Greutatea corporala si adipozitatea          | 5 gene | 1 gena                  | Neevaluat                  |
| Metabolismul glucozei si insulinei           | 6 gene | 1 gena                  | Neevaluat                  |
| Metabolismul lipidelor si lipoproteinelor    | 2 gene | 2 gene                  | Neevaluat                  |
| Trasaturi hemodinamice                       | 8 gene | 1 gena                  | Recuperare – 7 gene        |

Scanare genetica pentru variatii asociate cu alte boli & raspunsul la medicamente

|   |                        |           |           |
|---|------------------------|-----------|-----------|
| Riscul de pancreatita la tratamentul cu tiopurina | haplotip HLA & TPMT    | Neevaluat | Neevaluat |
| Dermatita atopica (Vitamina D - dependenta)       | 2 gene                 | Neevaluat | Neevaluat |
| Acondroplazie                                     | 1 gena                 | Neevaluat | Neevaluat |
| Deficienta de alpha-1 antitripsina                | 1 gena                 | Neevaluat | Neevaluat |
| Fibroza chistica                                  | 1 gena                 | Neevaluat | Neevaluat |
| Trombofilia Factor V Leiden                       | 1 gena                 | Neevaluat | Neevaluat |
| Deficienta in biotinidaza                         | 1 gena                 | Neevaluat | Neevaluat |
| Screening BRCA1/BRCA2                             | 2 gene (>150 locusuri) | Neevaluat | Neevaluat |
| Febra mediteraneana familiala                     | 1 gena                 | Neevaluat | Neevaluat |
| Boala Gaucher                                     | 1 gena                 | Neevaluat | Neevaluat |
| Hemocromatoza ereditara                           | 1 gena                 | Neevaluat | Neevaluat |
| Dozarea cumarinei                                 | 2 gene                 | Neevaluat | Neevaluat |
| Managementul contraceptiv la femei                | 2 gene                 | Neevaluat | Neevaluat |
| Homocistinuria (sensibilitatea la piridoxina)     | 1 gena                 | Neevaluat | Neevaluat |
| Risc Goiter                                       | 2 gene                 | Neevaluat | Neevaluat |
| Raspunsul la tratamentul cu Metotrexat            | 1 gena                 | Neevaluat | Neevaluat |