ePGA: Purpose and Use

ePGA Translation Service is meant to DEMONSTRATE the potential of translating validated PGx knowledge into clinical practice

In its current implementation ePGA Translation Service use just public-domain and completely anonymous genotype profiles from the 1000 Genomes project (Phase I/1092 sample cases, Phase III/2504 sample cases) in order to demonstrate its functionality.

- The ePGA Translation Service adheres to the emerging trend of pre-emptive high-throughput genotyping as a vital clinical (diagnostic and prognostic) decision making component aiming to offer respective genotype-to-phenotype inference services as a mean to translate PGx knowledge from bench-to-bedside.

- The ePGA Translation Service is based on ‘matching’ individual genotype (SNP) profiles with PGx gene haplotypes, and the subsequent inference of the corresponding metabolizer phenotypes. Currently ePGA/Translation component employs harmonized haplotypes-tables as registered and curated by PharmGKB (the most advanced PGx knowledge base). The developers of ePGA are planning to expand the system in order to capture and cover PGx knowledge from other sources as well.

- ePGA developers reserve the right at any time, to make changes to the whole or any part of the services offered on this Web-site as it deems appropriate.