



H+

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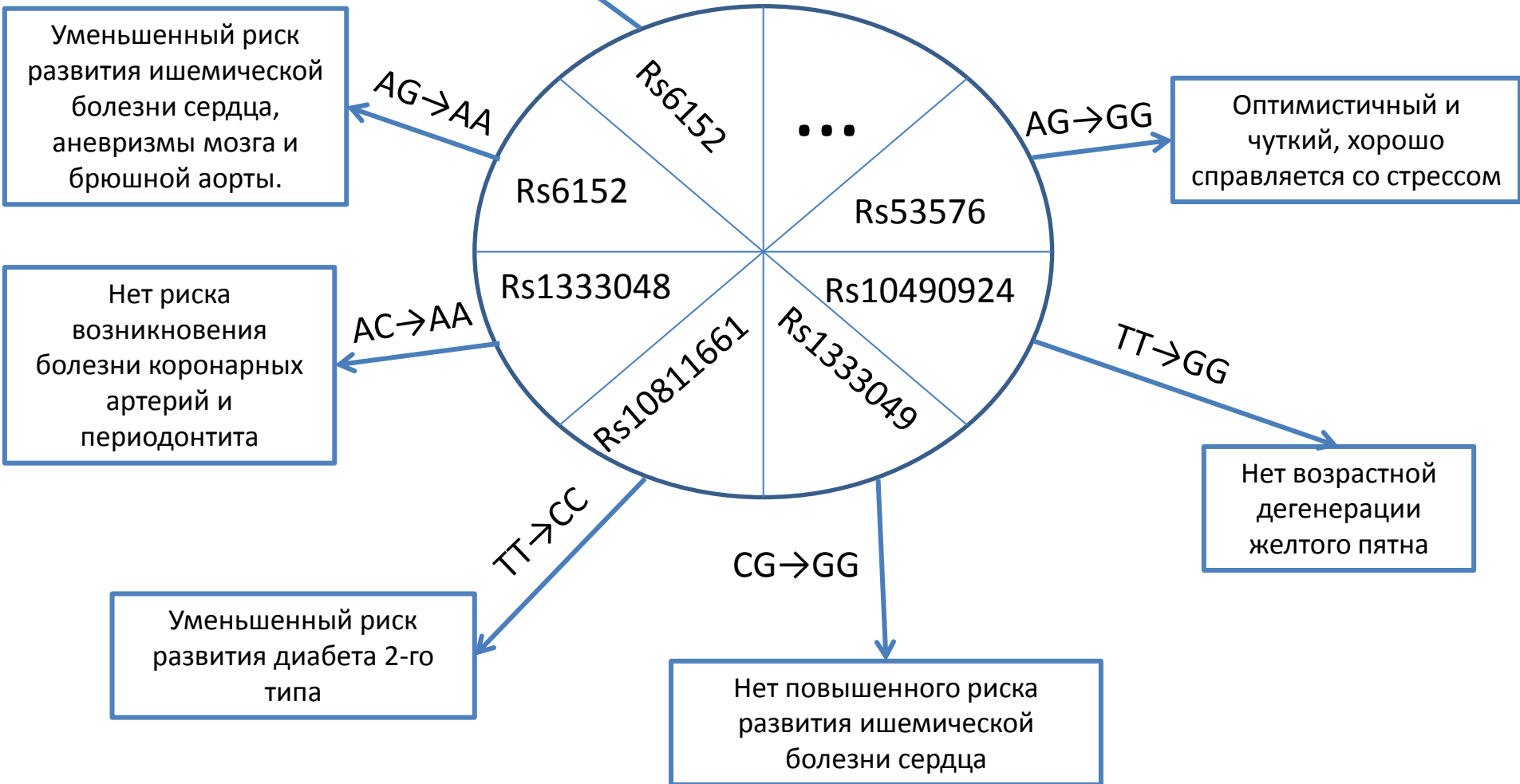
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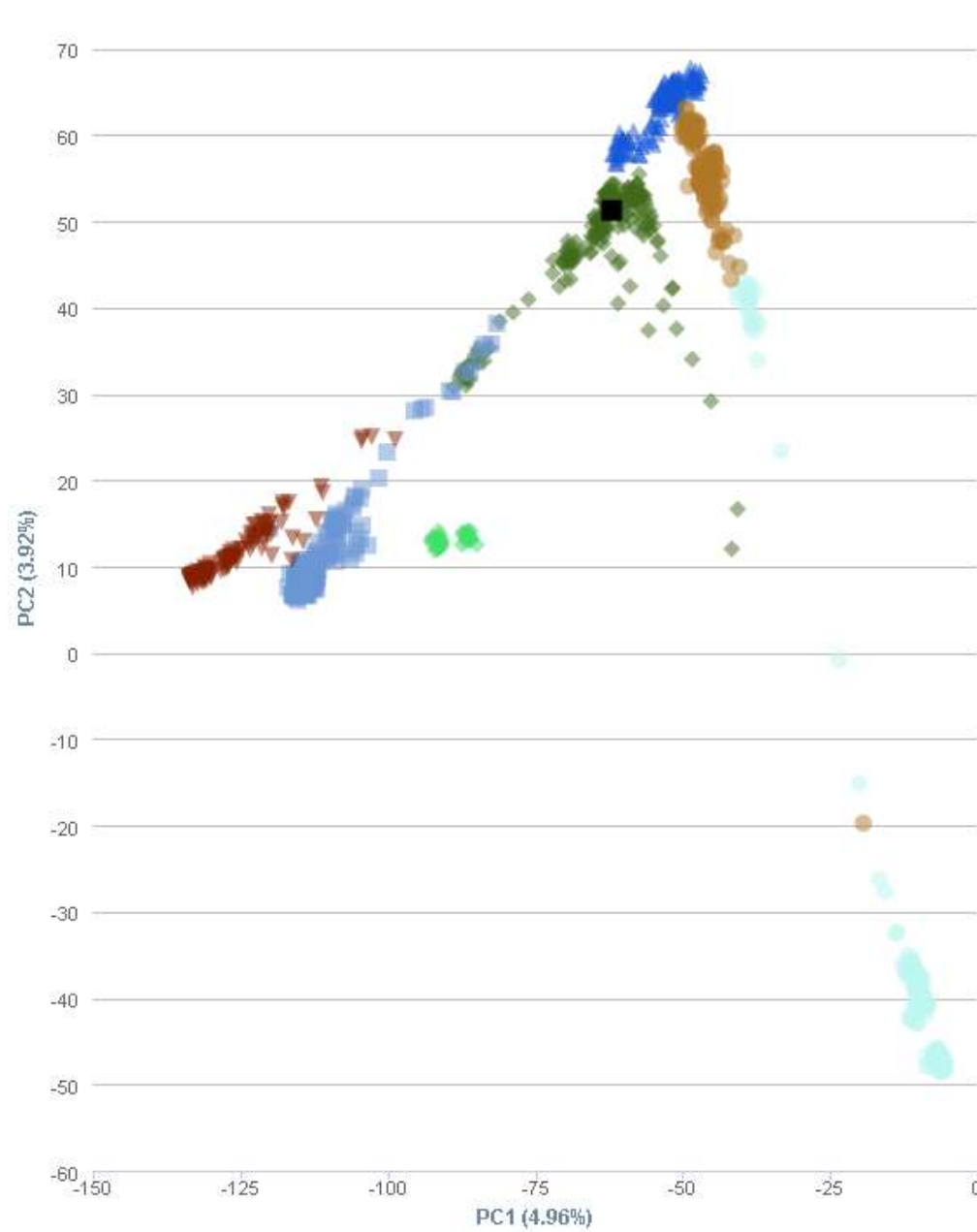
 <https://manu.sporny.org/>



- ! Left recurrent laryngeal nerve needs refactoring.
#12 opened on 27 Mar by xorgy
- ! OK to fork? Hasn't been maintained in a while.
#11 opened on 16 Jan 2015 by earonesty
- ! Hair fall
#9 opened on 17 Feb 2011 by ghost



Определение популяции Н



PCA проведен с использованием
100000 случайных SNP
genotation.stanford.edu

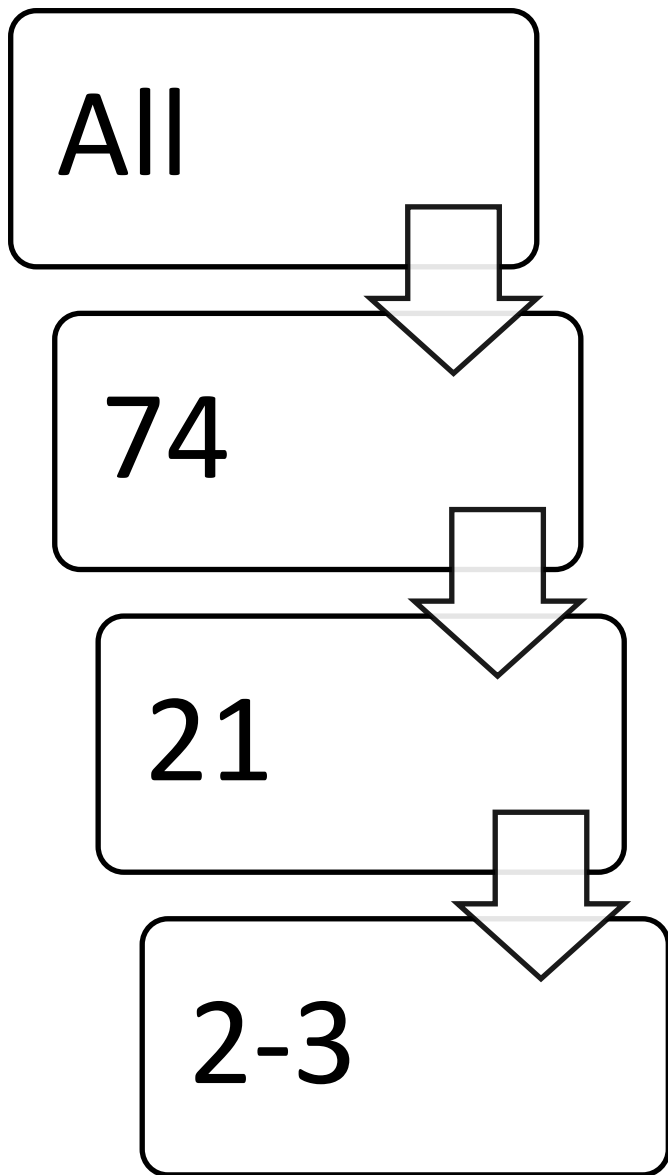
GENOtation



GWAS – поиск связи между фенотипическими признаками и геномными вариантами

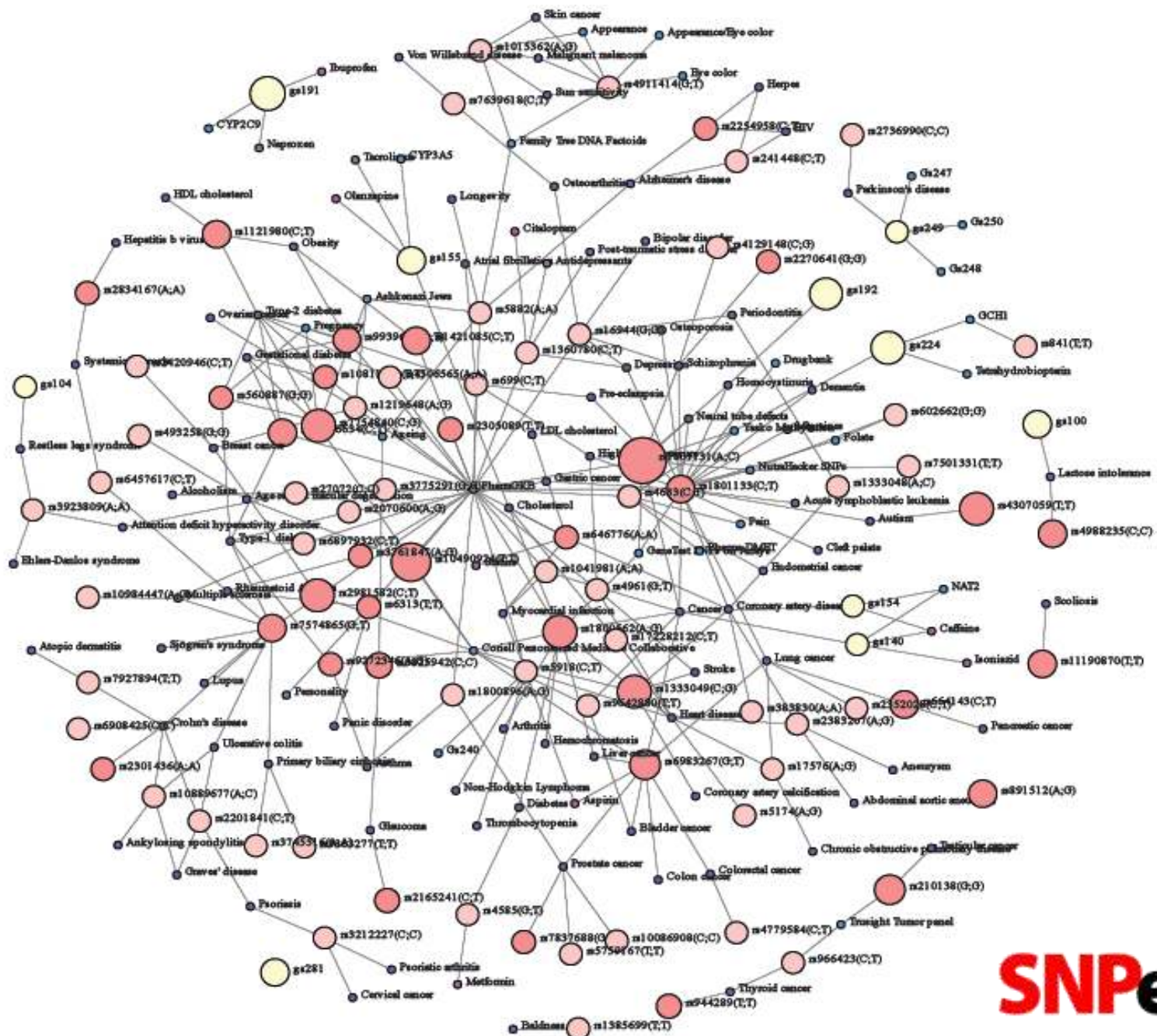
Disease	dbSNP	Genotype	Risk Allele	OR	P-Value	Link
Platelet counts	4731120	AA	C	4.14	3E-12	22139419
Intelligence	7792596	CT	?	4.13	6E-7	22449649
Platelet counts	4148441	GG	G	4.12	7E-12	22139419
Orofacial clefts	17085106	GG	?	4.07	4E-8	19656524
LDL cholesterol	1367117	AA	A	4.05	4E-114	20686565

Проблема: сравнение «опасности» снипов по OR

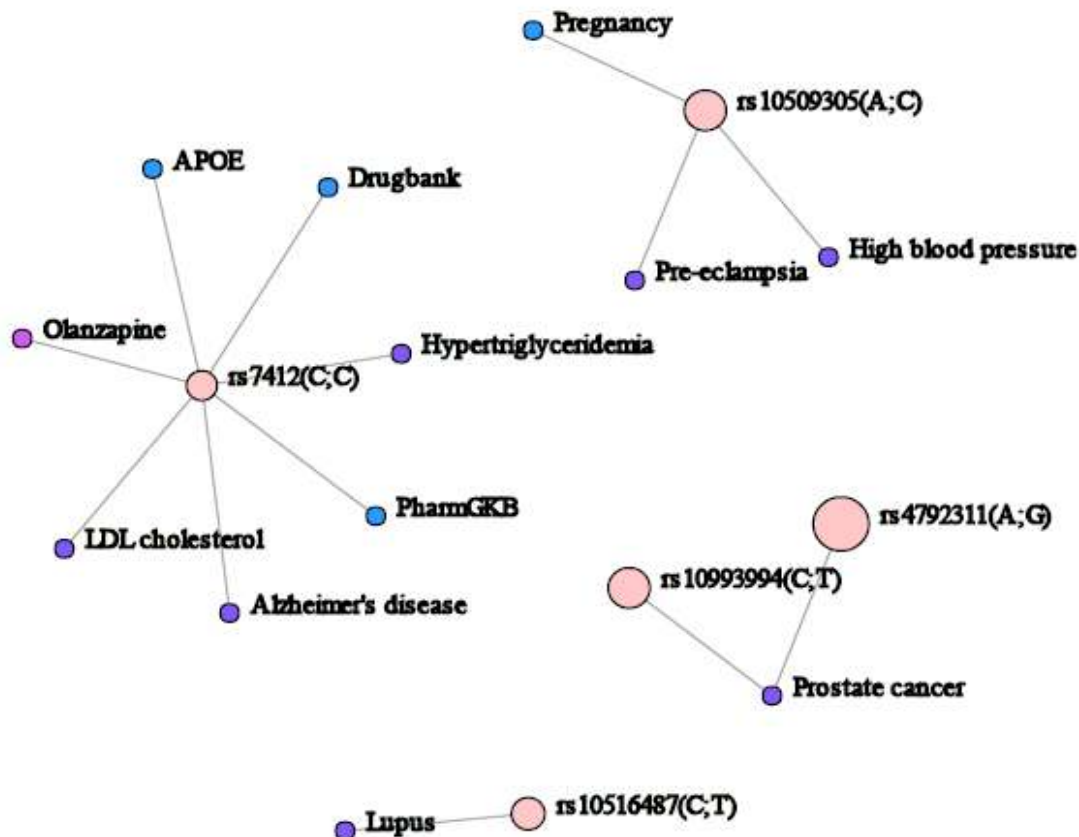


Rsid	Chromosome	Disease
rs2835798 0	MT	Leber's optic atrophy
rs1335510	9	Multiple primary melanoma
i5000099	MT	Leber's Hereditary Optic Neuropathy (LHON)
rs1251861 4	5	Ischemic stroke
i4000834	MT	Leber's optic atrophy Leigh syndrome
i3002089	MT	U1a1 mitochondrial haplogroup
rs1775754 1	18	B-cell lymphoma
rs2735611	17	regulation of circadian rhythm
rs4132134 5	16	Hemoglobin Koya Dora
rs1065356	6	HIV-related Kaposi's sarcoma
rs2069919	2	Association of warfarin dose with genes involved in its action and metabolism

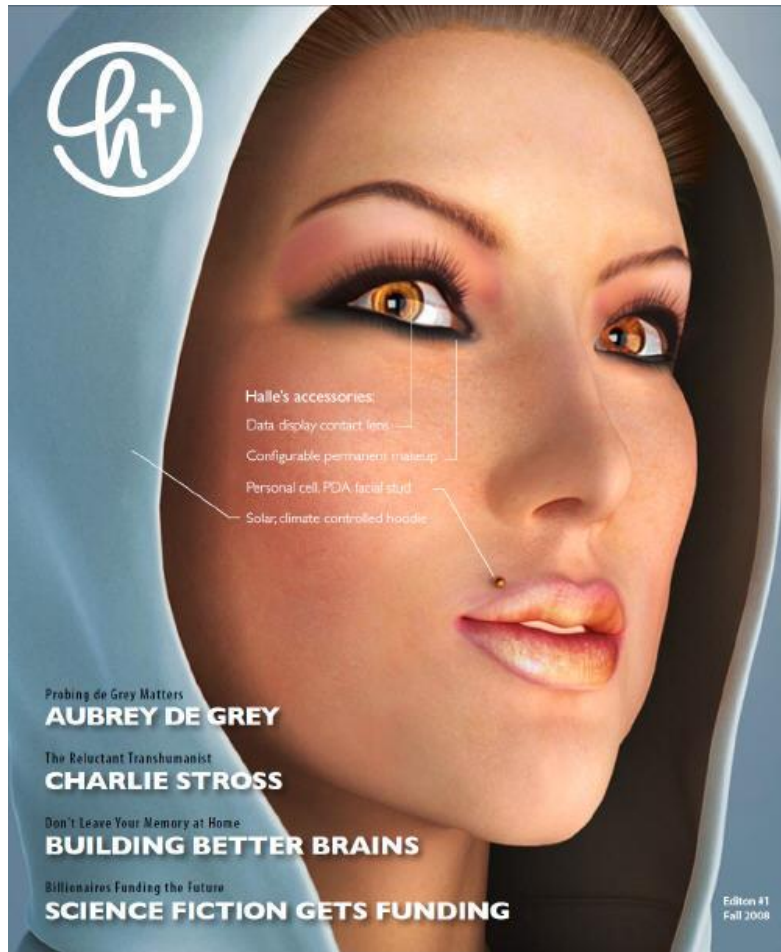
SNP связанные с патологией



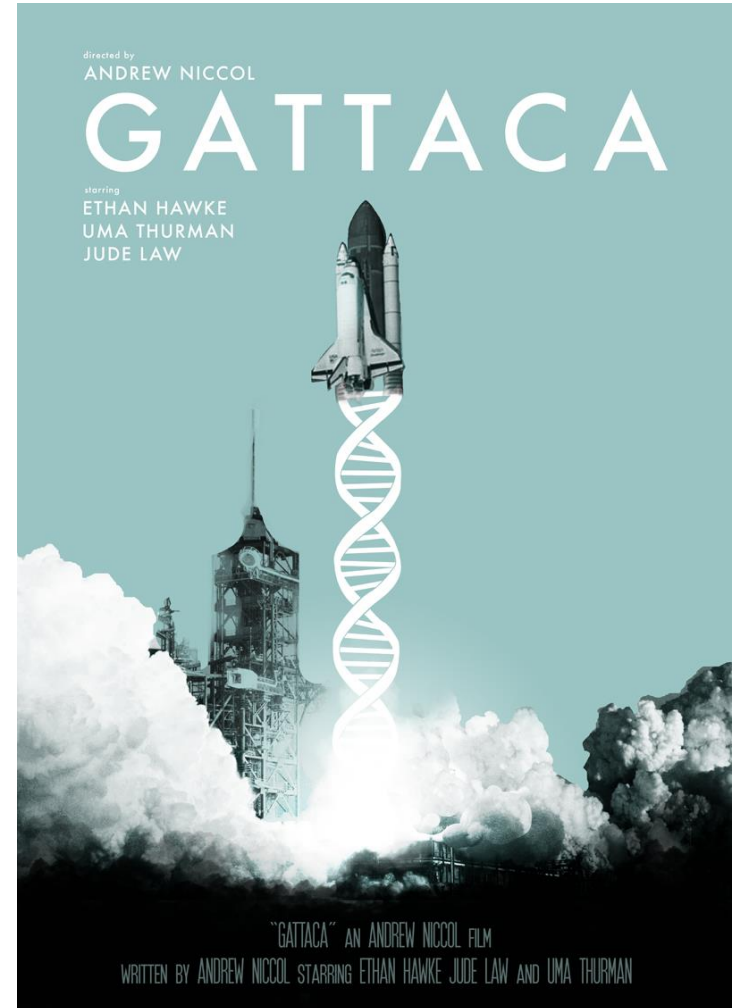
Top 5 самых патогенных SNP по версии ClinVar



Valid / In-valid



Обложка первого выпуска N+ Magazine, ежеквартального издания о трансгуманизме



Антиутопический триллер 1997 года

