使用说明

诺亚罕见遗传病基因数据智能解读产品:着力于运用人工智能手段辅助医生解读基因数据,提高解读效率,同时给予医生完全自主权,可根据不同需要选择不同使用方式,根据病人其他临床指标进行综合考量,根据产品提供的全面数据库文献证据自由进行致病性分析,选择合适的可报数据结果,生成个性化解读报告。

产品使用Human GRCh37/hg19 genome build,支持表型-基因的关联性分析,单个突变的致病性解读,也可一键同时完成表型关联与致病性解读的分析。

产品专注基因解读,自动默认输入数据已经过生物信息学分析,不包含测序误差(sequencing artifact)及对照组数据库常见变异(internal cohort common variant)。

如有父母测序数据,请在"是否提供父/母信息"栏选择"是",并提供父母是否有相同表型的信息。若父母数据已包含在 proband文件中,则在此步骤选择不上传单独文件。

我们提供ACMG建议的incidental findings解读,若无病人同意书(consent form),请慎重使用。

产品接受以下文件格式与表头(header)名称。产品支持表头名称的模糊输入,如Chrom被识别为Chromosome, ref被识别为Reference。基因信息文件格式支持.vcf, .txt, .csv, .xls, 父母信息文件格式支持.vcf, .txt, .csv。

1	Chromosome	Pos	Ref	Alt					
2	Chromosome	Start	Stop (optional)	Reference	Allele In Scope				
3	Chromosome	Start	Stop (optional)	Reference	Allele 1	Allele 2			

4	Chromosome	Start	Stop (optional)	Reference	Allele In Scope	Father Allele 1	Father Allele 2				
5	Chromosome	Start	Stop (optional)	Reference	Allele In Scope	Mother Allele 1	Mother Allele 2				
6	Chromosome	Start	Stop (optional)	Reference	Allele 1	Allele 2	Allele In Scope	Father Allele	Father Allele		
7	Chromosome	Start	Stop (optional)	Reference	Allele 1	Allele 2	Allele In Scope	Mother Allele	Mother Allele 2		
8	Chromosome	Start	Stop (optional)	Reference	Allele In Scope	Father Allele 1	Father Allele 2	Mother Allele	Mother Allele 2		
9	Chromosome	Start	Stop (optional)	Reference	Allele 1	Allele 2	Father Allele	Father Allele	Mother Allele	Mother Allele 2	
10	Chromosome	Start	Stop (optional)	Reference	Allele 1	Allele 2	Allele In Scope	Father Allele	Father Allele 2	Mother Allele	Mother Allele 2
Example	1	75693 500	75693500	С	С	Т	Т	С	С	С	Т

11	Gene	HGVS cDNA-level nomenclature	Zygosity(optional)
Example	ZNF804B	NM_181646.3:c.2395C>T	Het

12	Gene	Transcript	cDNA	Zygosity(optional)
Example	FAM132A	NM_001014980.2	c.295-4C>A	Het

13	Gene	HGVS cDNA-level	Allele 1	Allele 2	Father Allele 1	Father Allele 2	Mother Allele 1	Mother Allele 2
		nomenclature						

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	VCF file	Proband only (One VCF file)	Standard VCF file format can be found at: https://samtools.github.io/hts-specs/VCFv4.2.pdf
15	VCF files	Proband and either mother or father (Two VCF files)	
16	VCF files	Proband and both mother and father (Three VCF files)	