Socialising the Genome







england

Genomics





BIODATA INNOVATION CENTRE



88JFESEING



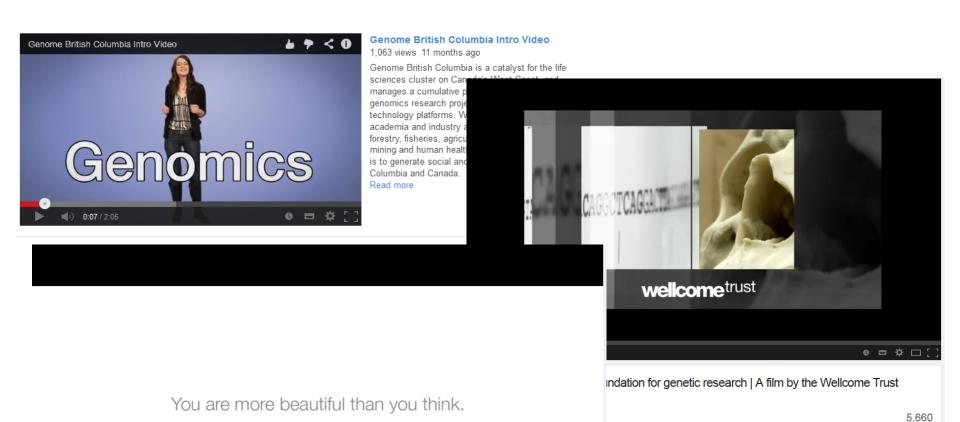




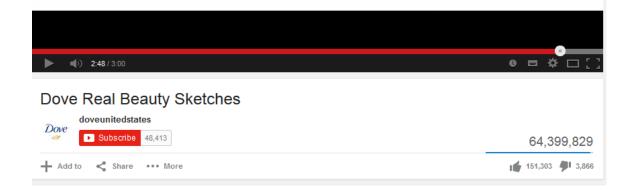




How to start a conversation about genomics



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We explored....

How to start a conversation about genomics with people who know nothing about genomics

We explored...

How to get simple messages out on a large scale?

Do the messages work?

Your challenge...

- To create an animation that explains what a mutation is
- Without using any scientific terms
- Using natural language
- In a way that keeps people's attention
- In about 1 minute

Glitch to explain pathogenic variant



Process

Take Focus
Group themes

Overlay a narrative onto scientific message

Create 6 animations

Evaluate what works

Focus Groups (7-10 in each)



Parents (mixed cultures)



'Women's group' – women from the Hertford Women's Guild



'Men's group' – curry club



Young people - choir



Council estate residents

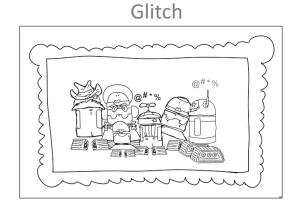
Core Themes

- There is a lot of juggling and weighing up of information— 'risk of disease'
- No idea what 'genome' means; is it to do with gnomes?
- Some want light-hearted approach –'spreading genes around!'
- Insurance and exploitation are a fear

The six films animations



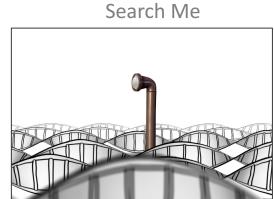




Gnome

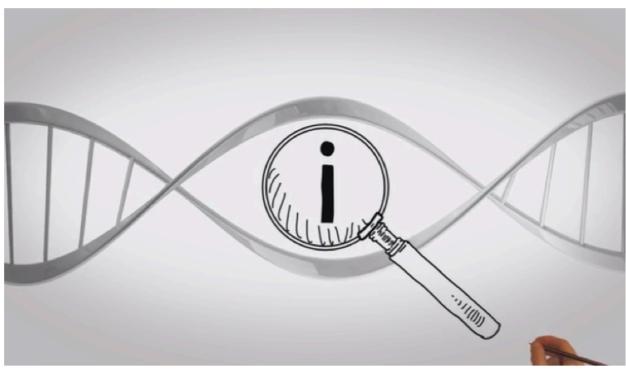








Welcome to genetube – a space dedicated to shaping fresh, informative, surprising and shareable bite sized insights about DNA and genetics. Not for profit; just for humankind.



Thanks for all your help, please feel free to watch again and share the videos.



Share via Facebook



Share via Twitter



#reasonstobecheerful



#DNAZING



#genedeckshuffle



#mygnome



#glitch



#searchme



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sky NEWS



Feedback

• 500 representative British public – data presented

 Web based survey from 1,800 people (same results, but biased to higher education)

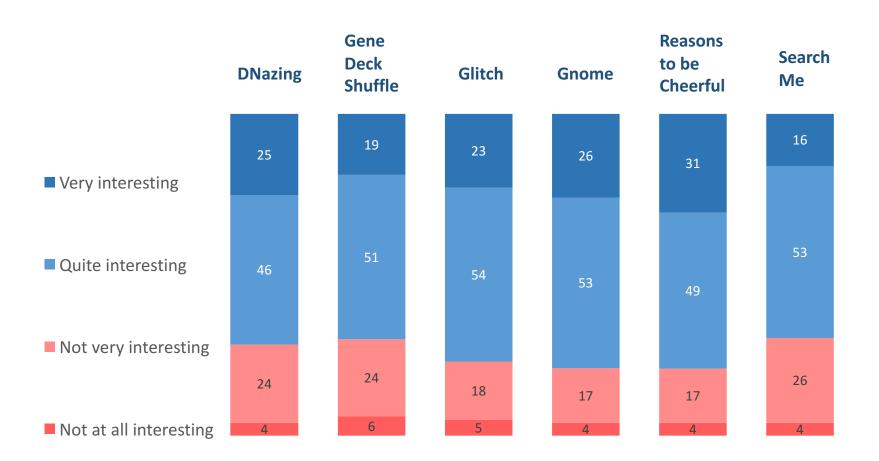




Search Me – using the search engine as a metaphor for sequencing



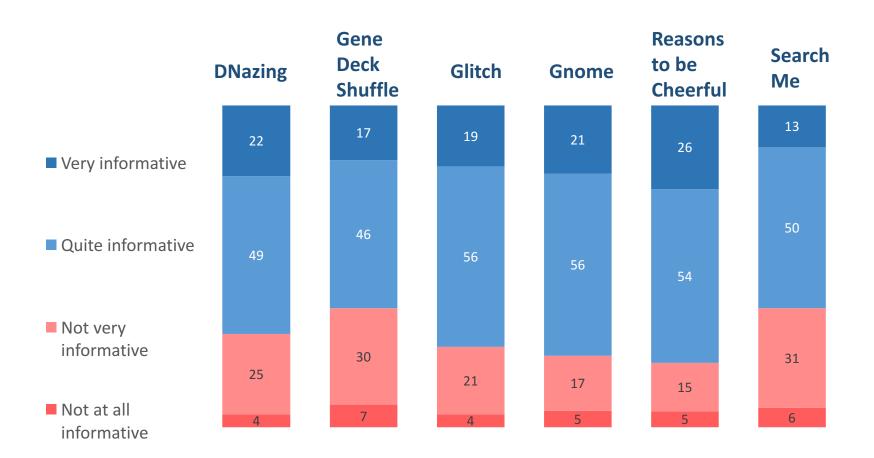
The majority of respondents found the films interesting



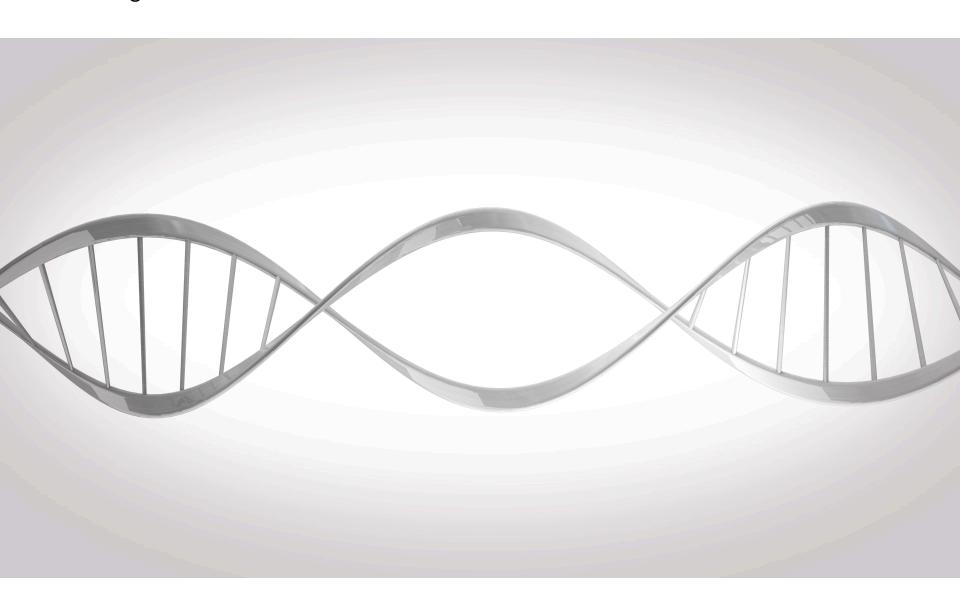
Using the fishing gnome as a metaphor for sequencing



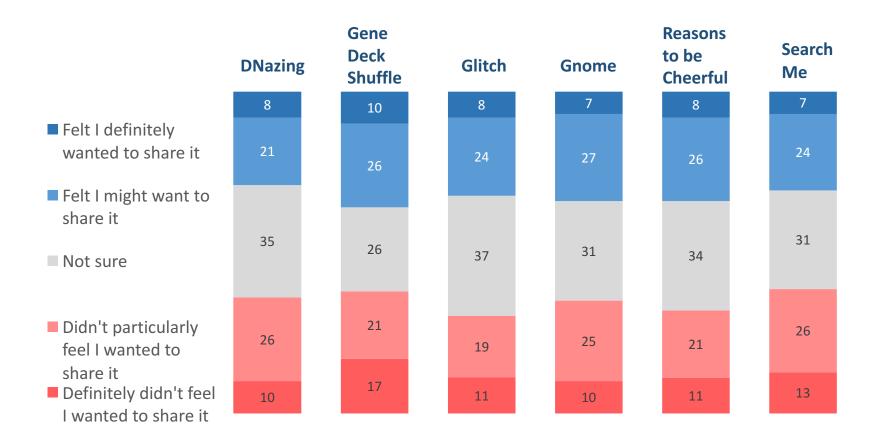
The majority of respondents found the films to be informative



Addressing fears about insurance as a conversation starter



Sharability (e.g. via talking to someone about it, or via social media)



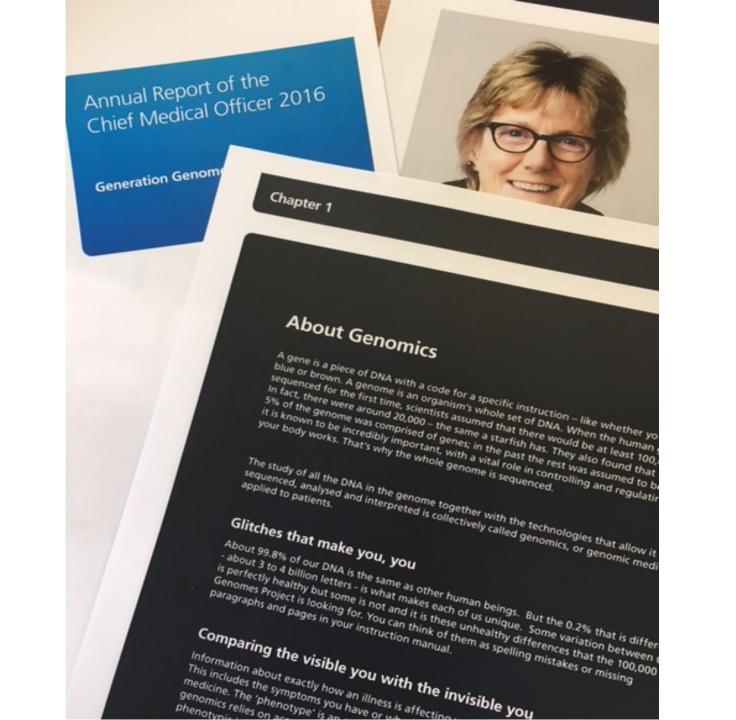
Summary

- Have found some new, evidence-based public engagement methods, to build on
- Quirky works ('gnome', 'glitch', sex, etc)



THE LANCET



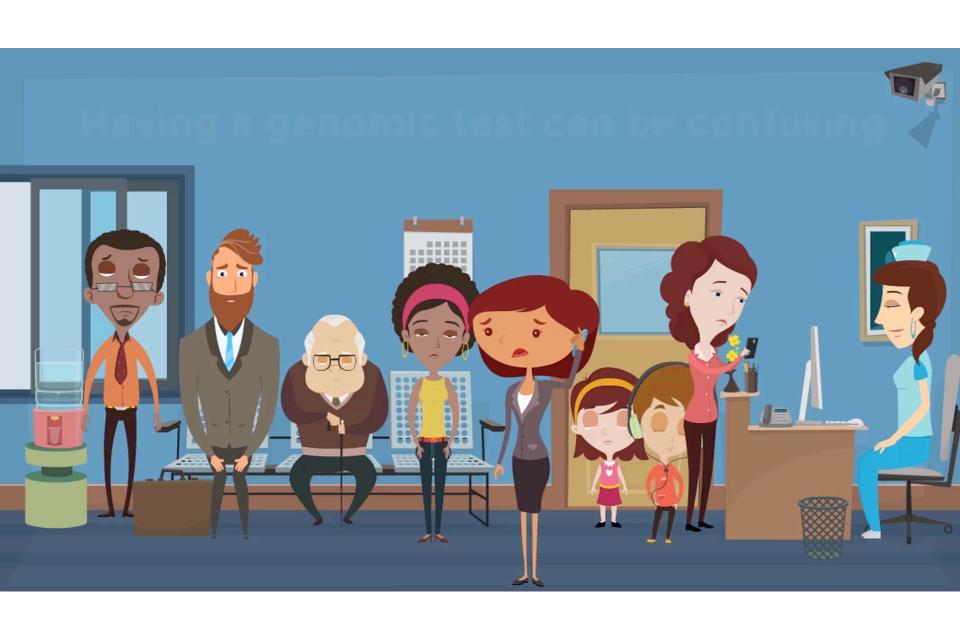


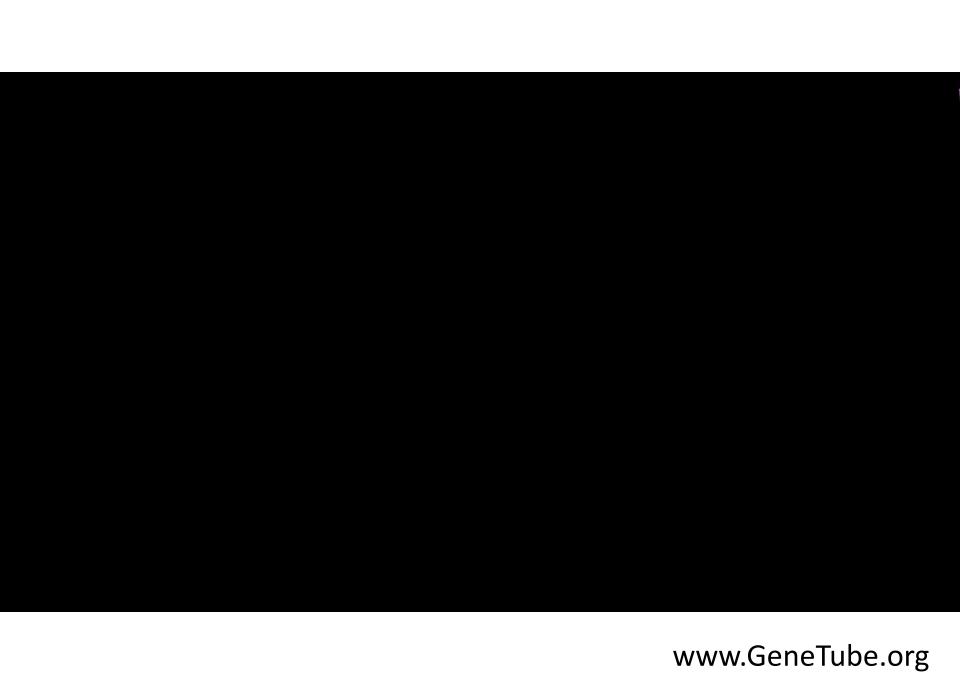
medicine. The 'phenotype' is an

genomics relies on ac-

phenotypic

FUTURE PROJECTS





Acknowledgements

Socialising the Genome Research Group

- Julian Borra
- Vivienne Parry
- Kat Nevin-Ridley
- Amy Sanders
- Julian Rayner





