

(HD)

HD

CAG

HD

Dr Jeff Carroll 2016 7 06
Dr Ed Wild ; Xi Cao
2016 7 05



CAG

HD

CAG

CAG

CAG

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HD

HD

HTT

HD

HD

DNA

CAG

HD

10-20

CAG

HD

CAG

10-26 Normal

27-35 Intermediate

36-39 Reduced penetrance

40+ Full penetrance



HD

HD

CAG 36 39

HD

HD CAG

42

180 CAG

CAG

HD

C-A-G

CAG

1993

HD

CAG

CAG

HD

CAG HD

HD

HDbuzz

the so-called genetic gray area what it might mean for brains

40 CAG

CAG 35

CAG

CAG 36-39

CAG 37

CAG 40

CAG 27 35

HD

HD

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CAG 36-39 HD

CAG 27-35 HD

HD

CAG

HD -HD

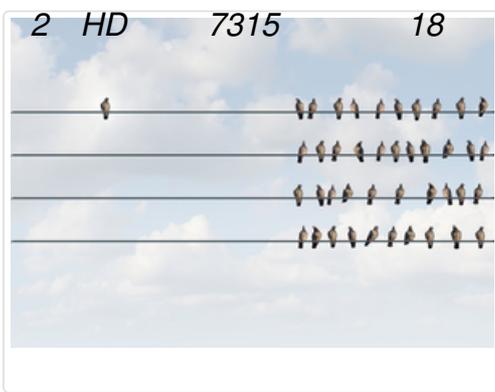
DNA

7000 HD

HD

DNA

7315 CAG HD 14630 7315
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 HD 15 36 39 1/400 HD
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 - 400 - HD 800000 HD 800000
 36-39 CAG HD
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 CAG HD HD

“ 1/400 HD ” — 36-39 CAG
 39 CAG CAG HD
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