



## [References]

1. Kwok CK et al. rG4-seq reveals widespread formation of G-quadruplex structures in the human transcriptome. *Nat. Methods* 13, 841–844 (2016).
2. Yang SY et al. Transcriptome-wide identification of transient RNA G-quadruplexes in human cells. *Nat. Chem. Biol.* 14, 180–183 (2018).
3. Yeung PY et al. Systematic evaluation and optimization of the experimental steps in RNA G-quadruplex structure sequencing. *Sci. Rep.* 9, 8091 (2019).
4. Weng X et al. Keth-seq for transcriptome-wide RNA structure mapping. *Nat. Chem. Biol.* 16, 489–492 (2020).
5. Hansel-Hertsch R et al. G-quadruplex structures mark human regulatory chromatin. *Nat. Genet.* 48, 1267–1272 (2016).
6. Herviou P et al. hnRNP H/F drive RNA G-quadruplex-mediated translation linked to genomic instability and therapy resistance in glioblastoma. *Nat. Commun.* 11, 2661 (2020).
7. Simko EAJ et al. G-quadruplexes offer a conserved structural motif for NONO recruitment to NEAT1 architectural lncRNA. *Nucleic Acids Res.* 48, 7421–7438 (2020).
8. Bolduc F et al. The small nuclear ribonucleoprotein polypeptide A (SNRPA) binds to the G-quadruplex of the BAG-1 5'UTR. *Biochimie* 176, 122–127 (2020).
9. Guo JU et al. RNA G-quadruplexes are globally unfolded in eukaryotic cells and depleted in bacteria. *Science*. Sep 23;353(6306):aaf5371 (2016).
10. von Hacht A et al. Identification and characterization of RNA guanine-quadruplex binding proteins. *Nucleic Acids Res.* Jun;42(10):6630-44 (2014).
11. Haeusler et al. C9orf72 nucleotide repeat structures initiate molecular cascades of disease. *Nature* 507, 195–200 (2014).
12. McRae EKS et al. Human DDX21 binds and unwinds RNA guanine quadruplexes. *Nucleic Acids Res.* Jun 20;45(11):6656-6668 (2017).
13. Serikawa T et al. Comprehensive identification of proteins binding to RNA G-quadruplex motifs in the 5' UTR of tumor-associated mRNAs. *Biochimie.* Jan;144:169-184 (2018).
14. Herdy B et al. Analysis of NRAS RNA G-quadruplex binding proteins reveals DDX3X as a novel interactor of cellular G-quadruplex containing transcripts. *Nucleic Acids Res.* Nov 30;46(21):11592-11604 (2018).
15. Yu H et al. G4Atlas: a comprehensive transcriptome-wide G-quadruplex database. *Nucleic Acids Res.* Jan 6;51(D1):D126-D134 (2023).
16. Bourdon S et al. QUADAtlas: the RNA G-quadruplex and RG4-binding proteins database. *Nucleic Acids Res.* Jan 6;51(D1):D240-D247 (2023).
17. Qian SH et al. EndoQuad: a comprehensive genome-wide experimentally validated endogenous G-quadruplex database. *Nucleic Acids Res.* Jan 5;52(D1):D72-D80 (2024).
18. Zhong HS et al. G4Bank: A database of experimentally identified DNA G-quadruplex sequences. *Interdiscip Sci.* Sep;15(3):515-523 (2023).

19. Birney E et al: An overview of Ensembl. Genome Res. May;14(5):925-8 (2004).