

# The *C9orf72* GGGGCC Repeat Is Translated into A in FTLD/ALS

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous and independent detection of C9ORF72 alleles with low and high number of GGGGCC repeats using an optimised protocol of Southern blot hybridisation. <i>Molecular Neurodegeneration</i> , 2013, 8, 12.	4.4	52
2	Modeling key pathological features of frontotemporal dementia with C9ORF72 repeat expansion in iPSC-derived human neurons. <i>Acta Neuropathologica</i> , 2013, 126, 385-399.	3.9	289
3	c9RAN translation: a potential therapeutic target for the treatment of amyotrophic lateral sclerosis and frontotemporal dementia. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 991-995.	1.5	15
4	Converging Mechanisms in ALS and FTD: Disrupted RNA and Protein Homeostasis. <i>Neuron</i> , 2013, 79, 416-438.	3.8	1,401
5	Homozygosity for the C9orf72 GGGGCC repeat expansion in frontotemporal dementia. <i>Acta Neuropathologica</i> , 2013, 126, 401-409.	3.9	126
6	Protein aggregation in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2013, 125, 777-794.	3.9	461
7	FDG PET and the genetics of dementia. <i>Clinical and Translational Imaging</i> , 2013, 1, 235-246.	1.1	2
8	Hexanucleotide Repeats in ALS/FTD Form Length-Dependent RNA Foci, Sequester RNA Binding Proteins, and Are Neurotoxic. <i>Cell Reports</i> , 2013, 5, 1178-1186.	2.9	419
9	Frontotemporal lobar degeneration: Diversity of FTLD lesions. <i>Revue Neurologique</i> , 2013, 169, 786-792.	0.6	5
10	Bidirectional transcripts of the expanded C9orf72 hexanucleotide repeat are translated into aggregating dipeptide repeat proteins. <i>Acta Neuropathologica</i> , 2013, 126, 881-893.	3.9	427
11	Amyotrophic lateral sclerosis: an update on recent genetic insights. <i>Journal of Neurology</i> , 2013, 260, 2917-2927.	1.8	54
12	Targeting RNA Foci in iPSC-Derived Motor Neurons from ALS Patients with a C9ORF72 Repeat Expansion. <i>Science Translational Medicine</i> , 2013, 5, 208ra149.	5.8	586
13	The mouse C9ORF72 ortholog is enriched in neurons known to degenerate in ALS and FTD. <i>Nature Neuroscience</i> , 2013, 16, 1725-1727.	7.1	67
14	Efficient CRISPR/Cas9 genome editing with low off-target effects in zebrafish. <i>Development (Cambridge)</i> , 2013, 140, 4982-4987.	1.2	418
15	Biology and Genetics of Prions Causing Neurodegeneration. <i>Annual Review of Genetics</i> , 2013, 47, 601-623.	3.2	384
16	Association between repeat sizes and clinical and pathological characteristics in carriers of C9ORF72 repeat expansions (Xpansize-72): a cross-sectional cohort study. <i>Lancet Neurology</i> , The, 2013, 12, 978-988.	4.9	232
17	Dipeptide repeat proteins are present in the p62 positive inclusions in patients with frontotemporal lobar degeneration and motor neurone disease associated with expansions in C9ORF72. <i>Acta Neuropathologica Communications</i> , 2013, 1, 68.	2.4	162
18	Genetics of amyotrophic lateral sclerosis: an update. <i>Molecular Neurodegeneration</i> , 2013, 8, 28.	4.4	271

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19	<i>C9ORF72</i> Intermediate Repeat Copies Are a Significant Risk Factor for Parkinson Disease. <i>Annals of Human Genetics</i> , 2013, 77, 351-363.	0.3	69
20	Frontotemporal lobar degeneration and amyotrophic lateral sclerosis: Molecular similarities and differences. <i>Revue Neurologique</i> , 2013, 169, 793-798.	0.6	23
21	Neurodegenerative lesions: Seeding and spreading. <i>Revue Neurologique</i> , 2013, 169, 825-833.	0.6	24
22	Amyotrophic lateral sclerosis: Problems and prospects. <i>Annals of Neurology</i> , 2013, 74, 309-316.	2.8	117
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26	<i>C9orf72</i> -Associated FTD/ALS: When Less Is More. <i>Neuron</i> , 2013, 80, 257-258.	3.8	3
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28	Clinical Neurogenetics. <i>Neurologic Clinics</i> , 2013, 31, 929-950.	0.8	35
29	RANting about <i>C9orf72</i> . <i>Neuron</i> , 2013, 77, 597-598.	3.8	19
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32	Researchers identify the protein in <i>c9FTD/ALS</i> inclusions. <i>Nature Reviews Neurology</i> , 2013, 9, 183-183.	4.9	0
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34	RAN Translation: Fragile X in the Running. <i>Neuron</i> , 2013, 78, 405-408.	3.8	8
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38	Hypermethylation of the CpG Island Near the G4C2 Repeat in ALS with a C9orf72 Expansion. <i>American Journal of Human Genetics</i> , 2013, 92, 981-989.	2.6	241
39	Dipeptide repeat protein pathology in C9ORF72 mutation cases: clinico-pathological correlations. <i>Acta Neuropathologica</i> , 2013, 126, 859-879.	3.9	298
40	Antisense transcripts of the expanded C9ORF72 hexanucleotide repeat form nuclear RNA foci and undergo repeat-associated non-ATG translation in c9FTD/ALS. <i>Acta Neuropathologica</i> , 2013, 126, 829-844.	3.9	506
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50	Repeat-associated non-ATG (RAN) translation in neurological disease. <i>Human Molecular Genetics</i> , 2013, 22, R45-R51.	1.4	136
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62	Deletion of C9ORF72 Results in Motor Neuron Degeneration and Stress Sensitivity in <i>C. elegans</i> . <i>PLoS ONE</i> , 2013, 8, e83450.	1.1	158
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66	Oligonucleotide-Based Therapy for FTD/ALS Caused by the C9orf72 Repeat Expansion: A Perspective. <i>Journal of Nucleic Acids</i> , 2013, 2013, 1-11.	0.8	8
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82	C9orf72 hexanucleotide repeat expansion analysis in Chinese spastic paraplegia patients. <i>Journal of the Neurological Sciences</i> , 2014, 347, 104-106.	0.3	4
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85	Aggregation-prone c9FTD/ALS poly(GA) RAN-translated proteins cause neurotoxicity by inducing ER stress. <i>Acta Neuropathologica</i> , 2014, 128, 505-524.	3.9	284
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103	Modelling C9ORF72 hexanucleotide repeat expansion in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Acta Neuropathologica</i> , 2014, 127, 377-389.	3.9	43
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117	Antisense Oligonucleotide Therapy for the Treatment of C9ORF72 ALS/FTD Diseases. <i>Molecular Neurobiology</i> , 2014, 50, 721-732.	1.9	48
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129	The Emerging Roles of MicroRNAs in the Pathogenesis of Frontotemporal Dementia—Amyotrophic Lateral Sclerosis (FTD-ALS) Spectrum Disorders. <i>Journal of Neurogenetics</i> , 2014, 28, 30-40.	0.6	46
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135	Discovery of a Biomarker and Lead Small Molecules to Target r(GGGGCC)-Associated Defects in c9FTD/ALS. <i>Neuron</i> , 2014, 83, 1043-1050.	3.8	289
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141	<i>RNA</i> protein interactions in unstable microsatellite diseases. <i>Brain Research</i> , 2014, 1584, 3-14.	1.1	51
142	Identification of <i>C9orf72</i> repeat expansions in patients with amyotrophic lateral sclerosis and frontotemporal dementia in mainland China. <i>Neurobiology of Aging</i> , 2014, 35, 936.e19-936.e22.	1.5	53
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147	Reduced <i>C9orf72</i> protein levels in frontal cortex of amyotrophic lateral sclerosis and frontotemporal degeneration brain with the <i>C9ORF72</i> hexanucleotide repeat expansion. <i>Neurobiology of Aging</i> , 2014, 35, 1779.e5-1779.e13.	1.5	234
148	Isoforms of wild type proteins often appear as low molecular weight bands on SDS-PAGE. <i>Biotechnology Journal</i> , 2014, 9, 1044-1054.	1.8	20
149	<i>C9ORF72</i> in Dementia with Lewy bodies. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1435-1436.	0.9	11

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153	The ER mitochondria calcium cycle and ER stress response as therapeutic targets in amyotrophic lateral sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 147.	1.8	98
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1013	Reduced C9orf72 expression exacerbates polyGR toxicity in patient iPSC-derived motor neurons and a Type I protein arginine methyltransferase inhibitor reduces that toxicity. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	4
1014	C9ORF72 knockdown triggers FTD-like symptoms and cell pathology in mice. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	2
1039	Small Molecules Targeting Repeat Sequences Causing Neurological Disorders. , 2023, , 2107-2137.		0
1043	TDP-43 pathology in the retina of patients with frontotemporal lobar degeneration. <i>Acta Neuropathologica</i> , 0, .	3.9	0
1072	The molecular basis of translation initiation and its regulation in eukaryotes. <i>Nature Reviews Molecular Cell Biology</i> , 2024, 25, 168-186.	16.1	5
1088	Repeat-associated non-AUG (RAN) translation and Huntington's disease: Pathology, mechanistic and therapeutic perspectives. , 2024, , 187-203.		0