

University of Groningen

Mapping of Gene Expression Reveals CYP27A1 as a Susceptibility Gene for Sporadic ALS

Diekstra, Frank P.; Saris, Christiaan G. J.; van Rheenen, Wouter; Franke, Lude; Jansen, Ritsert C.; van Es, Michael A.; van Vught, Paul W. J.; Blauw, Hylke M.; Groen, Ewout J. N.; Horvath, Steve

Published in:
 PLoS ONE

DOI:
[10.1371/journal.pone.0035333](https://doi.org/10.1371/journal.pone.0035333)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
 Publisher's PDF, also known as Version of record

Publication date:
 2012

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Diekstra, F. P., Saris, C. G. J., van Rheenen, W., Franke, L., Jansen, R. C., van Es, M. A., van Vught, P. W. J., Blauw, H. M., Groen, E. J. N., Horvath, S., Estrada, K., Rivadeneira, F., Hofman, A., Uitterlinden, A. G., Robberecht, W., Andersen, P. M., Melki, J., Meininger, V., Hardiman, O., ... Brown Jr., R. H. (2012). Mapping of Gene Expression Reveals CYP27A1 as a Susceptibility Gene for Sporadic ALS. *PLoS ONE*, 7(4), Article e35333. <https://doi.org/10.1371/journal.pone.0035333>

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

	n ALS cases	n Controls	Platform
Discovery			
The Netherlands	1016	7069	Illumina 317K, 370K, 550K
Belgium	300	328	Illumina 370K
Sweden	458	455	Illumina 370K
Ireland	220	209	Illumina 550K
United States	267	267	Illumina 550K
Total	2261	8328	
Replication			
France	231	709	Illumina 317K
United Kingdom	239	212	Illumina 317K
United States	736	791	Illumina 317K
Ireland	101	123	Illumina 610K
Total	1307	1835	
Joint GWAS	3568	10163	

ALS, amyotrophic lateral sclerosis; GWAS, genome-wide association study.