

University of Dundee

**Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity**

Turcot, Valérie; Lu, Yingchang; Highland, Heather M.; Schurmann, Claudia; Justice, Anne E.; Fine, Rebecca S.

*Published in:*  
Nature Genetics

*DOI:*  
[10.1038/s41588-017-0011-x](https://doi.org/10.1038/s41588-017-0011-x)

*Publication date:*  
2018

*Document Version*  
Peer reviewed version

[Link to publication in Discovery Research Portal](#)

*Citation for published version (APA):*

Turcot, V., Lu, Y., Highland, H. M., Schurmann, C., Justice, A. E., Fine, R. S., Bradfield, J. P., Esko, T., Giri, A., Graff, M., Guo, X., Hendricks, A. E., Karaderi, T., Lempradl, A., Locke, A. E., Mahajan, A., Marouli, E., Sivapalaratnam, S., Young, K. L., ... Loos, R. J. F. (2018). Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nature Genetics*, 50(1), 26-41. <https://doi.org/10.1038/s41588-017-0011-x>

**General rights**

Copyright and moral rights for the publications made accessible in Discovery Research Portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from Discovery Research Portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain.
- You may freely distribute the URL identifying the publication in the public portal.

**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.

**Figure 1**

