

SUPPLEMENTARY INFORMATION

TRAIN Consortium members:

| Surname | First Name | Institution |
|------------------|---------------|--|
| Bhutia | Kunzangla | Instituto de Investigacion Santaria, Hospital Clinico SanCarlos |
| Brouard | Sophie | University of Nantes |
| Barril | Xavier | University of Barcelona |
| Carracedo | Arkaitz | Asociación Centro de Investigación Cooperativa en Biociencias |
| Castillo Lluva | Sonia | Instituto de Investigacion Santaria, Hospital Clinico SanCarlos |
| Danger | Richard A.E.D | University of Nantes |
| Day | Jack | Instituto de Investigacion Santaria, Hospital Clinico SanCarlos |
| Deshmukh | Sumeet R | The University of Sheffield |
| Feseha | Yodit | University of Nantes |
| Francis | Sheila | The University of Sheffield |
| Grzesik | Dominika J | William Harvey Research Institute, Queen Mary University, London |
| Hernandez Quiles | Miguel | Universitair Medisch Centrum Utrecht |
| Kalkhoven | Eric | Universitair Medisch Centrum Utrecht |
| Kiss-Toth | Endre | The University of Sheffield |
| Linford | Adam J | Institute for Diabetes and Cancer (IDC), Helmholtz Zentrum München |

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|--------------------|-------------|---|
| Martinez Campesino | Laura | The University of Sheffield |
| Metherall | Louise A | William Harvey Research Institute, Queen Mary University, London |
| Morris | Imogen | Universitair Medisch Centrum Utrecht |
| Niespolo | Chiara | The University of Sheffield |
| Pellegata | Natalia S | Institute for Diabetes and Cancer (IDC), Helmholtz Zentrum München |
| Ruiz Cantos | Miriam | William Harvey Research Institute, Queen Mary University, London |
| Salamanca Vilorio | Juan | University of Barcelona |
| Satam | Swapna S | Institute for Diabetes and Cancer (IDC), Helmholtz Zentrum München |
| Scheideler | Marcel J.C. | Institute for Diabetes and Cancer (IDC), Helmholtz Zentrum München |
| Shahrouzi | Parastoo | Asociación Centro de Investigación Cooperativa en Biociencias |
| Shologu | Ziyanda | Universidade da Beira Interior |
| Shoulders | Carol C | William Harvey Research Institute, Queen Mary University, London |
| Sudbery | Ian | The University of Sheffield |
| Socorro | Silvia | Universidade da Beira Interior |

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| Velasco | Guillermo | Instituto de Investigacion Santaria, Hospital Clinico SanCarlos |
| Villacanas Perez | Oscar | MindtheByte Ltd |
| Wilson | Heather | The University of Sheffield |

Supplementary Table S1: Primers used for RT-qPCR

| Gene name | Primer sequence (5' - 3') |
|-----------|---|
| hTRIB3 | Fw: CTGAGTATCTCAGGTCCACGT Rv: AGGTGGAGCATTTCTCGCGCTA |
| hPPARG1 | Fw: ATGGCATTATGAGACATCCC Rv: CATAATGCCATCAGGTTTGGG |
| 36B4 | Fw: GGAAGGTGTAATCCGTCTCCACAG Rv: CGAGCGCGAGCATGTGT |

Supplementary Table S2: Primers used for ChIP-RT-qPCR.

| Gene name | Primer sequence (5' - 3') |
|--------------|---|
| PPARG pair 1 | Fw: GGATGAGAGCTGGGGAGAAG Rv: TCAGCCCAAGACCCCTTCA |
| PPARG pair 2 | Fw: CTGAGGCAGGGTCATGGTC Rv: AAGACCCCTTCACCCGGTC |
| HSCB | Fw: CACTCCCCCTTCAGCTCAAA Rv: TGGGTGTTTGGTGGTTCGAA |
| Neg | Fw: GAGCCAGGGTTTCTCTGATTC Rv: CCTCAGTGATCAGCCCTAAATG |

Supplementary Table S3: Gene enrichment analysis.

| Gene set | Direction | p-Value |
|----------------------------------|-----------|----------------------|
| Cytoplasmatic ribosomal proteins | Down | 8.42e ⁻¹⁶ |
| Apical junction | Up | 0.0044 |
| Cell differentiation index | Up | 0.001 |
| Translation factors | Down | 0.001 |
| White fat cell differentiation | Up | 0.001 |
| Myc target genes | Down | 1.19 e ⁻⁷ |
| Oxidative phosphorylation | Down | 0.000027 |
| Kras signaling | Up | 0.0013 |
| Fatty acid metabolism | Down | 0.066 |

Supplementary figure s1

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