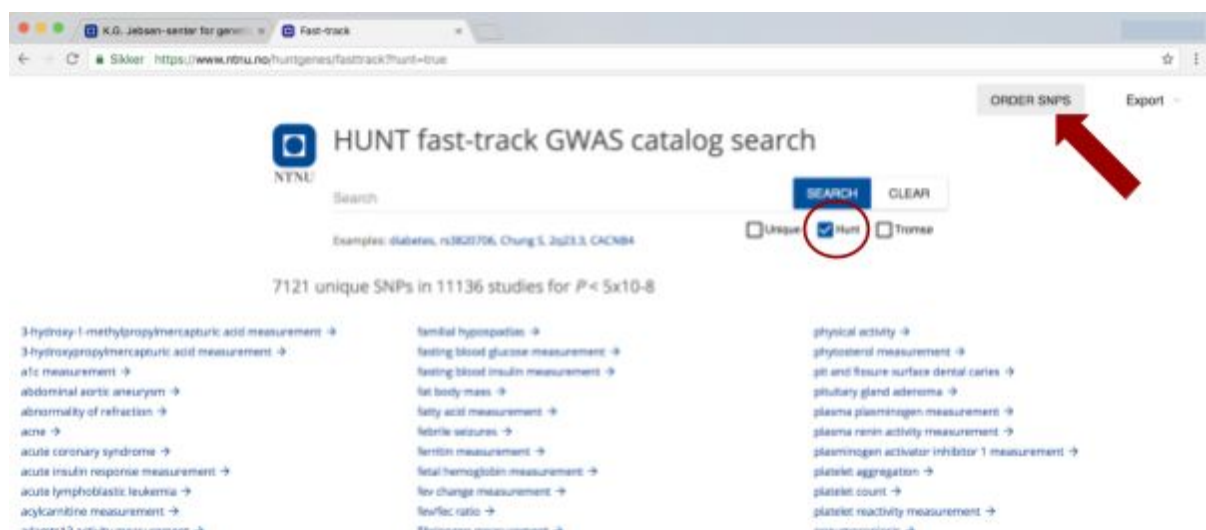


# Ordering Fast-track SNPs-from HUNT fast-track GWAS catalog search

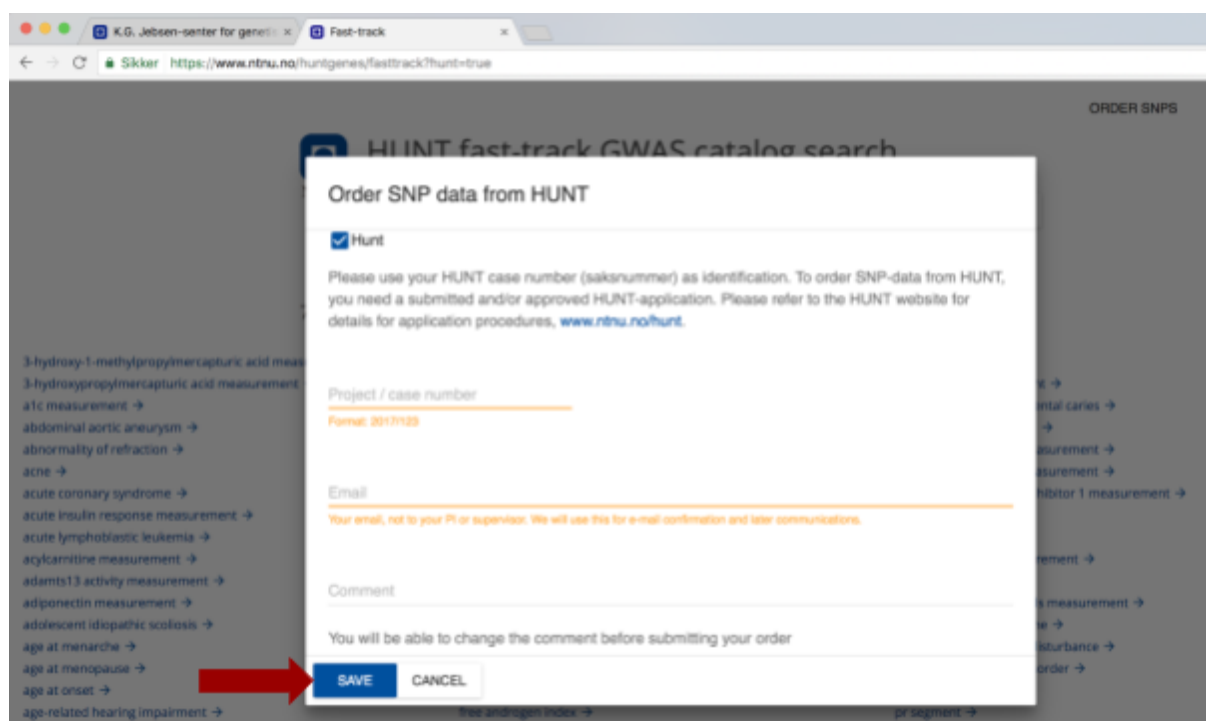
## User guide for fast-track SNP orders from the HUNT fast-track GWAS catalog search

To order fast-track SNPs go to <https://www.ntnu.no/huntgenes/fasttrack>

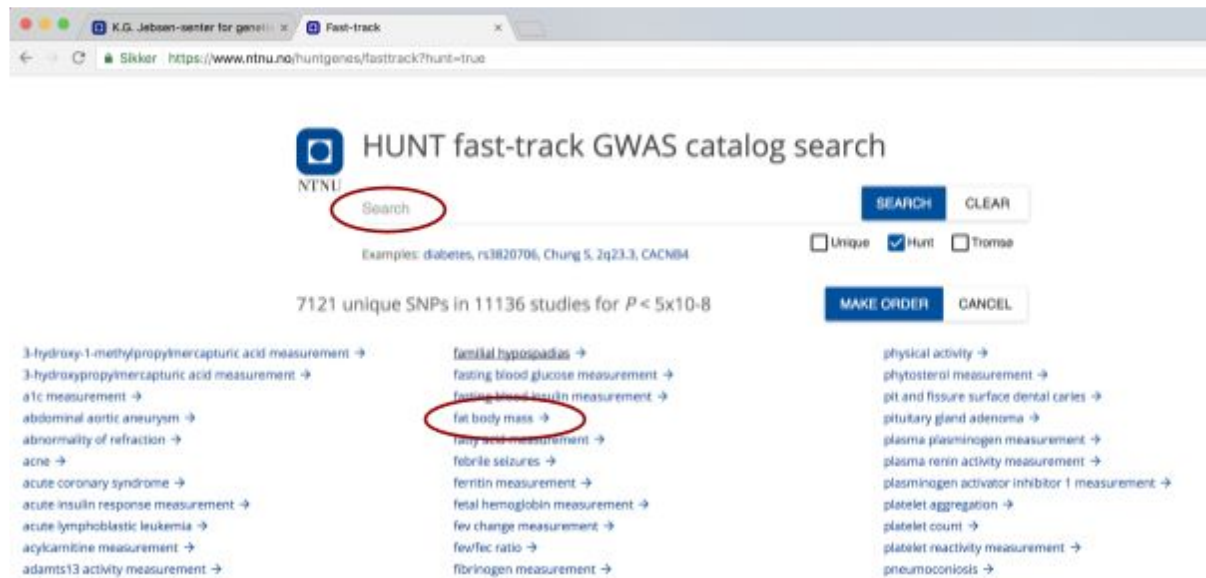
1. Tick the box for selecting SNPs available in the HUNT samples and click on “ORDER SNPS”



2. Fill you project number, e-mail and any comment you might have to your order and click save.



3. BEFORE you click “MAKE ORDER” you must select the SNPs you want to order. Click on the desired trait or use the search function to find your SNPs of interest.



HUNT fast-track GWAS catalog search

Search

Examples: diabetes, rs3820706, Chung S, 2q23.3, CACNB4

☐ Unique ☒ Hunt ☐ Tromsø

7121 unique SNPs in 11136 studies for  $P < 5 \times 10^{-8}$

**MAKE ORDER** **CANCEL**

3-hydroxy-1-methylpropylmercapturic acid measurement →  
 3-hydroxypropylmercapturic acid measurement →  
 a1c measurement →  
 abdominal aortic aneurysm →  
 abnormality of refraction →  
 acne →  
 acute coronary syndrome →  
 acute insulin response measurement →  
 acute lymphoblastic leukemia →  
 acyclovir measurement →  
 adams13 activity measurement →

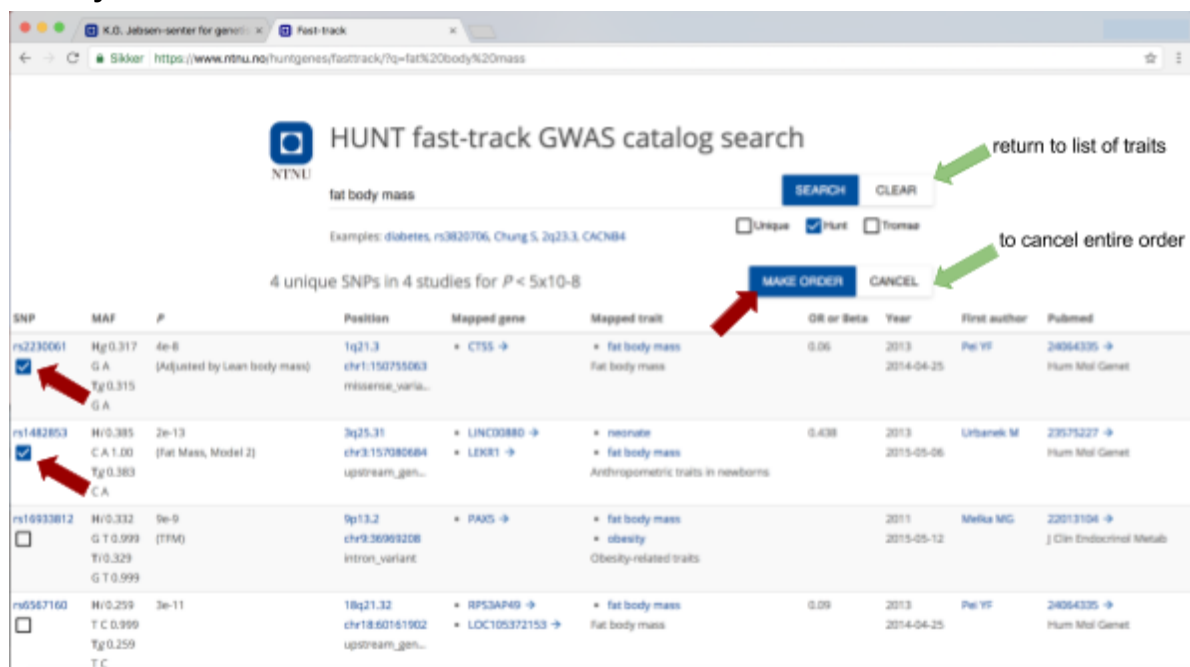
femoral hypoplasia →  
 fasting blood glucose measurement →  
 fasting blood insulin measurement →  
**fat body mass →**  
 fatty acid measurement →  
 febrile seizures →  
 ferritin measurement →  
 fetal hemoglobin measurement →  
 fev change measurement →  
 fev/fec ratio →  
 fibrinogen measurement →

physical activity →  
 phytosterol measurement →  
 pit and fissure surface dental caries →  
 pituitary gland adenoma →  
 plasma plasminogen measurement →  
 plasma renin activity measurement →  
 plasminogen activator inhibitor 1 measurement →  
 platelet aggregation →  
 platelet count →  
 platelet reactivity measurement →  
 pneumoconiosis →

4. Tick the box for your desired SNPs. You can tick of SNPs in multiple categories before you make your order.

- To return to the front page containing list of all traits, click “CLEAR”. SNPs you have selected will NOT be deselected.
- To remove SNPs from the order you must untick the box.
- To remove your complete order, click “CANCEL”

**When you have selected all the SNPs of interest click “MAKE ORDER”**



HUNT fast-track GWAS catalog search

fat body mass

Examples: diabetes, rs3820706, Chung S, 2q23.3, CACNB4

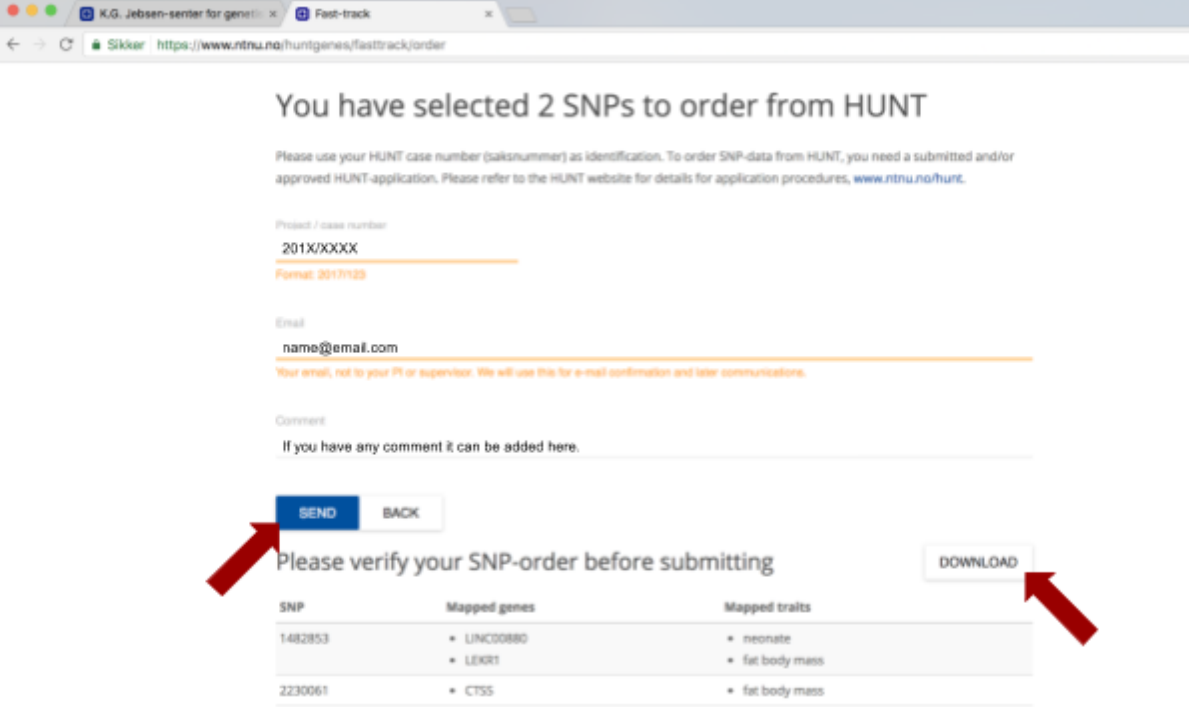
☐ Unique ☒ Hunt ☐ Tromsø

4 unique SNPs in 4 studies for  $P < 5 \times 10^{-8}$

**MAKE ORDER** **CANCEL**

SNP	MAF	P	Position	Mapped gene	Mapped trait	OR or Beta	Year	First author	PubMed
rs2230061	Hg 0.317 G A Tg 0.315 G A	4e-8 (Adjusted by Lean body mass)	1q21.3 chr1:150755063 missense_varia...	CTSS →	* fat body mass Fat body mass	0.06	2013 2014-04-25	Pei YF	24064335 → Hum Mol Genet
rs1482853	Hr 0.385 C A 1.00 Tg 0.383 C A	2e-13 (Fat Mass, Model 2)	3q25.31 chr3:157080684 upstream_gen...	LINC00880 → LXK1 →	* neonate * fat body mass Anthropometric traits in newborns	0.438	2013 2015-05-06	Uthman M	23575227 → Hum Mol Genet
rs16933812	Hr 0.332 G T 0.999 Tt 0.329 G T 0.999	9e-9 (TFM)	9p13.2 chr9:369893208 intron_variant	PAX5 →	* fat body mass obesity Obesity-related traits		2011 2015-05-12	Melika MG	22013104 → J Clin Endocrinol Metab
rs6567160	Hr 0.259 T C 0.999 Tg 0.259 T C	3e-11	18q21.32 chr18:60161902 upstream_gen...	RPS3AP49 → LOC105372153 →	* fat body mass Fat body mass	0.09	2013 2014-04-25	Pei YF	24064335 → Hum Mol Genet

5. You can now review your order, download your list of selected SNPs and send in the order.



**You have selected 2 SNPs to order from HUNT**

Please use your HUNT case number (saksnummer) as identification. To order SNP-data from HUNT, you need a submitted and/or approved HUNT-application. Please refer to the HUNT website for details for application procedures, [www.ntnu.no/hunt](http://www.ntnu.no/hunt).

Project / case number  
201X/XXXX  
Format: 20171123

Email  
name@email.com  
Your email, not to your PI or supervisor. We will use this for e-mail confirmation and later communications.

Comment  
If you have any comment it can be added here.

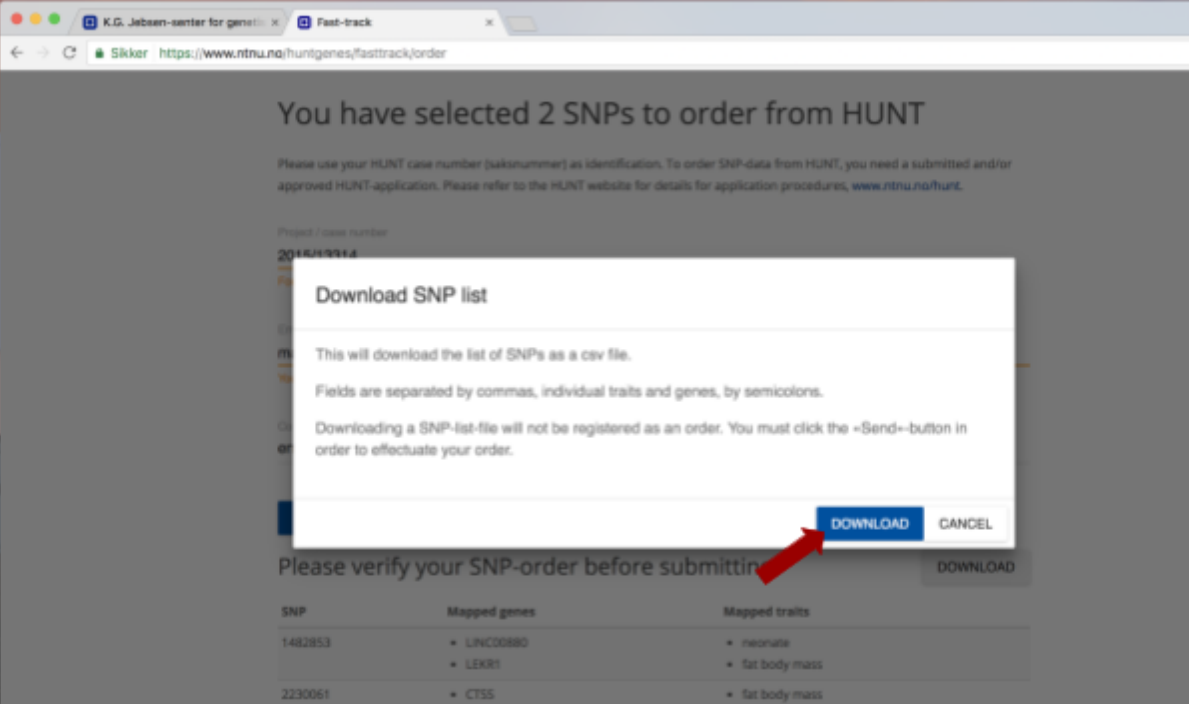
**SEND** **BACK**

**Please verify your SNP-order before submitting**

**DOWNLOAD**

SNP	Mapped genes	Mapped traits
1482853	<ul style="list-style-type: none"><li>LINC00880</li><li>LEKR1</li></ul>	<ul style="list-style-type: none"><li>neonate</li><li>fat body mass</li></ul>
2230061	<ul style="list-style-type: none"><li>CTSS</li></ul>	<ul style="list-style-type: none"><li>fat body mass</li></ul>

6. You can download your SNP-list as a csv.file



**You have selected 2 SNPs to order from HUNT**

Please use your HUNT case number (saksnummer) as identification. To order SNP-data from HUNT, you need a submitted and/or approved HUNT-application. Please refer to the HUNT website for details for application procedures, [www.ntnu.no/hunt](http://www.ntnu.no/hunt).

Project / case number  
201X/XXXX  
Format: 20171123

Email  
name@email.com  
Your email, not to your PI or supervisor. We will use this for e-mail confirmation and later communications.

Comment  
If you have any comment it can be added here.

**SEND** **BACK**

**Please verify your SNP-order before submitting**

**DOWNLOAD**

SNP	Mapped genes	Mapped traits
1482853	<ul style="list-style-type: none"><li>LINC00880</li><li>LEKR1</li></ul>	<ul style="list-style-type: none"><li>neonate</li><li>fat body mass</li></ul>
2230061	<ul style="list-style-type: none"><li>CTSS</li></ul>	<ul style="list-style-type: none"><li>fat body mass</li></ul>

**Download SNP list**

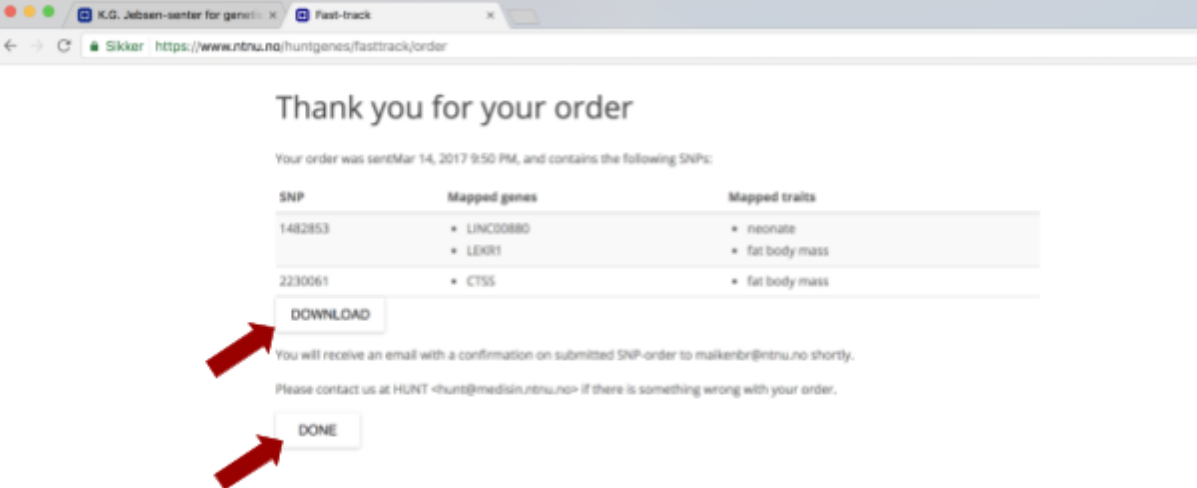
This will download the list of SNPs as a csv file.

Fields are separated by commas, individual traits and genes, by semicolons.

Downloading a SNP-list-file will not be registered as an order. You must click the «Send»-button in order to effectuate your order.

**DOWNLOAD** **CANCEL**

7. When you press send in step 5 you will see this screen. IF you did not download your file in step 5 you will be able to do so now as well. To finish, click “DONE”



Thank you for your order

Your order was sent Mar 14, 2017 9:50 PM, and contains the following SNPs:

SNP	Mapped genes	Mapped traits
1482853	<ul style="list-style-type: none"><li>• LINC00880</li><li>• LEKOR1</li></ul>	<ul style="list-style-type: none"><li>• neonate</li><li>• fat body mass</li></ul>
2230061	<ul style="list-style-type: none"><li>• CTSS</li></ul>	<ul style="list-style-type: none"><li>• fat body mass</li></ul>

[DOWNLOAD](#)

You will receive an email with a confirmation on submitted SNP-order to [maikenbr@ntnu.no](mailto:maikenbr@ntnu.no) shortly.

Please contact us at HUNT <[hunt@medisin.ntnu.no](mailto:hunt@medisin.ntnu.no)> if there is something wrong with your order.

[DONE](#)