

# Short guide on AIMS for data analyzer

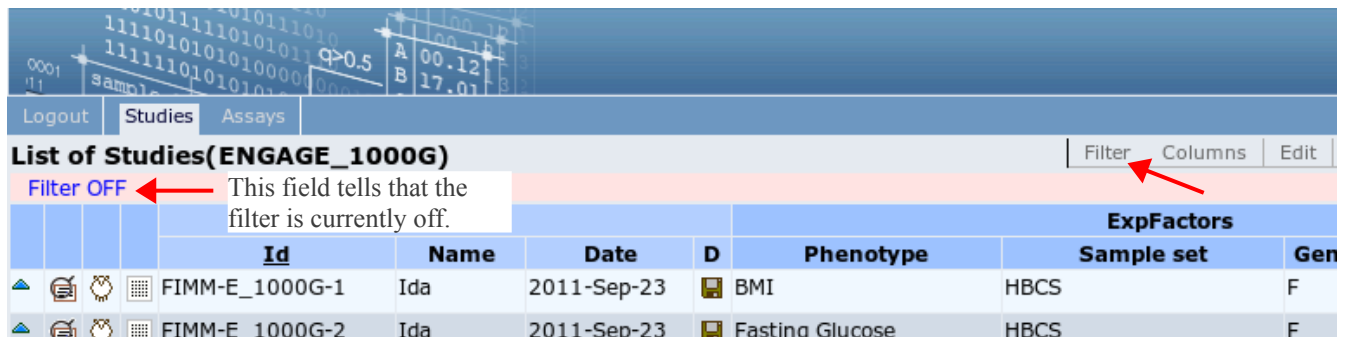
In this short guide we describe how to filter what data is shown in AIMS and how to download data from AIMS.

## Filtering

AIMS has three hierarchical levels to store and handle data. Those levels are Assay, Study and View. On all those 3 levels, filtering of data is possible. In this tutorial we will be filtering data on the *Study* level.

Once logged in to the system, select your collection(ENGAGE\_1000G for example). If you have only one collection available, you will be at Study level straight when you log in.

Filtering is possible on many different experiment factors but for now we want to filter data by *phenotype*. Click on Filter tab.



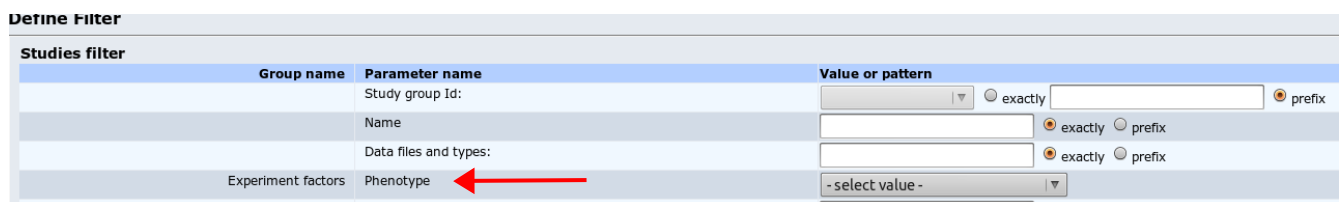
Logout | Studies | Assays

List of Studies(ENGAGE\_1000G) Filter Columns Edit

Filter OFF ← This field tells that the filter is currently off.

					ExpFactors		
	Id	Name	Date	D	Phenotype	Sample set	Gen
▲	FIMM-E_1000G-1	Ida	2011-Sep-23	📁	BMI	HBCS	F
▲	FIMM-E_1000G-2	Ida	2011-Sep-23	📁	Fasting Glucose	HBCS	F

There will be a lot of different filtering options, but for now we are only interested in *Phenotype*.



Define Filter

Studies filter

Group name	Parameter name	Value or pattern
	Study group Id:	<input type="text"/> <input type="radio"/> exactly <input checked="" type="radio"/> prefix
	Name	<input type="text"/> <input checked="" type="radio"/> exactly <input type="radio"/> prefix
	Data files and types:	<input type="text"/> <input checked="" type="radio"/> exactly <input type="radio"/> prefix
Experiment factors	Phenotype ←	- select value -

Click on Experiment factors → phenotype and select for example BMI from drop-down menu, if you want to filter data by BMI phenotype.

Group name	Parameter name	Value or pattern
	Study group Id:	<input type="text"/> <input type="radio"/> exactly <input type="text"/>
	Name	<input type="text"/> <input checked="" type="radio"/> exact
	Data files and types:	<input type="text"/> <input checked="" type="radio"/> exact
Experiment factors	Phenotype	- select value -
Experiment factors	Sample set	- select value -
Experiment factors	Gender	- select value -
Experiment factors	Direct/Imputed	- select value -
Design	Design	- select value -
Design	Number of subjects	- select value -
Instrument details	Genotyping method	- select value -

- select value -  
 BMI  
 Fasting Insulin adjusted for BMI  
 WRH adjusted for BMI  
 Total Cholesterol  
 Fasting Glucose  
 HDL  
 LDL  
 Tg

Click Ok. Now your data is filtered by *BMI phenotype*. Notice the Filter ON text that indicates that you are now filtering the studies.

Logout Studies Assays

**List of Studies(ENGAGE\_1000G)** Filter Columns

Filter ON ← Filtered by. Indicates that the filter is ON. Studies

					ExpFactors		
	Id	Name	Date	D	Phenotype	Sample set	Gen
	FIMM-E_1000G-1	Ida	2011-Sep-23		BMI	HBCS	F

If you need to cancel the filter, click Cancel filter on upper right-hand part of the screen.

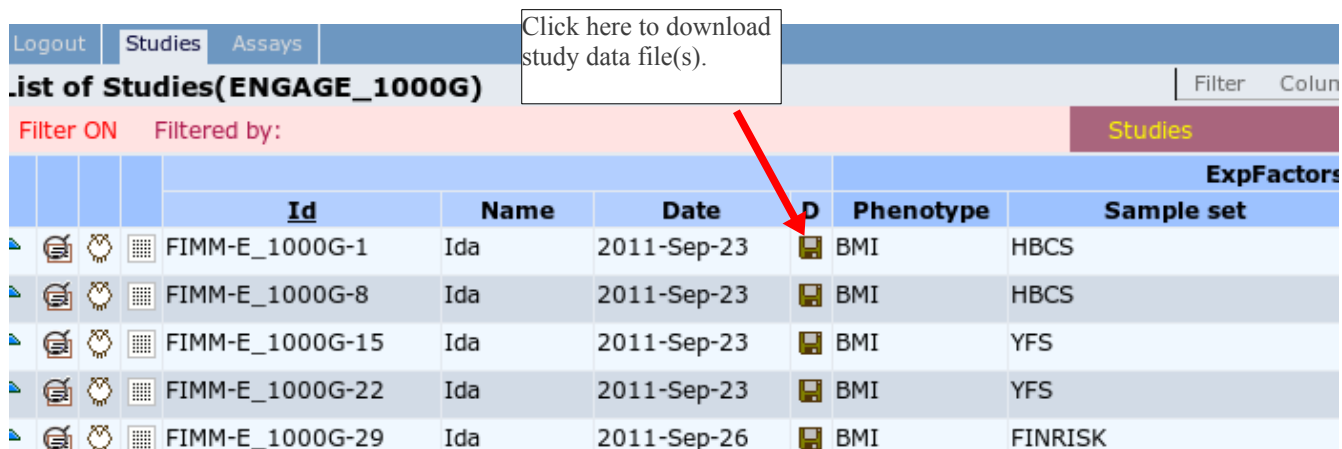
AIMS
Help

Clicking here removes the filter. → Cancel filter

nt	ExpProcessing				Software
hip	Genome build	Type	Adj. & stand.	Distr. transf.	Software
nHap650Y	37	standard	other	inverse normal	IMPUTE, SNPTest

## Data downloading

Downloading data from AIMS is easy. Just click on icon with an image of a disk on particular study, and save the file(s) to your computer. Note: you can download the data only if you are assigned a role as a data analyzer. Otherwise the one who submitted the data file can download the files which he/she submitted. Contact [support@euengage.org](mailto:support@euengage.org) if you need to batch download data files.



The screenshot shows the AIMS interface with a list of studies. A tooltip box with the text "Click here to download study data file(s)." is positioned over a download icon (a disk) in the 'D' column of the first row. A red arrow points from the tooltip to the icon. The table below lists the studies.

List of Studies(ENGAGE_1000G)							Filter	Column	
Filter ON Filtered by:							Studies		
			Id	Name	Date	D	Phenotype	Sample set	ExpFactors
			FIMM-E_1000G-1	Ida	2011-Sep-23		BMI	HBCS	
			FIMM-E_1000G-8	Ida	2011-Sep-23		BMI	HBCS	
			FIMM-E_1000G-15	Ida	2011-Sep-23		BMI	YFS	
			FIMM-E_1000G-22	Ida	2011-Sep-23		BMI	YFS	
			FIMM-E_1000G-29	Ida	2011-Sep-26		BMI	FINRISK	