

## Creating ImmPort lists

A List is composed of records resulted from reference or research data search. There are different types of lists (see below). For instance, a subject list is composed of subjects resulted from research data search based on certain experimental data criteria. Lists are sharable at project level with registered users who are associated with the same research projects and collaborative workspaces as the list owner.

The maximum allowed number of records in the saved list for advanced search is 10,000 records and for data management is 2,000 records. If the number of records exceeds the maximum, the system shall notify the user they cannot save the query results to a list because it exceeds the maximum number and to suggest to the user that they revise their query.

A description of the list can be provided by the user.

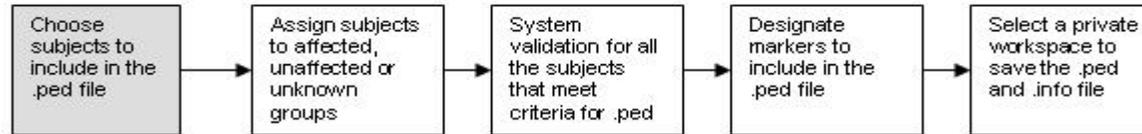
1. From Research data, lists can be obtained from the following:

- Subject
- Biosample
- Experiment
- Experiment Sample
- Reagent
- Protocol

2. From Reference data, lists can be obtained from the following:

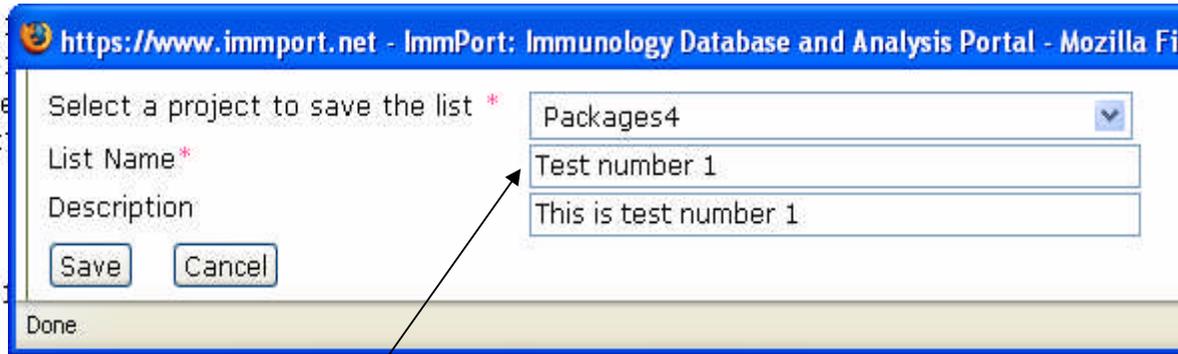
- Gene
- SNP
- Protein
- Allele

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### Saved List Detail

List ID: 150  
 List Name: test 10  
 List Description: test 10  
 Project Name: Package  
 List Type: SUBJECT  
 Total Unique Items Saved: 4  
 Created By: pi1  
 Date Created: 2008-11



Selected items: SUB03030, SUB03031, SUB03032

	Sub Org Accession	User-Defined ID	Species	Race/Strain	Gender	Affection Phen	Affection SI	Project Title
<input checked="" type="checkbox"/>	SUB03030	1	9606		Male	normal healthy	1	TEST PED Generator - ho
<input checked="" type="checkbox"/>	SUB03031	10	9606		Female	high blood press	2	TEST PED Generator - ho
<input checked="" type="checkbox"/>	SUB03032	11	9606		Female	high blood press	2	TEST PED Generator - ho
<input type="checkbox"/>	SUB03034	2	9606		Male	normal healthy	1	TEST PED Generator - ho



The ImmPort genetic analysis data set generation utility allows you to create the .ped (pedigree) and .info (information) files for the 'pre MAKEPED' [linkage file format](#) commonly used in genetic analysis algorithms.

You will be creating a .ped and .info file set from genotype data stored in ImmPort. The linkage file generation process has the following three steps:

### 1. Choose Subjects:

The subjects whose genotyping results that you wish to include in the linkage file should be defined in a user defined ImmPort SUBJECT lists. This facilitates creating a linkage file from the genotyping results of large number of subjects. You can save SUBJECT lists from the [Advanced Research Data Search](#) results. More details on [how to make an ImmPort list](#) are available.

### 2. Assign Subjects To Phenotype Group:

The .ped file format supports three (3) phenotypic groups for association analysis:

- Affected (case)
- Unaffected (control) and
- Unknown

You may assign a SUBJECT list to a phenotype group by selecting a radio button in the appropriate column. One or more SUBJECT lists may be assigned to a phenotype group.

At least one SUBJECT list must be assigned to at least one phenotype group to proceed. It is not necessary for a list to be assigned to each phenotype group.

### 3. Validate Subjects:

When you have assigned all of the lists you wish to use to their appropriate group, please click the 'Validate' button. This will evaluate whether any of the subjects in the lists are assigned to more than one phenotype group. If no subjects are assigned to more than one phenotype group, then the ped generation tool evaluates whether subjects in each group meet the [ped file generation criteria](#) and which do not.

During the ped generation process, the set of list choices remains the same unless you change the subject list selection on this page or 'Clear' all subjects lists. The Clear option removes all subject list choices so that you can start the process over again. To deselect a subject list from a category, just click on that select again. You can change the category into which a subject list selected by merely clicking on the phenotype group you wish the list to reside in.

Subject List name in .ped generation

[See the .ped and .info file generation user guide for more details]



Subject List Name	Description	Case	Control	Unknown
100 hum SUBs	100 hum SUBs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20081031_subject_8	Subject 8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20081031_subject_all	Subject all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>