

June 30, 2011 v.2

# tranSMART Release Notes

See the supplemental [Patch Release Notes](#) for improvements that this patch release has made to the June 30, 2011 release.

## Contents

<b>Pre-Requisites .....</b>	<b>2</b>
<b>New Features in This Release.....</b>	<b>3</b>
<b>Sample Explorer .....</b>	<b>3</b>
<b>SNPViewer Enhancements.....</b>	<b>3</b>
<b>Integrated Genomics Viewer .....</b>	<b>4</b>
<b>Asynchronous Operations .....</b>	<b>4</b>
<b>Enhanced Naming Conventions .....</b>	<b>5</b>
<b>Performance Enhancements .....</b>	<b>6</b>
<b>Trials and Studies in Dataset Explorer.....</b>	<b>7</b>
<b>Johnson &amp; Johnson Clinical Trials in tranSMART Search.....</b>	<b>20</b>
<b>Resolved Defects .....</b>	<b>21</b>
<b>Known Defects .....</b>	<b>22</b>

## Pre-Requisites

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The following software and configuration settings are required to use all the features of tranSMART:

- **Microsoft Internet Explorer Version 8**

Internet Explorer version 8 is required to access all tranSMART features.

**Note:** Compatibility mode is supported.

- **Pop-ups must be allowed from the tranSMART web site**

If your browser and/or your security software blocks pop-ups, you must configure the browser or security software to accept pop-ups from the tranSMART site (<https://transmart.jnj.com/transmart>).

See [Configuration Tips](#) for instructions on configuring IE8 to allow pop-ups from the tranSMART site.

- **Ariadne Genomics Pathway Studio**

Required to generate visualizations of tranSMART search results in Pathway Studio.

- **Authorization for the Johnson & Johnson Pictor and Hydra sites**

- **Java**

The current release of tranSMART requires Java version 1.6.0\_19 (Java Version 6, Update 19) or later.

**To check your version of Java:**

1. Open a DOS box (**Start > All Programs > Accessories > Command Prompt**).

2. Type the following text at the command prompt, then press **Return**:

```
java -version
```

3. Alternatively, open a browser and go to the following site:

<http://www.javatester.org/version.html>

**To download the latest version of Java:**

1. Open a browser and go to the following site:

<http://java.com/en/download/manual.jsp>

2. Download the Java version supported by your operating system.

**Note:** For additional configuration information, see [Configuration Tips](#).

## New Features in This Release

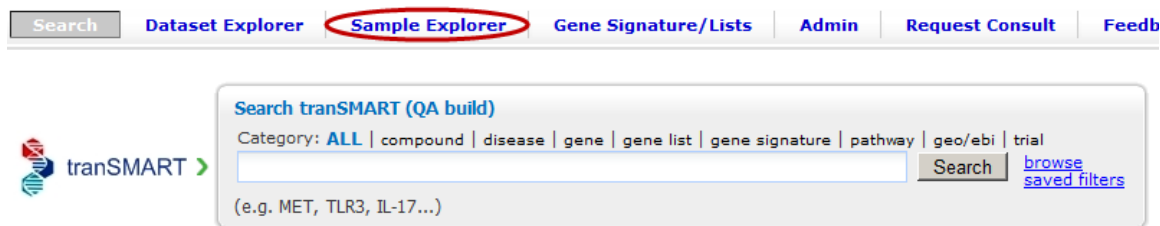
### Sample Explorer

This is a major new feature that lets you search for tissue and blood samples of interest. Once you find the samples you want, you can perform tasks such as:

- Finding Biobank IDs to locate the samples in the Biobank
- Locating the study that produced the samples in the Dataset Explorer
- Projecting sample data onto a heat map

**Note:** In the current release, Sample Explorer heat maps can be based on Subset 1 definitions only.

To open the window for sample searches, click the tranSMART **Sample Explorer** tab:



### SNPViewer Enhancements

Enhancements that allow you to filter SNP array data multiple ways have been introduced in this release. You were limited in the last release to select one or more chromosomes to include in the visualization. In addition to filtering by chromosome, you are now able to filter by gene, SNP rs ID, or a combination of genes and SNP rs IDs. The complete list of filtering methods is described below:

Filtering Method	Description
By Chromosome	Select one or more chromosomes to include in the visualization, or select <b>ALL</b> to include all chromosomes. If gene or SNP rs IDs are entered, the selection of chromosomes is ignored.
By Gene	To select a gene, type all or part of the gene into the <b>Add a Gene</b> field. Separate multiple genes with commas. <b>Note:</b> Some genes that you select as filters in tranSMART may not be found in the GenePattern SNPViewer.

Filtering Method	Description
By SNP rs ID	To add a SNP rs ID, type the full ID into the <b>Selected SNPs</b> field. Separate multiple IDs with commas.
By a combination of genes or SNP rs IDs	Follow the instructions above to add a combination of genes or SNP rs IDs.

## Integrated Genomics Viewer

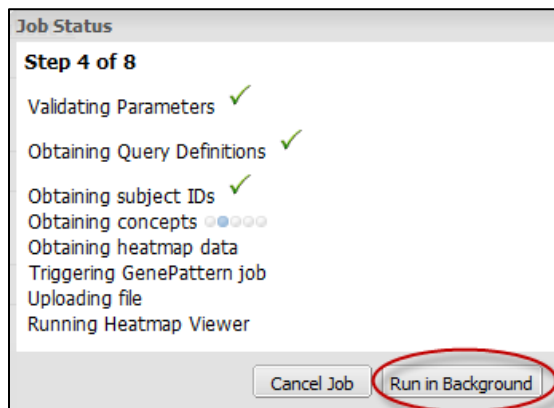
A new visualizer has been added to tranSMART. The Integrated Genomics Viewer (IGV) is a high-performance visualization tool designed for interactive exploration of large, integrated datasets. The processes for selecting comparison definitions and filtering data are much like those of SNPViewer.

Dataset Explorer uses the Broad Institute's IGV genomic analysis platform to generate SNP visualizations. For more information about the Broad Institute's Integrative Genomics Viewer, go to the following site: <http://www.broadinstitute.org/igv/>.

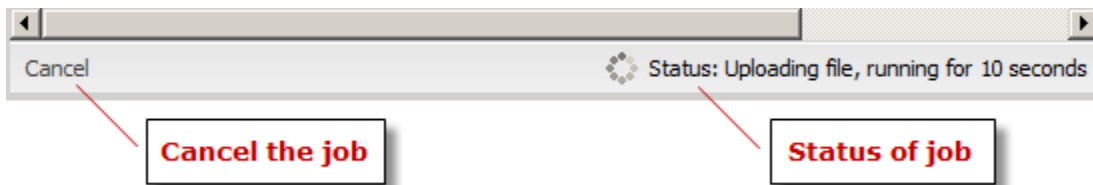
## Asynchronous Operations

In this release, all the operations on the Dataset Explorer Advanced menu except the SNPViewer and Integrated Genomics Viewer can be performed asynchronously.

Analyses run in the background of the program, allowing you to use other features of the tranSMART application or to perform additional analyses simultaneously within Dataset Explorer.



When you run a job in the background, the status of the job appears in the browser's status bar at the bottom of the window. A Cancel button also appears there, allowing you to cancel the job:



## Jobs Tab

The Jobs tab allows you to review analyses you have run previously, and also to see the status of analyses you have chosen to run in the background. Each advanced workflow that you have run in the past seven days is logged in the Jobs tab in a spreadsheet format.

## Running a Logged Job

Each advanced analysis that you have run in the previous seven days will be logged in the Jobs tab. You may view the visualization again by clicking the name of the job:

Name	Status	Run Time	Started On
<a href="#">user-Compare-5221</a>	Completed	8.707 seconds	2011-01-01 00:00:00.000
<a href="#">user-Select-5207</a>	Started		2011-01-01 00:00:00.000
<a href="#">user-PCA-5179</a>	Uploading file		2011-01-01 00:00:00.000
<a href="#">user-Select-5207</a>	Error		2011-01-01 00:00:00.000
<a href="#">user-PCA-5174 68</a>	Started		2011-01-01 00:00:00.000
<a href="#">user-PCA-5179</a>	Error		2011-01-01 00:00:00.000

[Refresh](#)

## Enhanced Naming Conventions

The following name structures have changed:

### Patient IDs in Heat Maps

Patient IDs now have three parts: The patient's Dataset Explorer subset (S1 or S2), the study ID, and the ID of the patient as assigned for the study, as shown below. If the patients' study ID is not available, the patients' tranSMART record ID is used instead, as in past releases.

112 113 13 116 108 998 999 4	Patient ID Used in the Study
GSE26104 GSE26104 GSE26104 GSE26104 GSE26104 GSE26104 GSE26104	Study ID
S1 S1 S1 S2 S2 S2 S2*	Subset 1 or Subset 2

Feature	Description
1007 s at...	DDR1
1053 at:R...	RFC2
117 at:HS...	HSPA6
121 at:PAX8	PAX8
1255 q at...	GUCA1A

Johnson & Johnson Clinical Trial Names

Clinical trial names that appear in Dataset Explorer (and in the table [Clinical Trials](#) on page 7) now have the following structure:

*TrialID\_DrugName\_Condition*

For example:

C0168T30\_Infliximab\_Heart Failure

In some cases, *TrialID* might include the drug ID.

Performance Enhancements

Various efforts were undertaken in this release to improve overall tranSMART performance, including attempts to reduce processing time to display data-intensive GenePattern heat maps and other visualizations.

## Trials and Studies in Dataset Explorer

The following table shows the list of clinical trials and studies included in Dataset Explorer. Items underlined and in red are either new or updated in this release.

**Note:** You may see the notations **NA** and **Unknown** in the trial and study data. **NA** indicates not applicable, and **Unknown** indicates not available.

### Clinical Trials

Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
<a href="#"><u>26866138 CAN-1001 Bortezomib Non-Hodgkins Lymphoma Multiple Myeloma</u></a>	<a href="#"><u>An Open-Label Study to Assess the Effect of Omeprazole Administration on the Pharmacokinetics of VELCADE in Subjects With Advanced SolidTumors, Non-Hodgkin's Lymphoma, or Multiple Myeloma</u></a>							✓		
<a href="#"><u>26866138 LYM-3001 Bortezomib Rituximab Non-Hodgkins Lymphoma</u></a>	<a href="#"><u>A randomized, open-label, multicenter study of VELCADE with Rituximab or Rituximab alone in subjects with relapsed or refractory, Rituximab naïve or sensitive follicular B-cell Non-Hodgkin's Lymphoma</u></a>			✓				✓		
<a href="#"><u>26866138 MMY-3002 Bortezomib Multiple Myeloma</u></a>	<a href="#"><u>An Open-Label, Randomized Study of VELCADE/ Melphalan/Prednisone Versus Melphalan/Prednisone in Subjects With Previously Untreated Multiple Myeloma</u></a>							✓		
<a href="#"><u>38518168 ARA2001 JNJ-38518168 Arthritis, Rheumatoid</u></a>	<a href="#"><u>A Phase IIa Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study of JNJ-38518168 in Subjects with Active Rheumatoid Arthritis Despite Methotrexate Therapy With Synovial Biopsy Substudy</u></a>									

Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
39758979_ ASH2001_ JNJ-39758979_ Asthma	A Double-Blind, Randomized, Placebo-Controlled, Parallel Group Exploratory Study of the Safety and Efficacy of JNJ-39758979 in the Treatment of Adults with Persistent Asthma									
C-2006-004_ JNJ-26113100_ Dermatitis, Atopic	A Double-blind, Randomized, Placebo-Controlled, Sequential Cohort Exploratory Study of the Safety and Efficacy of JNJ-26113100 in the Treatment of Adult Atopic Dermatitis that is Moderate in Severity					✓				
C-2006-009_ RWJ-445380_ Arthritis, Rheumatoid	A Phase IIa Multicenter, Randomized, Double-Blind, Placebo -Controlled, Parallel Group Study of RWJ-445380 Cathepsin-S Inhibitor in Subjects with Active Rheumatoid Arthritis Despite Methotrexate Therapy	✓	✓							
C0168T29_ Infliximab_ Arthritis, Rheumatoid	A Randomized, Double-blind, Trial of Anti-TNF Chimeric Monoclonal Antibody (Infliximab) in Combination with Methotrexate Compared with Methotrexate Alone for the Treatment of Patients with Early Rheumatoid Arthritis		✓							
C0168T30_ Infliximab_ Heart Failure	A Phase II, Multicenter, Randomized, Double-blind, Placebo-controlled Pilot Trial Evaluating the Effects of Infliximab (REMICADE®) in Patients with Stable Class III or IV Congestive Heart Failure									
C0168T32_ Infliximab_ Arthritis, Rheumatoid	A Randomized, Double-blind Trial of Anti-TNF Chimeric Monoclonal Antibody (Infliximab) in Combination with Methotrexate for the Treatment of Patients with Polyarticular Juvenile Rheumatoid Arthritis		✓							



Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
C0168T37_ Infliximab_ Ulcerative Colitis	A Randomized, Placebo-controlled, Double-blind Trial to Evaluate the Safety and Efficacy of Infliximab in Patients with Active Ulcerative Colitis		✓							
C0168T37_ Infliximab_ Ulcerative Colitis_ Anonymized	A Randomized, Placebo-controlled, Double-blind Trial to Evaluate the Safety and Efficacy of Infliximab in Patients with Active Ulcerative Colitis	✓								
C0168T41_ Infliximab_ Arthritis, Rheumatoid	A Randomized, Double-blind Trial of the Safety of Anti-TNF Chimeric Monoclonal Antibody (Infliximab) in Combination with Methotrexate Compared to Methotrexate Alone in Patients with Rheumatoid Arthritis on Standard Disease-modifying Antirheumatic Drug Background Therapy									
C0168T44_ Infliximab_ Psoriasis	A Phase III, Multicenter, Randomized, Double-blind, Placebo-controlled Trial Evaluating the Efficacy and Safety of Infliximab Induction Therapy Followed by Multiple Regimens of Maintenance Infliximab Therapy in Subjects with Plaque-type Psoriasis				✓					
C0168T48_ Infliximab_ Sarcoidosis	A Multicenter, Randomized, Double-blind, Placebo controlled Trial Evaluating the Safety and Efficacy of Infliximab (REMICADE®) in Subjects with Chronic Sarcoidosis with Pulmonary Involvement	✓	✓							
C0168T50_ Infliximab_ Arthritis, Psoriatic	A Multicenter, Randomized, Double-blind Trial of Anti-TNF Chimeric Monoclonal Antibody (Infliximab) for the Treatment of Subjects with Psoriatic Arthritis		✓							

Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
C0168T54_ Infliximab_ Pulmonary Disease, Chronic Obstructive	A Phase II, Multicenter, Randomized, Double-blind, Placebo-controlled Parallel Group, Dose Finding Study Evaluating the Safety and Efficacy of Infliximab Administration in Symptomatic Subjects with Moderate to Severe Chronic Obstructive Pulmonary Disease (COPD)	✓	✓			✓				
C0168T60_ Infliximab_ Cachexia	A Phase II, Multicenter, Randomized, Double-blind, Placebo controlled Study Evaluating the Efficacy and Safety of Anti-TNF Monoclonal Antibody (Infliximab) to Treat Cancer-Related Cachexia in Subjects with Pancreatic Cancer									
C0168T65_ Infliximab_ Cranial Arteritis	A Randomized, Double-masked, Placebo-controlled, Multicenter Study of the Safety and Efficacy of Infliximab in Subjects with Giant Cell Arteritis									
C0328T05_ Siltuximab_ Multiple Myeloma	A Phase 2 Multicenter Study of Siltuximab (Anti IL-6 Monoclonal Antibody) in Subjects with Relapsed or Refractory Multiple Myeloma	✓	✓		✓					
C0524T02_ Golimumab_ Arthritis, Rheumatoid	A Randomized, Double-blind, Dose-ranging Trial of CNTO 148 Subcutaneous Injection Compared with Placebo in Subjects With Active Rheumatoid Arthritis Despite Treatment With Methotrexate		✓							
C0524T03_ Golimumab_ Asthma	A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group, Dose-ranging Study Evaluating the Efficacy and Safety Of CNTO 148 Administered Subcutaneously in Symptomatic Subjects With Severe Persistent Asthma	✓	✓		✓			✓		

Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
C0524T05_ Golimumab_ Arthritis, Rheumatoid	A Multicenter, Randomized, Double-blind, Placebo-controlled Trial of Golimumab, a Fully Human Anti-TNF Monoclonal Antibody, Administered Subcutaneously, in Methotrexate-naïve Subjects with Active Rheumatoid Arthritis	✓	✓							
C0524T06_ Golimumab_ Arthritis, Rheumatoid	A Study of the Safety and Efficacy of Golimumab in Subjects With Active Rheumatoid Arthritis Despite Methotrexate Therapy	✓	✓			✓				
C0743T10_ Ustekinumab_ Arthritis, Psoriatic	A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled Trial of CNTO 1275, a Fully Human Anti-IL-12 Monoclonal Antibody, Administered Subcutaneously, in Subjects with Active Psoriatic Arthritis	✓	✓							
<a href="#">C1034T02_ Intetumumab_ Melanoma</a>	<a href="#">A Phase 1/2, Multi-Center, Blinded, Randomized, Controlled Study of the Safety and Efficacy of the Human Monoclonal Antibody to Human Integrins (CNTO 95), Alone and in Combination with Dacarbazine, in Subjects with Stage IV Melanoma</a>									
C1034T06_ Intetumumab_ Prostate Cancer	A Phase 1, Multi-Center, Open-Label, Ascending-Dose Study of the Safety of the Human Monoclonal Antibody to Human $\alpha$ V Integrins (CNTO 95) in Combination with Docetaxel in Subjects with Metastatic Hormone Refractory Prostate Cancer									
C1034T07_ Intetumumab_ Melanoma_ Angiosarcoma	A Phase 1, Multicenter, Open-label, Multiple-administration Study of CNTO 95, a Human Monoclonal Antibody to the Human Alpha v Integrin Receptors, in Patients with Melanoma or Angiosarcoma		✓			✓				

Trial Name study	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								Candidate Gene	SNP Chip	
<a href="#">C1034T08 Intetumumab Prostate Cancer</a>	<a href="#">A Randomized, Double-blind, Multicenter, Phase 2 Study of a Human Monoclonal Antibody to Human v Integrins (CNTO 95) in Combination With Docetaxel and Prednisone for the First-Line Treatment of Subjects With Metastatic Hormone Refractory Prostate Cancer</a>									

## Experimental Medicine Studies

Experimental Medicine Study Name	Area of Study	Compound	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
									Candidate Gene	SNP Chip	
<a href="#">ADNI</a>	<a href="#">Alzheimer's Disease Neuroimaging Initiative (ADNI) – Multi-center, non-treatment study</a>	<a href="#">N/A</a>								✓	
BRC Anti-depressant Study	Depression	Various anti-depressants			✓	✓		✓	✓	✓	✓
BRC Depression Study_ Depression	Depression	n/a			✓	✓		✓	✓	✓	✓
C0328X02_ Siltuximab_ Prostate Cancer	Prostate Adenocarcinoma	Siltuximab		✓	✓	✓					

Experimental Medicine Study Name	Area of Study	Compound	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
									Candidate Gene	SNP Chip	
C0743X01_ Sarcoidosis <i>See the note following table</i>	Detection of Mediators of Sarcoidosis Skin Lesions.	n/a	✓			✓					
NORMALS	n/a	n/a	✓								
Sebastian Johnston_ Asthma_ Study	Discovery of novel therapies for asthma exacerbations.	n/a	✓			✓					

**Note:** Experiment C0743X01 contains sets of gene expression data based on skin tissue samples and blood samples. Performing a comparison of gene expression data based on different types of samples will yield scientifically invalid results.

## Internal Studies

Internal Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								Candidate Gene	SNP Chip	
A431CellLineSCC_ CNTO2559	Effect of CNTO2559 anti-Tissue Factor Antibody on A431 Human Squamous Cell Carcenoma Xenografts in Female SCID Beige Mice				✓					
A431CellLineSCC_ CNTO6141	Effect of CNTO6141 anti-Tissue Factor Antibody on A431 Human Squamous Cell Carcenoma Xenografts in Female SCID Beige Mice	✓			✓					

Internal Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Precos_Colorectal Cancer_2010	Colorectal tissue: study mode of action of two drugs and identify pharmacodynamic and response predictive markers.				✓					
Precos_Gastric Cancer_2010	Gastric tissue: study mode of action of two drugs and identify pharmacodynamic and response predictive markers.				✓					
Precos_Metastatic LiverCancer_2010	Study based on liver tissue.				✓					
Precos_Oesophageal Cancer_2010	Oesophageal tissue: study mode of action of two drugs and identify pharmacodynamic and response predictive markers.				✓					
Precos_Pancreatic Cancer_2010	Pancreatic tissue: study mode of action of two drugs and identify pharmacodynamic and response predictive markers.				✓					
TNBC2010_Triple_Negative_Breast_Cancer_2010	A study of breast tissue samples obtained from an outside vendor (Asterand).									
Veridex_Breast Cancer_2003	Find marker genes for human breast cancer.				✓					
Veridex_Colon Cancer_2003	Find marker genes for human colon cancer.				✓					
Veridex_Lung Cancer_2003	Find marker genes for human lung cancer.				✓					
Veridex_Ovary Cancer_2004	Find marker genes for human ovary cancer.				✓					
Veridex_Prostate Cancer_2004	Find marker genes for human prostate cancer.				✓					

## Public Studies

Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Ambs_Prostate Cancer_GSE6956	Tumor immunobiological differences in prostate cancer between African-American and European-American men.				✓					
Ammous_COPD_GSE8545	Variability in Small Airway Epithelial Gene Expression Among Normal Smokers				✓					
Arijs_IBD_GSE16879	Mucosal expression profiling in patients with inflammatory bowel disease.				✓					
Beer_Lung Adenocarcinoma_Study	Gene-expression profiles predict survival of patients with lung adenocarcinoma				✓					
Bhattacharjee_Lung Adenocarcinoma_Study	Classification of human lung carcinomas by mRNA expression profiling.				✓					
Bienkowska_RheumatoidArthritis_GSE15258	Whole blood transcript profiling of rheumatoid arthritis patients.				✓					
Bochkov_Asthma_GSE13396	Rhinovirus-induced modulation of gene expression in bronchial epithelial cells from subjects with asthma				✓					
Bosco_Asthma_GSE19903	<u>Expression in induced sputum during acute exacerbations in asthmatic children with/without chronic airflow obstruction</u>				✓					
Carolan_COPD_GSE5058	Airway epithelium, small airways, normal non-smokers, phenotypic normal smokers, smokers with COPD and early COPD				✓					
Chng_Multiple Myeloma_GSE6477	Expression data from different stages of plasma cell neoplasm.		✓		✓					

Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
<a href="#">Creighton Prostate Cancer GSE12702</a>	<a href="#">Genomic profiling of prostate cancer in African-American patients</a>				✓			✓		
<a href="#">DeJager Multiple Sclerosis GSE16214</a>	<a href="#">Expression data from relapsing/remitting MS samples</a>				✓					
Diette_Asthma_ GSE473	PGA human CD4+ lymphocytes.				✓					
Finelt_OncostatinM_ GSE2822	Oncostatin experiment				✓					
<a href="#">Fitsialos Wounded Keratinocytes GSE6820</a>	<a href="#">Transcriptional signature of wounded keratinocytes and roles for ERK1/2, P38, and PI3K signaling pathways</a>				✓					
<a href="#">Gandhi Multiple Sclerosis GSE17048</a>	<a href="#">Multiple Sclerosis Blood Cell mRNA Transcriptome</a>				✓					
<a href="#">Goertsches Multiple Sclerosis GSE24427</a>	<a href="#">Expression data of multiple sclerosis patients receiving Interferon-beta therapy</a>				✓					
<a href="#">Gurevich Multiple Sclerosis GSE15245</a>	<a href="#">Prediction of acute multiple sclerosis relapses by transcription levels of peripheral blood cells</a>				✓					
<a href="#">Hecker Multiple Sclerosis GSE19285</a>	<a href="#">Expression data of multiple sclerosis patients receiving Interferon-beta therapy</a>				✓					
Kaminski_IPF_ GSE10667	MMP1 and MMP7 as potential peripheral blood biomarkers in Idiopathic Pulmonary Fibrosis				✓					
<a href="#">Kato NHLymphoma GSE12906</a>	<a href="#">SNP data from lymphoma samples</a>							✓		
Khambata-Ford_ ColorectalCancer_ GSE5851	Phase II exploratory pharmacogenomics study of cetuximab monotherapy in patients with advanced metastatic CRC		✓		✓					



Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Lilly_Asthma_GSE3004	Effects of allergen challenge on airway epithelial cell gene expression. Transcription profiling of human airway epithelial cells before and after segmental allergen challenge to identify effects of allergen challenge on airway epithelial cell gene expression				✓					
<a href="#">Lindsey_Multiple Sclerosis_GSE19224</a>	<a href="#">Gene expression changes in multiple sclerosis relapse suggest activation of T and non-T cells</a>				✓					
<a href="#">Lu_ColorectalCancer_NSCLCancer_GSE20481</a>	<a href="#">Affymetrix SNP array data for NSCLC and CRC</a>							✓		
<a href="#">Malhotra_Multiple Sclerosis_GSE26104</a>	<a href="#">Search for specific biomarkers of IFN-beta bioactivity in patients with MS</a>				✓					
Milano_Scleroderma_GSE9285	Gene Expression Profiling of Scleroderma Skin				✓					
Misior_Asthma_GSE13168	Effects of glucocorticoids and Protein Kinase A on growth factor- and 1beta- regulated gene				✓					
Mulligan_Multiple Myeloma_GSE9782	Gene expression profiling and correlation with outcome in clinical trials of the proteasome inhibitor bortezomib		✓		✓					
Nevins_LungCancer_GSE3141	Signatures of Oncogenic Pathway Deregulation in Human Cancers				✓					
Radom_Azik_Exercise_GSE8668	Effects of exercise on gene expression in human neutrophils				✓					

Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Ramakrishna_Ovarian Cancer_GSE19539	Identification of Novel Oncogene Loci in Ovarian Cancer through Integrated Copy Number and Expression Analysis							✓		
Raponi_Acute_MyeloidLeukemia_GSE8970	A two-gene classifier for predicting response to the farnesyltransferase inhibitor tipifarnib in acute myeloid leukemia.				✓					
Raponi_Squamous CellLungCarcinoma_GSE4573	Gene expression signatures for predicting prognosis of squamous cell lung carcinomas.				✓					
<a href="#">Reid_ColorectalCancer_GSE16125</a>	<a href="#">Prioritizing cancer genes in sporadic colon cancer</a>							✓		
Riker_Melanoma_GSE7553	Gene expression patterns involved in the malignant transformation and progression of metastatic melanoma.				✓					
Rosenbaum_Sarcoidosis_GSE18781	Gene expression in inflammatory diseases.				✓					
Sboner_Prostate Cancer_GSE16560	Molecular Sampling of Prostate Cancer: a dilemma for predicting disease progression				✓					
Scatolini_Melanoma_GSE12391	Melanoma: comparison between common nevi, radial/vertical growth phase melanoma, metastases and dysplastic nevi				✓					
Shaughnessy_MultipleMyeloma_GSE2658	Gene expression profiles of multiple myeloma				✓					
Shaykhiev_COPD_GSE13896	Smoking-dependent Reprogramming of Alveolar Macrophage Polarization: Implication for Pathogenesis of COPD				✓					

Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Sieber_Colorectal Cancer_GSE13294	Expression data from primary colorectal cancers				✓					
Sieber_Colorectal Cancer_GSE14333	Expression data from 290 primary colorectal cancers				✓					
Smith_Colorectal Cancer_GSE17536	Metastasis Gene Expression Profile Predicts Recurrence and Death in Colon Cancer Patients.				✓					
Smith_KeloidFibrosis_GSE7890	Gene profiling of keloid fibroblasts shows altered expression in multiple fibrosis-associated pathways				✓					
Spannhake_Asthma_GSE470	Asthma exacerbatory factors.				✓					
Spira_Smoking LungCancerCOPD_GSE994	Effects of cigarette smoke on the human airway epithelial cell transcriptome.				✓					
Valk_AcuteMyeloid Leukemia_GSE1159	Expression profiles of acute myeloid leukemia patient samples.				✓					
Wang_Breast Cancer_GSE2034	Breast cancer relapse free survival				✓					
Wang_TransBIG_BreastCancer_GSE7390	Strong time dependence of the 76-gene prognostic signature.				✓					
Watanabe_Colorectal Cancer_GSE4554	Gene expression signature of colorectal cancer with microsatellite instability				✓					
Watson_Lung Adenocarcinoma_GSE12667	Discovery of somatic mutations in lung adenocarcinomas				✓					
Woodruff_Asthma_GSE2125	A distinctive alveolar macrophage activation state induced by cigarette smoking.				✓					

Public Study Name	Area of Study	RBM	ELISA	Proteomics	mRNA	Cell-Based Markers	Metabolomics	Genetic Biomarkers		Other
								SNP Chip	Candidate Gene	
Woodruff_Asthma_GSE4302	Genome-Wide Profiling of Airway Epithelial Cells in Asthmatics, Smokers and Healthy Controls				✓					
Yu_AcuteMyeloid Leukemia_GSE5122	Identification of molecular predictors of response in a study of tipifarnib treatment in relapsed and refractory AML.				✓					
Zaba_Psoriasis_GSE11903	Gene expression profiles as response to etanercept treatment in patients with Psoriasis.				✓					

## Johnson & Johnson Clinical Trials in tranSMART Search

The following table shows the list of Johnson & Johnson clinical trials that can be included in a tranSMART search result.

Trial	Title	Platform
C0168T37	A Randomized, Placebo-controlled, Double-blind Trial to Evaluate the Safety and Efficacy of Infliximab in Patients with Active Ulcerative Colitis.	Affymetrix Human Genome U133 Plus 2.0 array
C0168T44	A Phase III, Multicenter, Randomized, Double-blind, Placebo-controlled Trial Evaluating the Efficacy and Safety of Infliximab Induction Therapy Followed by Multiple Regimens of Maintenance Infliximab Therapy in Subjects with Plaque-type Psoriasis.	Affymetrix Human Genome U133 Plus 2.0 array
C0168T48	A Multicenter, Randomized, Double-blind, Placebo-controlled Trial Evaluating the Safety and Efficacy of Infliximab (REMICADE®) in Subjects with Chronic Sarcoidosis with Pulmonary Involvement.	RBM

<b>Trial</b>	<b>Title</b>	<b>Platform</b>
C0379T02	A Phase I, Double-blind, Placebo-controlled Study Evaluating the Safety and Pharmacology of Single Subcutaneous Administrations of Human Monoclonal Antibody to IL-12 (CNTO 1275) in Subjects with Moderate to Severe Psoriasis Vulgaris.	DNA
C0379T03	A Phase I, Double-blind, Placebo-controlled Study Evaluating the Safety and Pharmacology of Single Subcutaneous Administrations of Human Monoclonal Antibody to IL-12 (CNTO 1275) in Subjects with Relapsing Forms of Multiple Sclerosis.	DNA
C0379T07	A Multicenter, Randomized, Phase 2a Study of Human Monoclonal Antibody to IL-12p40 (CNTO 1275) in Subjects With Moderately to Severely Active Crohn's Disease.	Affymetrix Human Genome U133 Plus 2.0 array
C0524T03	A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel-group, Dose-ranging Study Evaluating the Efficacy and Safety Of CNTO 148 Administered Subcutaneously in Symptomatic Subjects With Severe Persistent Asthma.	Affymetrix Human Genome U133 Plus 2.0 array
C0743T10	A Phase 2, Multicenter, Randomized, Double-blind, Placebo-controlled Trial of CNTO 1275, a Fully Human Anti-IL-12 Monoclonal Antibody, Administered Subcutaneously, in Subjects with Active Psoriatic Arthritis.	RBM
C0743T12	A Phase 3, Multicenter, Randomized Study Comparing CNTO 1275 and Etanercept for the Treatment of Moderate to Severe Plaque Psoriasis.	Affymetrix Human Genome U133 Plus 2.0 array
C0743X01`	Detection of Mediators of Sarcoidosis Skin Lesions.	Affymetrix Human Genome U133 Plus 2.0 array, RBM

## Resolved Defects

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The following defects have been resolved since the January 25, 2011 release:

[JNJ-2210](#) — Async Job Status bar disappears when viewing Generate Summary Statistics.

Fixed in the July 16, 2011 Patch Release.

[JNJ-2201](#) — Cannot view the heat map if multiple jobs are run in the background.

Fixed in the July 16, 2011 Patch Release.

[JNJ-2186](#) — Clicking Dataset Explorer Node Link for a tranSMART search result generates a not-found-on-server error.

Fixed in the July 16, 2011 Patch Release.

[JNJ-2171](#) — Values in the Compare Subsets-Pathway Selection dialog box for a standard heat map are not the values in the subset boxes. All fields default to ALL.

Fixed in the July 16, 2011 Patch Release.

[JNJ-2105](#) — Unable to view data for public study GSE7390.

[JNJ-2094](#) — Data issue with H4 study selection criteria, resulting in reduced patient count.

[JNJ-2084](#) — When creating a gene signature, some specified genes could not be found with the Agilent technology platform. (See also JNJ-2083.)

[JNJ-2052](#) — Can't delete a user.

[JNJ-2009](#) — Platform/Sample/Timepoint selector allows user to submit blank values.

[JNJ-1393](#) — In a heat map generated from a tranSMART search result, the Filter By: Gene/Pathway radio button appears not to have any effect on the heat map display.

## Known Defects

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[JNJ-2220](#) — Related to [JNJ-2171](#), the Compare Subsets Pathway Selection dialog boxes do not populate possible values. ALL gives the impression that the analysis will run across all platforms, but that is not the case.

Discovered during work on the July 16, 2011 Patch Release.

[JNJ-2209](#) — Some tranSMART searches take an unusually long time to return a result set.

[JNJ-2208](#) — Scroll bar is required on the Survival Analysis screen.

[JNJ-2204](#) — The Select a Gene/Pathway field should not be highlighted as 'required' for a standard heat map.

[JNJ-2202](#) — Clicking Export Results for a tranSMART search result sometimes causes a Grails error.

[JNJ-2181](#) — I selected a timepoint of Day 001 in the DSE subset box, but the Compare Subset/Pathway Selection dialog box showed the timepoint as All.

[JNJ-2174](#) — Cannot display Gene Signature Details dialog box for the last Gene signature listed on the Gene Signature List page.

- [JNJ-2172](#) — Clicked Save after defining cohorts, and emailed the link to the saved criteria to myself. But a webpage-not-found error appears when I click the link in the email.
- [JNJ-2167](#) — Disease pathways from Pictor need to be loaded into search application.
- [JNJ-2164](#) — The DSE and Search states should persist when a user switches between both contexts.
- [JNJ-2158](#) — Dialog popups should be centered on screen.
- [JNJ-2157](#) — Add link to a description for each trial in the Trials and Studies section in online Help.
- [JNJ-2154](#) — Users should be able to reset their tranSMART password.
- [JNJ-2146](#) — ORA-00936 occurs when attempting to run a query saved as Private.
- [JNJ-2143](#) — Should allow for multiple generic compound names.
- [JNJ-2110](#) — Unable to delete a user if the user has previously created a gene signature.
- [JNJ-2101](#) — Error creating a gene list using a simple tab-delimited file in Excel.
- [JNJ-2100](#) — Running a saved survival analysis does not include cohort comparison details.
- [JNJ-2087](#) — Cannot render summary statistics when selecting a node with a "<" character.
- [JNJ-2085](#) — In the admin console, on the Manage Study Access for User/Group screen, some study protocols do not display in the list of available trials.
- [JNJ-2080](#) — With Comparative Marker Selection workflow for RBM data, heat maps should use Z-scores, but statistical calculations should use raw concentrations.
- [JNJ-2047](#) — Dataset Explorer search failed to find studies based on ANDed search criteria.
- [JNJ-1979](#) — Selecting genes for haploviews in Dataset Explorer doesn't work as expected.
- [JNJ-1974](#) — When adding members to a group, the autotype feature is not finding some names.
- [JNJ-1973](#) — Results of across-trial comparisons are not labeled correctly.
- [JNJ-1954](#) — Hydra does not recognize the gene CD24 from a tranSMART search.
- [JNJ-1883](#) — Display of cross trial in dataset explorer is incorrect for text nodes.
- [JNJ-1797](#) — Handle GeneGo issues more gracefully.
- [JNJ-1796](#) — Index headers of GEO studies for text searching.
- [JNJ-1745](#) — Problem with disease indexing of GSE2052.

[JNJ-1742](#) — In a heat map generated with Firefox or IE8, the query is not shown, as it is with IE6.

[JNJ-1645](#) — An advanced tranSMART search resulted in an unresponsive application.

[JNJ-1637](#) — Too much empty space may appear at the bottom of the Jubilant Oncology Alterations Summary screen, possibly resulting in user not seeing controls for additional summary pages.

[JNJ-1635](#) — Clicking **Log out** on a ResNet search result also logs out of tranSMART.



**Comment:** Do not click the ResNet Log out button. Use the tranSMART buttons and tabs to leave a ResNet search result. However, if you do click the ResNet **Log out** button, you may be able to return to tranSMART with your browser's **Back** button.

[JNJ-1631](#) — In a ResNet search result, cannot see the choices displayed through the **Other** button if the gene list sent to ResNet is too long.

[JNJ-1630](#) — Heat map text for pathways should be text, not pathway ID.

[JNJ-1629](#) — Gene expression search view and export to Excel problems.

[JNJ-1623](#) — Unable to filter on Heterodimerization as the mechanism for the Jubilant Interaction Filter.

[JNJ-1611](#) — Breast cancer results appear under connective tissue in an Under mRNA profiles search result.

[JNJ-1488](#) — Bug in KEGG Pathway Result in Pictor for gene signature created by Chris Ward.

**Comment:** This appears to be a Pictor issue.

[JNJ-1461](#) — When exporting Dataset Explorer data to Excel, an @ character appears in one of the columns.

[JNJ-1438](#) — Print button on Dataset Explorer always tries to print the tab for the analysis view, even on the haploview tab.

[JNJ-1403](#) — In a Literature search result, column labels Data Type and Alterations Type in the Show Summary view are switched.



[JNJ-1192](#) — Need trial metadata for the BRC Depression and Antidepressant studies. (See also JNJ-1462.)

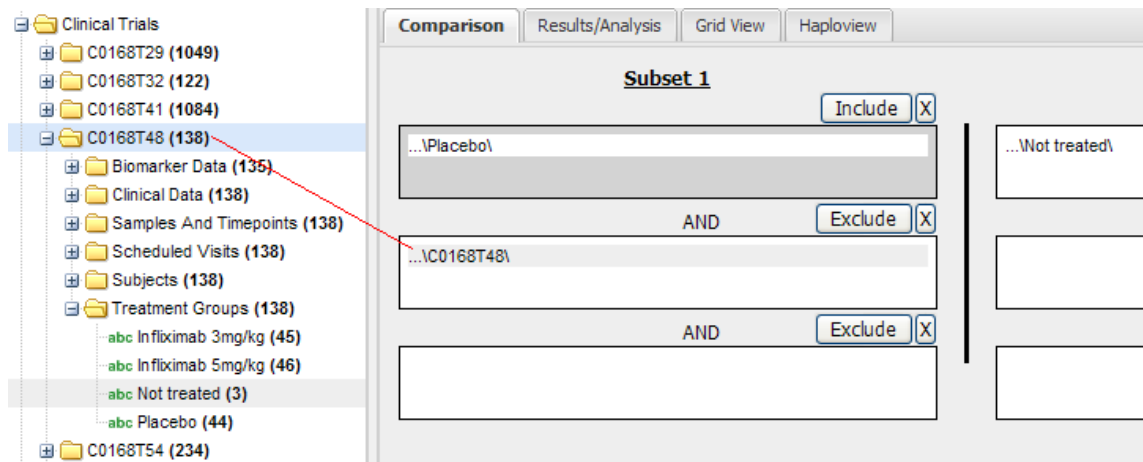
[JNJ-1087](#) — In Dataset Explorer, the ages of some study subjects are undefined when an “Exclude” criteria is used. This is an i2b2 limitation.

**Workaround:** Add the trial node (for example, C0168T48) as an AND criteria in the subset that contains the exclusion.

[JNJ-1086](#) — In Dataset Explorer, an “Exclude” clause in the query definition causes the query to search across all clinical trials that the user has access to. The result is that more subjects appear to be participants in the study than is actually the case.

**Workaround:** If a query definition has an exclusion clause, drag the clinical trial into a query definition box for the subset containing the exclusion, making sure that the clinical trial is ANDed in the definition. The scope of the search will now be limited to that clinical trial only.

In the following figure, the clinical trial C0168T48 is dragged into the query definition as an AND clause, after the excluded (AND NOT) clause.



[JNJ-1020](#) — Various issues with metadata in Omicsoft, including requests that metadata contain organism, cell type, platform, and author.