Dictionary to genes Number of enthies Number of genes	Summary of Dictionaries							
MoSH-MOMIM ID	Dictionary to genes		Number of entries		Number	of ger	nes	
MeSH/OMIM ID Human: 171162. Mouse: 171162 Human: 82297. Mouse: 81418 MeSH/chem ID Human: 69816. Mouse: 69816 Human: 152965. Mouse: 145284 PubMed Phrase Human: 70856. Mouse: 67229 Human: 789856. Mouse: 760844 Best matches of the TM. FACS dataset from gueries generated by sample variants from the index created from PubTator Tabula Muns, FACS Comment rs7079 Renal dysplasia Tabula Muns, FACS Comment rs83761094 Lynch syndrome I Cotion, hematopolietic stem cell of the high risk of coion cancer risk of coion cancer high risk of coion cancer high risk of coion cancer high risk of coion cancer risk of coion cancer high risk of coion cancer risk of coion cancer high risk of coion cancer high risk of coion cancer high risk of coion cancer risk of coion cancer high risk of coion cancer high risk of coion cancer risk of coion canc	Variant ID		Human: 12911, Mouse: 1	1617	Human:	77648	3, Mouse: 68240	
MeSH/Chem ID	GWAS traits terms		Human: 958, Mouse: 958		Human: 1		4922, Mouse: 14922	
PubMed Phrase Furmant 70808, Mouse: 67229 Furmant 789896, Mouse: 750844	MeSH/OMIM ID		Human: 171162, Mouse:	171162	Human: 8		7, Mouse: 81418	
Best matches of the TM, FACS dataset from queries generated by sample variants from the index created from Pub Tator Variant SNPedia Tabula Muris, FACS Comment rs7079 Renal dysplasia mesenchymal stem cell of the adipose control to the rs7079 Renal dysplasia mesenchymal stem cell of the adipose control to the rs7079 Renal dysplasia control to the adipose control to the rs7079 Renal dysplasia control to the adipose control to the rs7079 Renal dysplasia control to the rs7079 Renal dys	MeSH/chem ID		Human: 69816, Mouse: 6	9816	Human:	15296	65, Mouse: 145284	
Variant SNPedia Tabula Muris, FACS Comment rs7079 Renal dysplasia mesendhymal stem cell of the adipose These cells can be involved in kidney repair rs63751094 Lynch syndrome I Colon, hematopoietic stem cell Condition is associated with kidney repair rs6446693 nonsyndromic cleft lip/palate keratinocytes Malformation of facial region, skin likely relevant rs139643362 X-linked hereditary motor and sensory neuropathy Oligodendrocytes Dorsal root ganglion glia and Schwann cells identified in the mouse brain chuse brain cells identified in the mouse brain discesses, so the results are relevant rs13031237 Rheumatoid arthritis T, NK cells Autoimmune disease, so the results are relevant Best matches of the TM, FACS dataset from queries generated by sample cliseases names/MeSH/OMIM IDs Comment Query MeSH-D018754 Ventricular dysfunction Tabula Muris, FACS Comment Ventricular dysfunction Stomal cells, mesenchymal cells Good Osteoporotic bone fracture MeSH-D050723 Bone fractures Stomal cells, stromal cells Good Legionalia MeSH-D0007877 Legionnaires' Disease Pneumocyte Very good	PubMed Phrase		Human: 70858, Mouse: 6	7229	Human:	78989	96, Mouse: 750844	
rs7079 Renal dysplasia	Best matches of the TM, FACS dataset from queries generated by sample variants from the index created from PubTator							
r863751094 Lynch syndrome Colon, hematopoietic stem cell Condition is associated with high risk of colon cancer Colon, hematopoietic stem cell Condition is associated with high risk of colon cancer r86446693 nonsyndromic cleft lip/palate keratinocytes Maiformation of facial region, skin likely relevant skin likely relevant Schwann cells identified in the mouse brain cell atlas. r8139643362 X-linked hereditary motor and sensory Oligodendrocytes Dorsal root ganglion glia and Schwann cells identified in the mouse brain cell atlas. r813031237 Rheumatoid arthritis T, NK cells Autoimmune disease, so the results are relevant Rest matches of the TM, FACS dataset from queries generated by sample diseases names/MeSH/OMINI IDS Query MeSH/OMINI ID MeSH name Tabula Muris, FACS Comment Ventricular ependymomas MeSH-D018754 Ventricular dysfunction Cardiac muscle cells, heart endothelial cells Very good Selegoprotic bone fracture MeSH-D050723 Bone fractures Stromal cells Stromal cells Good Wyodystrophies MeSH-D009136 Muscular dystrophies Muscle cells, stromal cells Good Autoimmune demyelinating MeSH-D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDS Query MeSH-D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDS Query MeSH-D003887 Pancreas cells Comment MeSH-D008887 Pancreas cells Comment MeSH-D008888 Pancreas cells Comment MeSH-D008887 Pancreas cells Comment Very good, used for treatment of diabetes Query MeSH-D008887 Pancreas cells Comment MeSH-D008888 Pancreas cells Comment MeSH-D008888 Pancreas cells Comment MeSH-D0088890 Pancreas cells Comment MeSH-D008890 Pancreas cells C	Variant	SNPedia		Tabula Mur	ris, FACS	Cor	mment	
r863/51/1944 Lynon syndromic cleft lip/palate	rs7079	Renal dysplasia			mal stem cell of the			
rs139643362 X-linked hereditary motor and sensory neuropathy who motor and sensory neuropathy profiled in the mouse brain cell atlas. T, NK cells Autoimmune disease, so the results are relevant results are relevant profiled in the mouse brain cell atlas. T, NK cells Autoimmune disease, so the results are relevant profiled in the mouse brain cell atlas. T, NK cells Autoimmune disease, so the results are relevant profiled in the mouse brain and sensory profiled in the mouse brain and sensory profiled in the mouse brain and sensory profiled in the mouse brain atlas and their corresponding IDs. Outery MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells and stem cells Good Legionella infection MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells and stem cells Good Autoimmune demyelinating disease Pneumocyte Very good MeSH:D003711 Demyelinating Disease Oligodendrocytes Confirmed by mouse brain atlas disease Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs. Query MeSH:C009250 Heart cells Comment MeSH:D008687 Pancreas cells Comment Wesquare endothellal MeSH:D042461 Endothelial cells Induces endothelial cell growth proliferation MeSH:D042461 Endothelial cells Inmammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons pressive agent at the profile	rs63751094	Lynch syndrome I	Lynch syndrome I		Colon, hematopoietic stem cell			
Restriction	rs6446693	nonsyndromic cleft	nonsyndromic cleft lip/palate		keratinocytes		9 .	
Best matches of the TM, FACS dataset from queries generated by sample diseases names/MeSH/OMIM IDs Query MeSH/OMIM ID MeSH name Tabula Muris, FACS Comment Ventricular ependymomas MeSH:D018754 Ventricular dysfunction Cardiac muscle cells, heart endothelial cells mesenchymal stem cells mesenchymal stem cells mesenchymal stem cells stem cells Good Myodystrophies MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells Good Legionella infection MeSH:D007877 Legionnaires' Disease Pneumocyte Very good Autoimmune demyelinating disease Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain attas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:D008687 Pancreas cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth proliferation MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain allas picks out Drg neurons	rs139643362	•	•		Oligodendrocytes		Schwann cells identified in the	
Query MeSH/OMIM ID MeSH name Tabula Muris, FACS Comment Ventricular ependymomas MeSH:D018754 Ventricular dysfunction Cardiac muscle cells, heart endothelial cells Very good Osteoporotic bone fracture MeSH:D050723 Bone fractures Stromal cells, mesenchymal stem cells Good Myodystrophies MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells Good Legionella infection MeSH:D007877 Legionnaires' Disease Pneumocyte Very good Autoimmune demyelinating disease MeSH:D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:C008467 Pancreas cells Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D0042461 Endothelial cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons	rs13031237	Rheumatoid arthriti	S	T, NK cells			•	
Ventricular ependymomas MeSH:D018754 Ventricular dysfunction Cardiac muscle cells, heart endothelial cells Very good Osteoporotic bone fracture MeSH:D050723 Bone fractures Stromal cells, mesenchymal stem cells Good Myodystrophies MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells Good Legionella infection MeSH:D007877 Legionnaires' Disease Pneumocyte Very good Autoimmune demyelinating disease MeSH:D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:CO09250 Tabula Muris, FACS Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D003520 T cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons	Best matches of the TM, FACS dataset from queries generated by sample diseases names/MeSH/OMIM IDs							
ependymomas	Query	MeSH/OMIM ID	MeSH name	Tabı	ula Muris, FACS		Comment	
fracture MeSH:D030723 Bone tractures stem cells Good Myodystrophies MeSH:D009136 Muscular dystrophies Muscle cells, stromal cells Good Legionella infection MeSH:D007877 Legionnaires' Disease Pneumocyte Very good Autoimmune demyelinating disease MeSH:D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:chem ID Tabula Muris, FACS Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D042461 Endothelial cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons		MeSH:D018754	Ventricular dysfunction		·		Very good	
Legionella infection MeSH:D007877 Legionnaires' Disease Pneumocyte Very good Autoimmune demyelinating disease MeSH:D003711 Demyelinating Diseases Oligodendrocytes Confirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH/chem ID Tabula Muris, FACS Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D042461 Endothelial cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons	•	MeSH:D050723	Rone tractures			/mal	Good	
Autoimmune demyelinating disease Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D003520 T cells Immunosuppressive agent Taken against migraines. Mouse brain atlas picks out Drg neurons	Myodystrophies	MeSH:D009136	Muscular dystrophies	Mus	scle cells, stromal ce	lls	Good	
demyelinating disease MeSH:D003711 Demyelinating Diseases Oligodendrocytes Contirmed by mouse brain atlas Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs Query MeSH/chem ID Tabula Muris, FACS Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D042461 Endothelial cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons		MeSH:D007877	Legionnaires' Disease	Pne	Pneumocyte		Very good	
Query MeSH/chem ID Tabula Muris, FACS Comment Metformin MESH:D008687 Pancreas cells Very good, used for treatment of diabetes Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D042461 Endothelial cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons	demyelinating	MeSH:D003711	Demyelinating Diseases	Olig	odendrocytes		•	
MetforminMESH:D008687Pancreas cellsVery good, used for treatment of diabetesSevofluraneMESH:C009250Heart cellsAnesthetic, many studies on the effect on heart rateVascular endothelial growth factor AMESH:D042461Endothelial cellsInduces endothelial cell growth proliferationCyclophosphamideMESH:D003520T cellsImmunosuppressive agentrizatriptanMESH:C093622Luminal cells in mammary glandTaken against migraines. Mouse brain atlas picks out Drg neurons	Best matches of the TM, FACS dataset from queries generated by sample chemical names and their corresponding IDs							
Sevoflurane MESH:C009250 Heart cells Anesthetic, many studies on the effect on heart rate Vascular endothelial growth factor A MESH:D042461 Endothelial cells Induces endothelial cell growth proliferation Cyclophosphamide MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons				s, FACS			nt	
Vascular endothelial growth factor A Cyclophosphamide MESH:D042461 Toells Endothelial cells Endothelial cells Induces endothelial cell growth proliferation Toells Immunosuppressive agent Taken against migraines. Mouse brain atlas picks out Drg neurons	Metformin	MESH:D00868	7 Pancreas co	ells		•		
growth factor A MESH:D042461 Endothelial cells proliferation Cyclophosphamide MESH:D003520 T cells Immunosuppressive agent rizatriptan MESH:C093622 Luminal cells in mammary gland Taken against migraines. Mouse brain atlas picks out Drg neurons	Sevoflurane	MESH:C00925	0 Heart cells					
rizatriptan MESH:C093622 Luminal cells in mammary gland brain atlas picks out Drg neurons		lial MESH:D042461 Endothelial		CEUS			G	
brain atlas picks out Drg neurons	Cyclophosphamide	MESH:D00352	0 T cells		Im	munos	suppressive agent	
Best matches of the TM, FACS dataset from queries generated by sample phrases from the dictionary from the PubMed	rizatriptan	MESH:C09362	MESH:C093622 Luminal cel		ie in mammary diand			
Phrase Optimized query Tabula Muris, FACS Comment								
Somatic cell gene therapy Ada, Ifnb1 Thymus T cells OK, many trials focus on immune disorders	G	Ada, Ifnb1	Thymus T cells		OK, many trials focus on immune disorders			
Dual anti platelet therapy F2, P2ry12 Liver cell types Therapy for prevention of liver infections	•	F2, P2ry12	ry12 Liver cell types Therapy for prevention of liver infections				iver infections	
Low calorie diet Igf1, Ins2 Pancreas, hepatocytes OK	Low calorie diet	lgf1, lns2	Pancreas, hepatocyto	es	OK			
Ester hydrolase Acat1, Ephx2 Liver cell types Good	Ester hydrolase	Acat1, Ephx2	Liver cell types		Good			
Hiv-infection patient Cd4,Cd8a T cells CD4/CD8 ratio is being used as preliminary indication of HIV infection	Hiv-infection patient	Cd4,Cd8a	T cells		·			