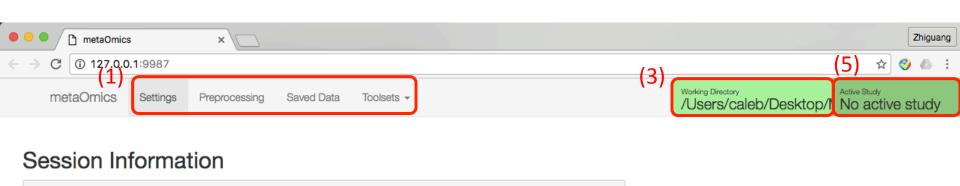
preprocessing

metaOmics tutorial figures



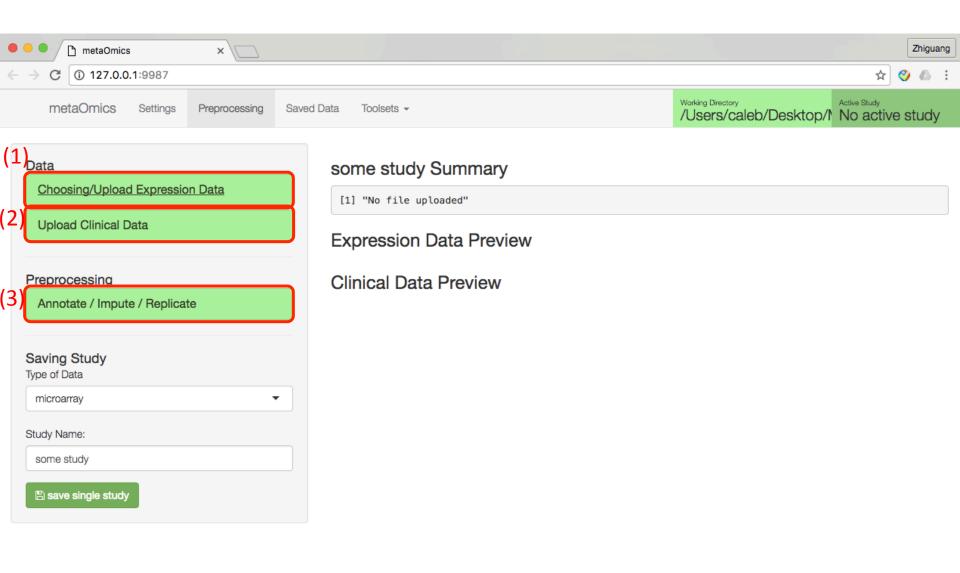
protocol: http: hostname: 127.0.0.1 port: 9987 server type: local

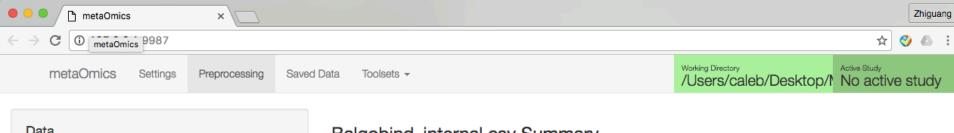
Meta PCA

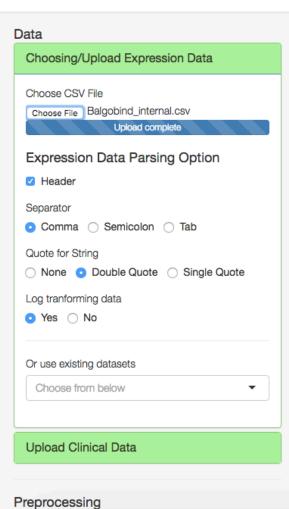
Meta KTSP

Directory for Saving Output Files: ? select a directory **Toolsets** Package Status Meta DE installed installed Meta Clust Meta Path Meta PATH is not installed: 🕹 install We are sorry, this pakage is currently not supported

We are sorry, this pakage is currently not supported







Balgobind_internal.csv Summary

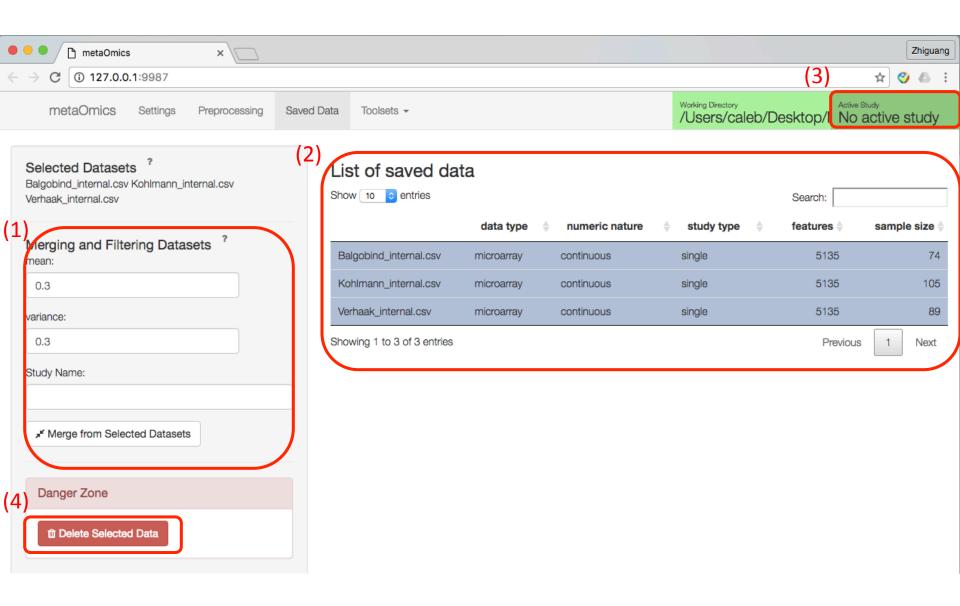
GSM445939		GSM445940	GSM445952	GSM445965	
	Min. :2.258	Min. :2.157	Min. :2.367	Min. :2.110	
	1st Qu.:2.761	1st Qu.:2.669	1st Qu.:2.808	1st Qu.:2.842	
	Median :2.890	Median :2.783	Median :2.929	Median :2.962	
	Mean :2.921	Mean :2.807	Mean :2.958	Mean :2.992	
	3rd Qu.:3.049	3rd Qu.:2.920	3rd Qu.:3.080	3rd Qu.:3.109	
	Max. :3.850	Max. :3.860	Max. :3.818	Max. :3.826	
	GSM445966	GSM445995	GSM446005	GSM446015	

Search:

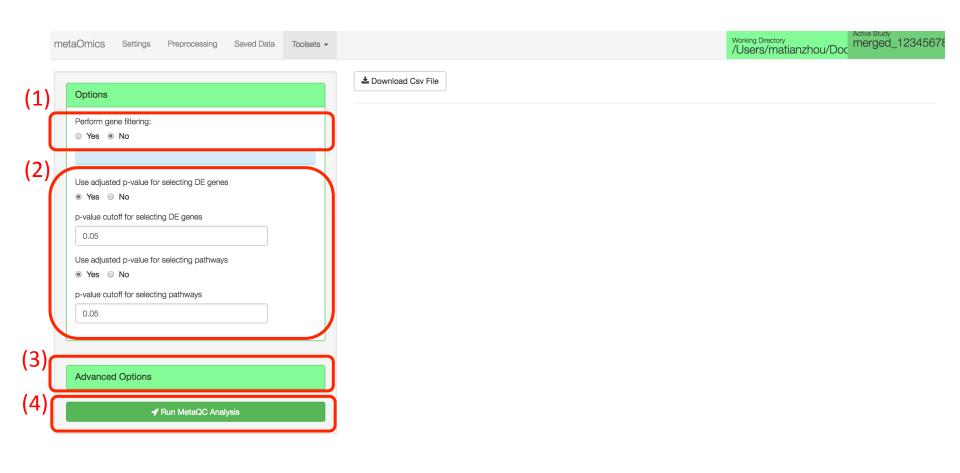
Expression Data Preview

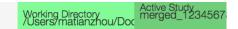
Show 10 entries

				ocaron.					
	GSM445939 	GSM445940 	GSM445952	GSM445965 	GSM445966 				
COX1	3.82519383224611	3.85987497010207	3.78847583019565	3.82584574935784	3.88549249642589	3.842			
COX2	3.79227705926325	3.8263442278892	3.74925555068105	3.77237792982363	3.85044260996059	3.797			
ND4	3.79079518125679	3.85655395569921	3.76141721328021	3.79510977041338	3.8653203034628	3.818			
RPL41	3.85018737983642	3.74937209426887	3.81799123492144	3.81809615068597	3.83722742706631	3.806			
RPS2	3.82155577003902	3.74133396216782	3.78754841145626	3.78967665724583	3.79670302562472	3.778			
RPL23A	3.805824265197	3.70683948384657	3.78740383496946	3.78295822557168	3.75561416064749	3.750			
TPT1	3.82797772961395	3.74940343986743	3.79632081017041	3.79829985958213	3.82778917271292	3.812			
RPL39	3.8210144805602	3.71178758656832	3.77534880813478	3.78886408642662	3.82482085619493	3.789			
ND2	3.56125898755002	3.82034719791393	3.62373629251127	3.73730911305576	3.81997541825845	3.795			



MetaQC





Show 10 \$ entries Search:

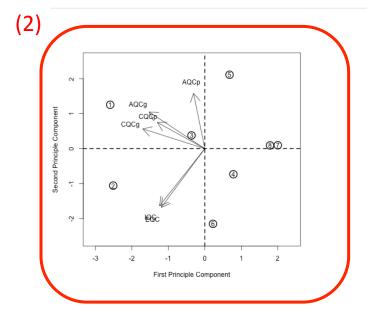
	IQC +	EQC +	AQCg	AQCp	CQCg	CQCp	SMR
study1.csv	4.62972117515165	4.42080140017298	28.7506408159351	19.6553215724074	168.178161321905	29.1728506116653	2
study2.csv	9.49476305430643	9.54232695746311	22.8328911582152	18.5608278598915	161.156270084427	5.90587620132403	2
study3.csv	3.54459359448249	3.53185328209592	23.7550333901066	12.5641055466726	90.629894007444	0	4.08333333333333
study4.csv	4.24828698811111	4.64040800688361	4.1114791659993	8.25400998207925	18.7230783709056	0	4.58333333333333
study5.csv	0.894687963415149	0.960893673815512	15.2051724608639	64.5423701027504	45.0875412933291	0	4.75
study6.csv	8.16660524920825	8.34978165196621	0.00323872133424415	5.62346862034754	0.0000724622147555651	0	5.08333333333333
study7.csv	0.813497306130717	0.48153373919226	0	0	0.389817980078202	0	7.41666666666667
study8.csv	0.936649618643111	1.27979174672063	0.739905960624053	4.14217226240963	8.02899021611631	0	6.08333333333333

Showing 1 to 8 of 8 entries

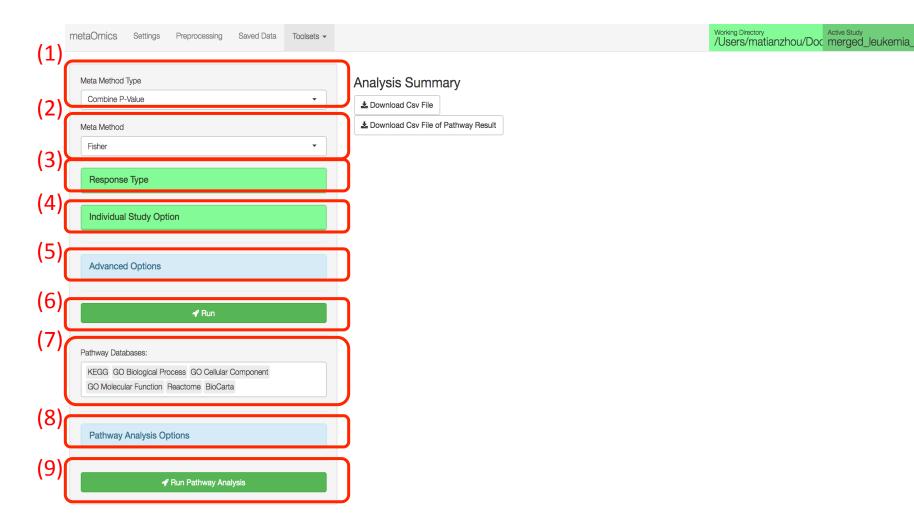
♣ Download Csv File

Previous

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MetaDE



FDR Cutoff

0.000000001

476 genes left after cut off

0.5 1.2 1.9 2.6 3.3 4

✓ Plot DE Genes Heatmap

Search:

Internal dev

Analysis Summary

(1)

Language Show 10 ♦ entries

ind.stat.leukemia1.csv ind.stat.leukemia2.csv ind.stat.leukemia3.csv ind.p.leukemia1.csv ind.p.leukemia2.csv ind.p.leukemia3.csv stat XIST 1.75894517870996 1.57341698663743 0.0621319973857489 0.0465466256513682 0.0962121687544035 0.480139337084587 12.2843582663452 RPS4Y1 -1.43080240329004 -0.0324220964001872 0.0749967751149047 0.0362759662985079 0.601813317409207 12.8294359860048 -1.37073434139571 3.84677403324962e-**VCAN** -5.36061923204762 -3.92302844692982 -0.452776646196597 2.31027467700219e-29 7.34328056595729e-22 290.97928809875 14 7.12138710617884e-6.64233621441893e-16 STAB1 2.65390600821645 4.10091167397856 0.230107822617278 9.86047301212157e-20 287.045861276912 29 1.03694874505757e-**AREG** 0.00000223014939911103 146.360184387848 -3.04807348087879 -0.250165669520792 7.1482301506152e-10 -4.78541000735867 17 HLA--2.33227273313853 -0.735722949436647 -0.392207119772102 0.000725219996012073 0.0546692216680428 2.50856662961504e-10 64.4832586265324 DRB4 1.75916492696931e-S100A12 -4.31591811888744 1.60546633800265e-21 1.73394041388372e-9 194.845017987147 -3.56116977637037 -0.237606239566241 13 1.26271973633199e-CTSG 4.0219313879697 2.8727325801306 0.266604868457814 6.54055486019511e-13 1.17728497209957e-12 170.447465397976

♣ Download Csv File of Pathway Result

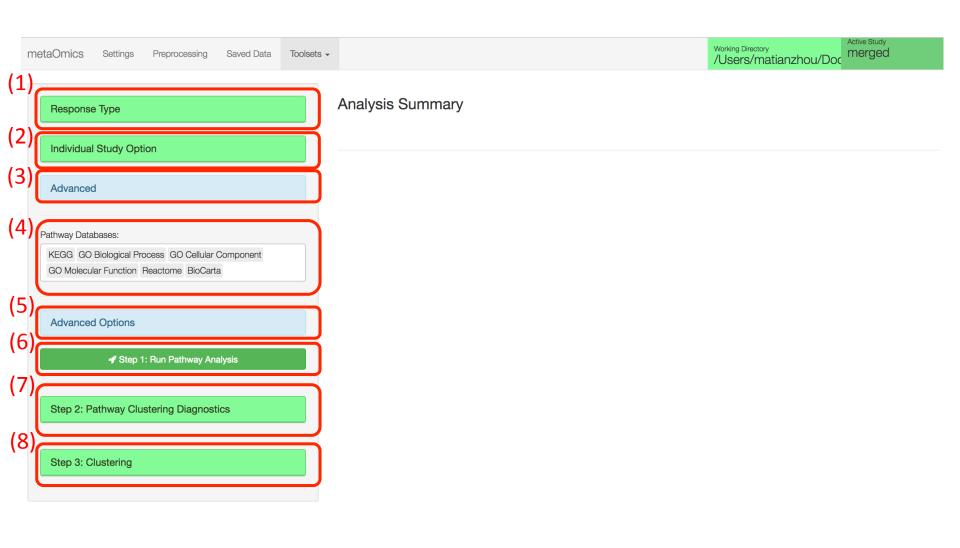
Show 10 \$ entries

(3)

Search:

pvalue 🔷 qvalue KEGG Glycolysis / Gluconeogenesis 0.802757387123335 0.999995330023358 KEGG Citrate cycle (TCA cycle) 0.803334097527091 0.999995330023358 KEGG Pentose phosphate pathway 0.154769551640228 0.848505112559124 KEGG Pentose and glucuronate interconversions 0.416541246542213 0.999995330023358 KEGG Fructose and mannose metabolism 0.830677498437588 0.999995330023358 KEGG Galactose metabolism 0.0255936536718409 0.598893684244145 KEGG Ascorbate and aldarate metabolism 0.922240213199199 0.999995330023358 KEGG Fatty acid metabolism 0.80965895400645 0.999995330023358 KEGG Steroid biosynthesis 0.391621817077732 0.998221132687578 KEGG Primary bile acid biosynthesis 0.396360007151662 0.998221132687578 Showing 1 to 10 of 1,901 entries Previous 2 191 Next

MetaPath

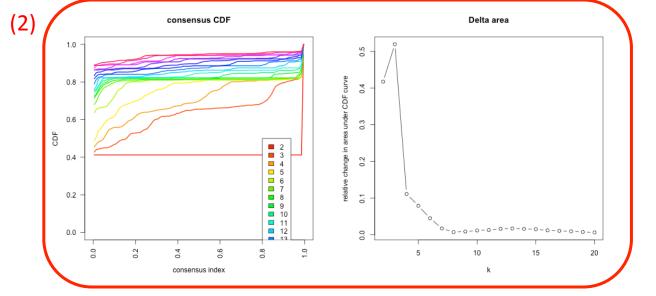


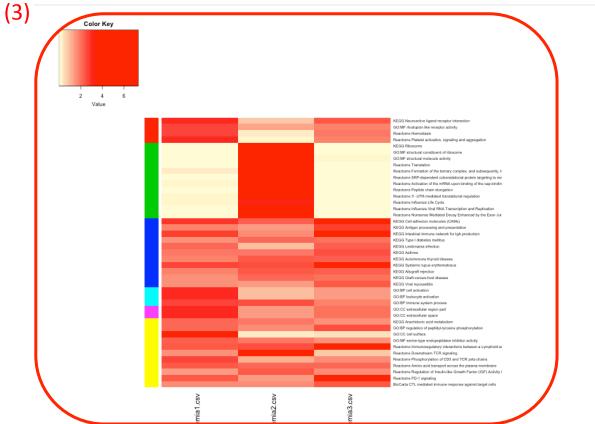
Analysis Summary

(1)

Show 10 \$ entries Search:

p_value_meta | leukemia1.csv | leukemia2.csv | leukemia3.csv KEGG Glycolysis / Gluconeogenesis 0.999997344007533 0.742702273327691 0.365812198422891 0.630811182760298 0.83066172560152 KEGG Citrate cycle (TCA cycle) 0.999997344007533 0.287274297784932 0.102583720153995 0.968778328449648 0.84506657539453 KEGG Pentose phosphate pathway 0.158102461624005 0.999997344007533 0.255579356462519 0.112084202050741 0.848695951159788 KEGG Pentose and glucuronate 0.999997344007533 0.350457149547908 0.565391468440809 0.130584580056393 0.474391991314713 interconversions KEGG Fructose and mannose 0.999997344007533 0.816249181501483 0.969060893236398 0.433318456990639 0.497791781474735 metabolism KEGG Galactose metabolism 0.0479116594906807 0.033663660016924 0.552460821338628 0.677819988918544 0.0548424200492012 KEGG Ascorbate and aldarate 0.999997344007533 0.923957276303375 0.575390597923188 0.840021678292876 0.880497604349819 metabolism KEGG Fatty acid metabolism 0.999997344007533 0.800399377995137 0.528384935493589 0.809952362991652 0.417356029535636 KEGG Steroid biosynthesis 0.470352276256348 0.514711313510736 0.345766475371192 0.999997344007533 0.18949789554244 EGG Primary bile acid biosynthesis 0.999997344007533 0.954579830451634 0.697154525601612 0.644375166133531 0.987501243892513 Showing 1 to 10 of 1,825 entries 2 183 Previous Next





(4)

	4	Α	В	С	D	Е	F	G	Н		J	K		M	N	0	P	
		ID	Term	NumGeneTotalInSet	Study_p-value	Study_p-value	Study_p-value											
	2	Cluster 1																
/ _	_	Key words		platelet activation	coupled recepto			adhesion	ADP	aggregation		cascade	cleavage	fibrinogen	platelet	thromboxan		
	4	q_value	0.0011988	0.001198801	0.001198801	0.001198801	0.001198801	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	0.0011988	
	_	count	2	2	_	2	2	2	2	2	2	2	2	. 2	2	2	2	
		KEGG Neuroactive liga				0.165623281	0.004705548											
	7	GO:MF rhodopsin like	receptor act	135		0.057090475	0.016814203											
	8	Reactome Hemostasis	i	466		0.455069786	0.013257929											
	9	Reactome Platelet act	ivation, signa	208	0.00099527	0.645386771	0.016801587											
	10																	
1	11	Cluster 2																
1	12	Key words	mRNA	RNA	initiation	polypeptide	subunit	template	structural in	t translation i	translation ir	nascent poly	peptide	elongation	ribosome	synthesis	occurs	
1	13	q_value	0.0011239	0.001123876	0.001123876	0.001123876	0.001123876	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	0.00112388	
1	14	count	5	3		3	3	3	2	2	2	2	2	. 2	2	2	2	
1	15	KEGG Ribosome		88	0.921335968	1.22E-06	0.91118369											
1	16	GO:MF structural cons	stituent of rik	80	0.912643351	4.79E-08	0.816680675											
1	17	GO:MF structural mol	ecule activity	244	0.784928345	2.74E-05	0.623950541											
1	18	Reactome Translation		222	0.879174023	2.48E-05	0.808403848											
1		Reactome Formation			0000	2.32E-05	0.96709482											
2		Reactome SRP-depend		179	0.852923945	1.57E-06	0.817211067											
2		Reactome Activation of		84		0.000118894	0.955314989											
2		Reactome Peptide cha			0.867879263	7.76E-08	0.922028213											
2	23	Reactome 3' -UTR-me	diated transl	176	0.713811611	1.86E-07	0.958396231											
2		Reactome Influenza Li	,	203	0.725052637	0.000509546	0.97961918											
2	25	Reactome Influenza V	iral RNA Tran	169	0.831490623	8.03E-07	0.877061392											
2	26	Reactome Nonsense N	Mediated Dec	176	0.849690552	5.83E-08	0.900043304											
2	27																	

MetaClust

