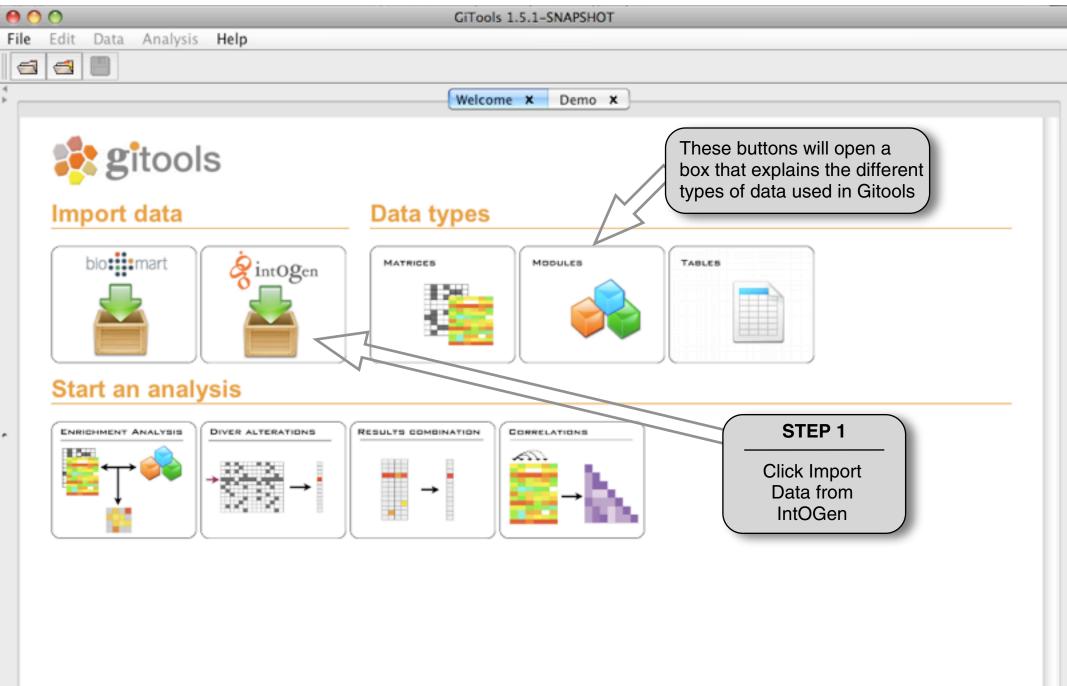


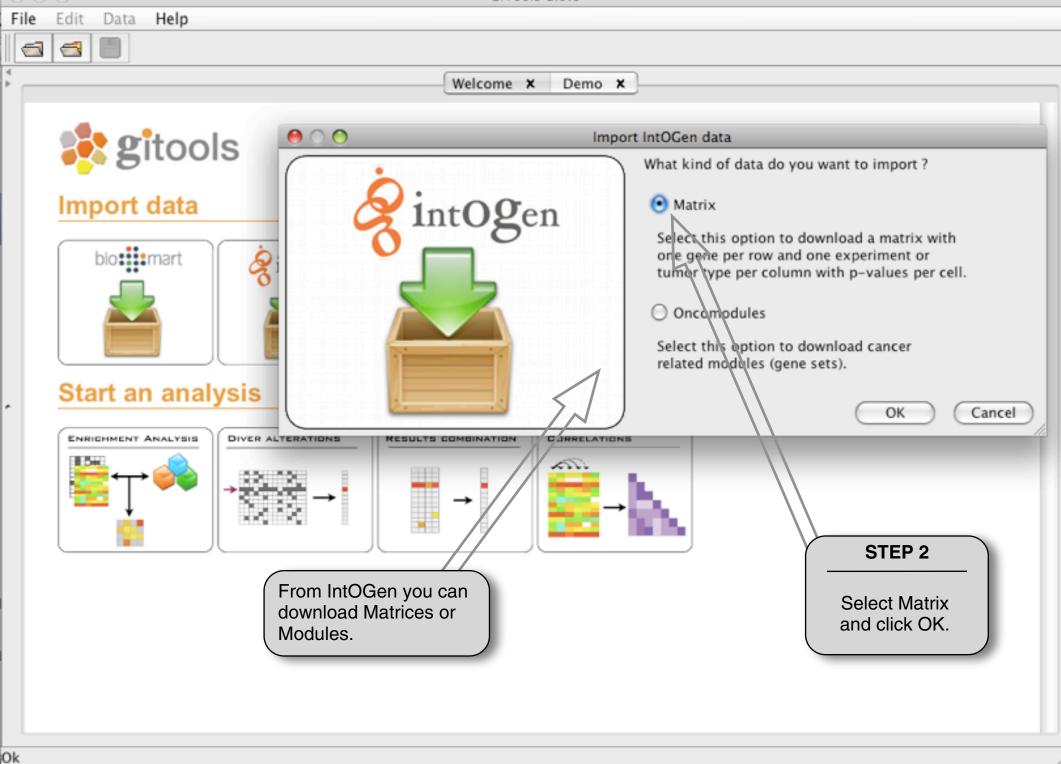


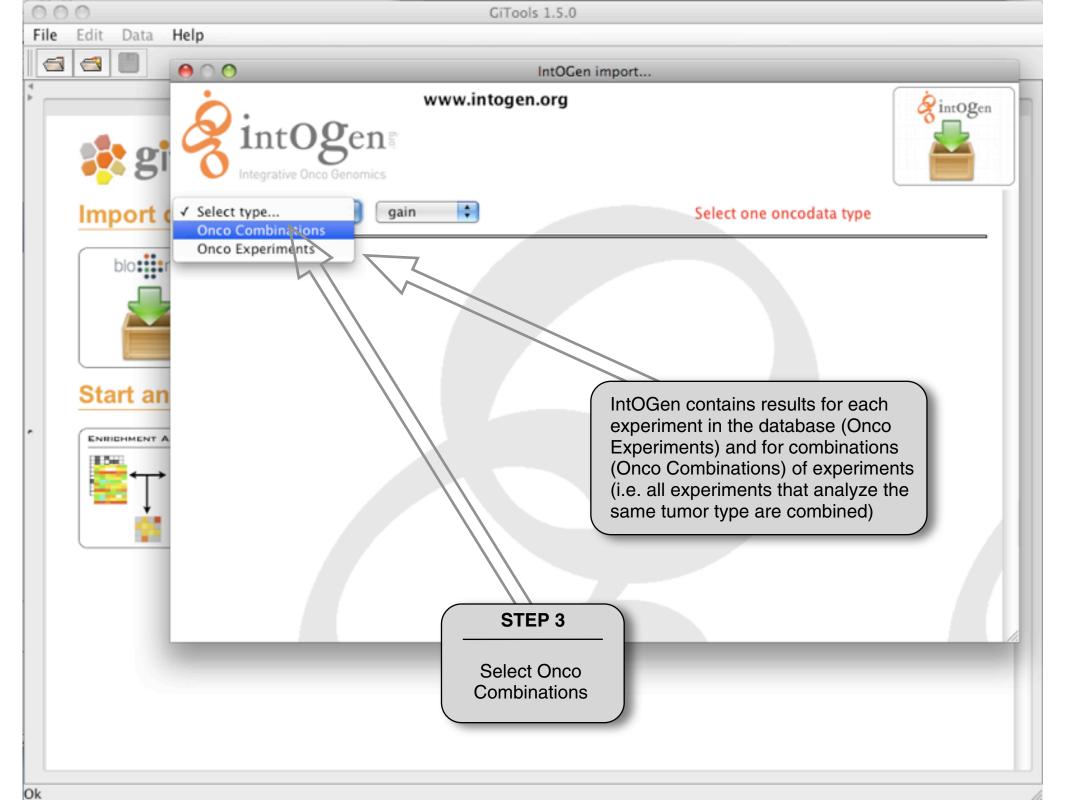
Tutorial 1.1: Import Data Matrix From IntOGen

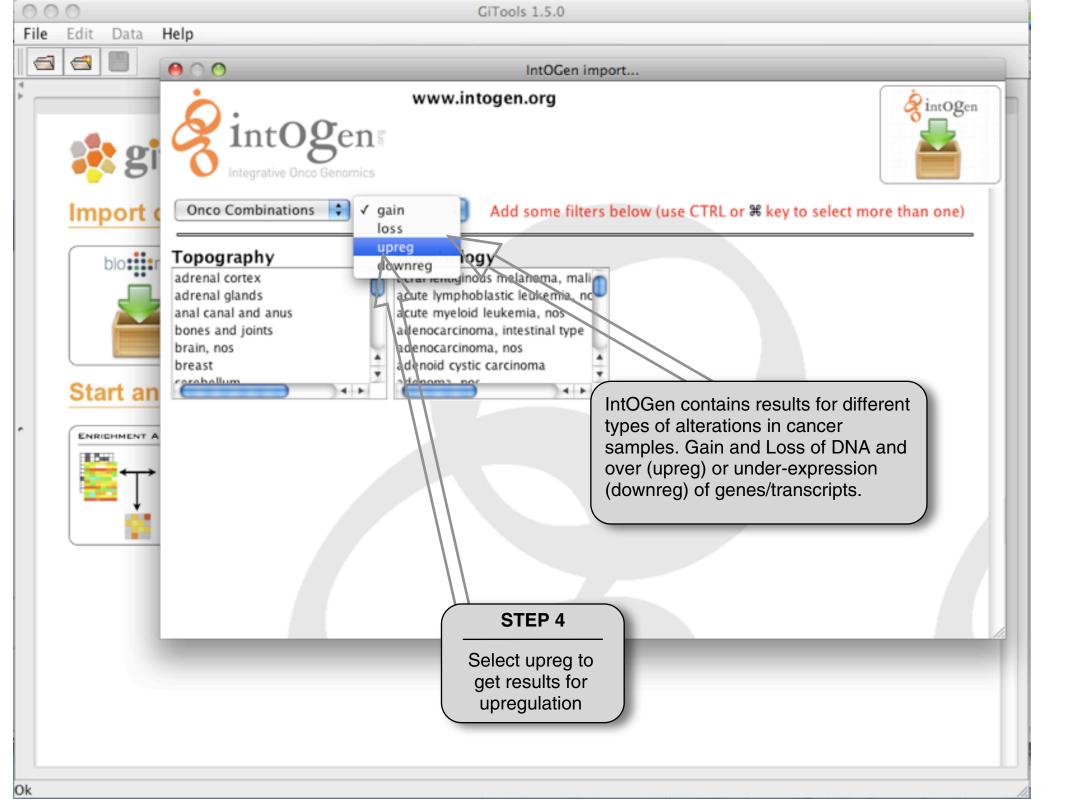
Import a data matrix from IntOGen that contains p-values for significantly upregulated genes in each tumor morphology type

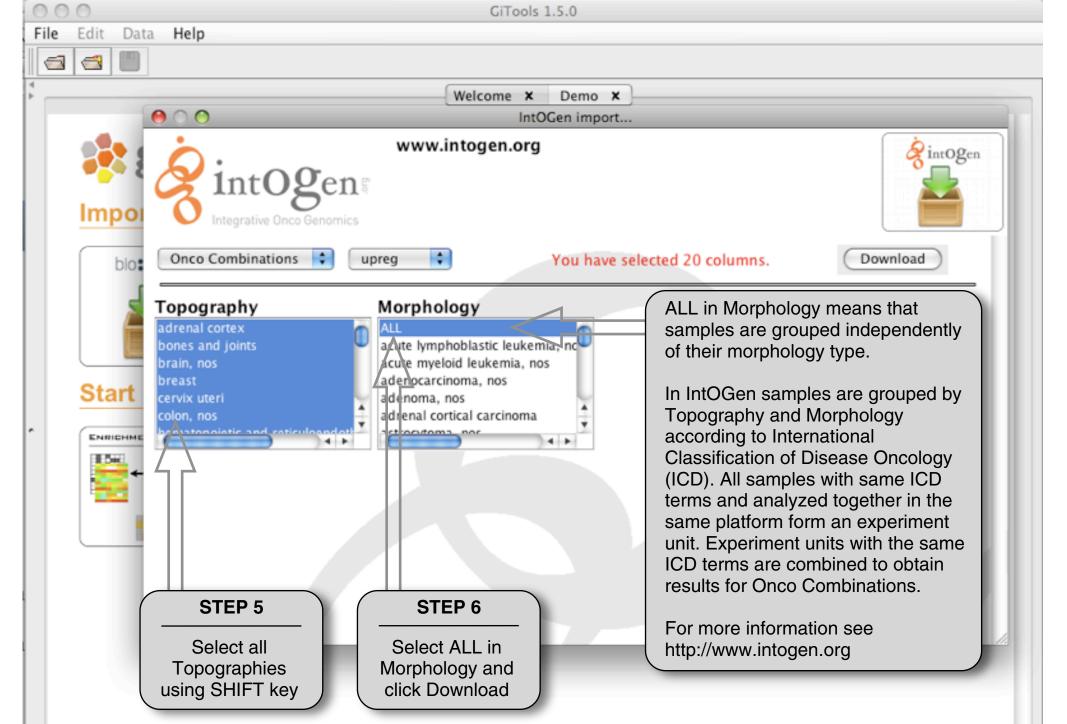


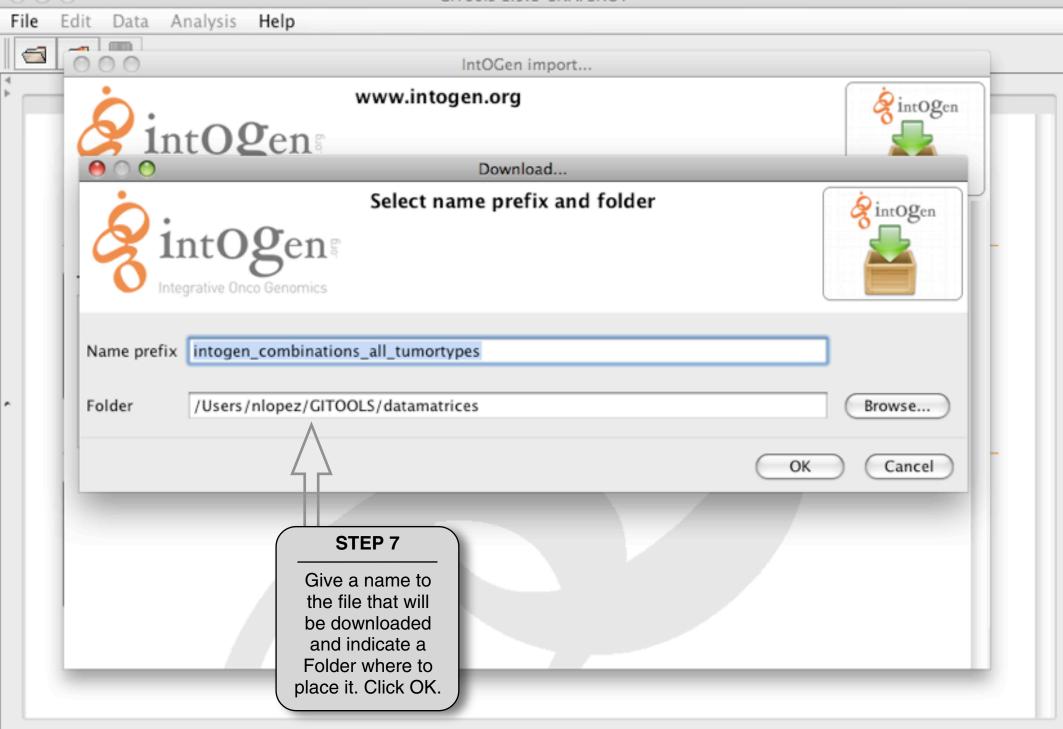
n.











▼ adatamatrices

ENSG00000002746

30 ENSG00000002822

intogen_combinations_all_tumortypes.cdm.gz intogen_combinations_all_tumortypes_row_annotations.tsv intogen_combinations_all_tumortypes_column_annotations.tsv

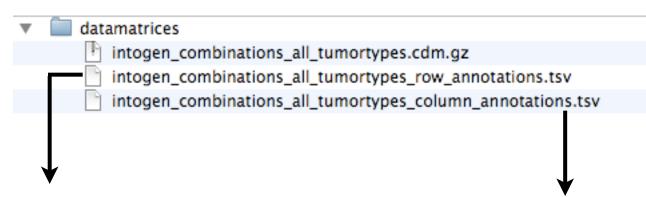
0.999999

Once the download has been completed you will have three new files in the directory that you indicated.

\Diamond	Α	В	С	D	E	F	G	Н	1	J
1		110-4	118-4	120-4	131-4	140-4	145-4	160-4	168-4	172-4
2	ENSG00000000003	0.01269054	1	0.40276613	0.94055216	1	1	0.999999	1	5.64E-11
3	ENSG00000000005	-	0.999999	1	1	1	1	0.99998161	1	
1	ENSG00000000419	1	0.94613856	0.98268852	1	1	1	0.999999	1	
	ENSG00000000457	1	0.999999	1	1	1	1	0.99998469	1	
5	ENSG00000000460	0.999999	1	0.00012587	0.9999986	0.9998687	0.9999997	0.61551355	0.99776226	0.9611954
7	ENSG00000000938	0.96289456	1	0.9999926	0.99998991	1	0.99864867	1	1	0.981780
3	ENSG00000000971	1	1	3.33E-16	0.91307589	1	0	0.99642733	1	0.0001206
)	ENSG00000001036	-	-	6.16E-05	5.91E-05	1	1	1	1	0.99999
0	ENSG00000001084	0.99957262	0.00011951	1	0.99999992	1	0.999999	1	1	
1	ENSG00000001167	1	1	1	1	0.99920007	0.9999997	1	1	0.9611954
2	ENSG00000001460	-	-	0.999999	0.999999	1	1	-	1	0.99999
3	ENSG00000001461	1	1	1	1	1	1	0.95000265	0.99999993	
4	ENSG00000001497	1	1	1	1	1	1	1	0.99999698	
5	ENSG00000001561	0.999999	1	0.4386625	0.99999742	1	1	0.999999	1	
6	ENSG00000001617	0.999999	1	1	1	0.95858806	0.47434021	0.047148	1	0.9998113
7	ENSG00000001626	1.00E-06	1	0.73280025	1	1	0.46039017	0.90212403	0.93020477	
8	ENSG00000001629	0.999999	-	0.00072387	0.999999	1	0.99924487	0.999999	1	0.99999
9	ENSG00000001630	1	1	1	0.99999567	1	1	0.99997859	0.43544254	0.999985
0	ENSG00000001631	1	0.98756234	1	1	1	1	0.999999	0.88148552	
1	ENSG00000002016	0.59272721	1	1	1	7	0.98876601	0.5461895	1	0.9611954
2	ENSG00000002079	-	-	0.999999	0.999999	1	1	-	-	0.99999
3	ENSG00000002330	1	0.999999	1	1	\sqrt{1}	1	1	1	
4	ENSG00000002549	0.71507907	0.999999	0.04193981	0.00037975	1		•	•	0.0000052
5	ENSG00000002586	0.999999	1	0.99999998	1	0.94841068	The	مختم طائنين ما	naian ad aa	oontoins '
6	ENSG00000002587	1	1	0.92965581	0.99950351	1			nsion cdm	
7	ENSG00000002726	1	1	0.99999266	1	1	a Con	tinuos Data	Matrix with	one

0.99992542

The file with extension cdm contains a Continuos Data Matrix with one row per gene and one column per tumor type. The values in each cell are corrected p-values that indicate if the gene is significantly up-regulated in this tumor type.



🥚 🕚 🖰 i	ntogen.	combina	ations.a	II.tumortypes.row.annotations.tsv
id symbol	chromoso	ome	band	
ENSG000000000003	TSPAN6	X	q22.1	
ENSG000000000005	TNMD	X	q22.1	
ENSG000000000419	DPM1	20	q13.13	
ENSG000000000457	SCYL3	1	q24.2	
ENSG000000000460	C1orf112	2	1	q24.2
ENSG000000000938	FGR	1	p36.11	
ENSG000000000971	CFH	1	q31.3	
ENSG00000001036	FUCA2	6	q24.2	
ENSG00000001084		6	p12.1	
ENSG000000001167		6	p21.1	
ENSG00000001460	C1orf20:	1	1	p36.11
ENSG00000001461	NIPAL3	1	p36.11	
ENSG00000001497		X	q12	
ENSG000000001561		6	p21.1	
ENSG000000001617	SEMA3F	3	p21.31	
ENSG000000001626		7	q31.2	
ENSG00000001629	ANKIB1	7	q21.2	
ENSG00000001630	CYP51A1	7	q21.2	
ENSG00000001631	KRIT1	7	q21.2	
ENSG000000002016	RAD52	12	p13.33	
ENSG000000002079			7	q22.1
ENSG000000002330		11	q13.1	
ENSG000000002549	LAP3	4	p15.32	
ENSG000000002586		X	p22.33	
ENSG000000002587		4	p15.33	
ENSG000000002726		7	q36.1	4
ENSG000000002745		7	q31.31	
ENSG000000002746	HECW1	7	p14.1	
ENSG0000000	MIDALA	7		
/ Th:	a fila i	tob	طانييرما	\ +b a

This file is a table with the annotations of rows. For each gene ensembl id it indicates the corresponding gene symbol, chromosome and cytogenetic band.

• •	o intogen.	combinations.all.tumortypes.column.annotations.tsv
id	topography	morphology
110-4	testis ALL	
118-4	mouth, nos	ALL
120-4	cervix uteri	ALL
131-4	hematopoietic a	nd reticuloendothelial systems ALL
140-4	breast ALL	
145-4	kidney ALL	
160-4	thyroid gland	ALL
168-4	prostate gland	ALL
172-4	brain, nos	ALL
18-4	adrenal cortex	ALL
188-4	bones and joint	s ALL
189-4	pancreas	ALL
201-4	liver ALL	
202-4	ovary ALL	
42-4	lung ALL	
44_4	skin ALL	
49-4	lymph nodes	ALL
85–4	colon, nos	ALL
9–4	urinary bladder	· ALL
94-4	stomach ALL	



This file is a table with the annotations of columns. For each tumor type id it indicates the corresponding topography and morphology.



THANKS FOR USING GITOOLS

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