

Online resource 3

Differential effects of basolateral and apical iron supply on iron transport in Caco-2 cells

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Outputs of functional annotation enrichment analysis performed with the DAVID Bioinformatic Resources 6.7

(A) Comparison of basolateral holo-Tf treatment versus control

Category	Term	Count	%	P Value	List Total	Pop Hits	Pop Total	Fold Enrichment	FDR
SP_PIR_KEYWORDS	phosphoprotein	275	47.83	6.95E-08	565	7263	19235	1.29	9.88E-05
GOTERM_BP_FAT	GO:0046486~glycerolipid metabolic process	19	3.30	2.49E-06	417	162	13528	3.80	0.004348
GOTERM_BP_FAT	GO:0008610~lipid biosynthetic process	26	4.52	2.21E-05	417	323	13528	2.61	0.038609
GOTERM_BP_FAT	GO:0006641~triglyceride metabolic process	9	1.57	4.21E-05	417	43	13528	6.79	0.07355
GOTERM_BP_FAT	GO:0006644~phospholipid metabolic process	18	3.13	8.00E-05	417	190	13528	3.07	0.139633
SP_PIR_KEYWORDS	disease mutation	74	12.87	8.41E-05	565	1591	19235	1.58	0.119619
GOTERM_BP_FAT	GO:0006639~acylglycerol metabolic process	9	1.57	1.12E-04	417	49	13528	5.96	0.194572
GOTERM_BP_FAT	GO:0006638~neutral lipid metabolic process	9	1.57	1.29E-04	417	50	13528	5.84	0.225467

(B) Comparison of apical ferric nitrilotriacetate treatment versus control

Category	Term	Count	%	P Value	List Total	Pop Hits	Pop Total	Fold Enrichment	FDR
SP_PIR_KEYWORDS	phosphoprotein	213	51.0	2.69E-09	409	7263	19235	1.379216	3.69E-06
GOTERM_CC_FAT	GO:0043233~organelle lumen	70	16.7	1.52E-07	263	1820	12782	1.86926	2.04E-04
GOTERM_CC_FAT	GO:0070013~intracellular organelle lumen	68	16.3	3.16E-07	263	1779	12782	1.857702	4.24E-04
GOTERM_CC_FAT	GO:0031974~membrane-enclosed lumen	70	16.7	3.23E-07	263	1856	12782	1.833003	4.34E-04
GOTERM_CC_FAT	GO:0044451~nucleoplasm part	31	7.4	1.17E-06	263	555	12782	2.714637	0.00157
GOTERM_CC_FAT	GO:0031981~nuclear lumen	57	13.6	1.81E-06	263	1450	12782	1.910513	0.002427
GOTERM_CC_FAT	GO:0016604~nuclear body	15	3.6	9.20E-06	263	168	12782	4.339354	0.012356
SP_PIR_KEYWORDS	acetylation	88	21.1	1.34E-05	409	2635	19235	1.570619	0.018417
GOTERM_CC_FAT	GO:0005654~nucleoplasm	38	9.1	2.40E-05	263	882	12782	2.09391	0.032218
GOTERM_CC_FAT	GO:0016607~nuclear speck	11	2.6	4.87E-05	263	103	12782	5.190372	0.06545
SP_PIR_KEYWORDS	nucleus	124	29.7	1.14E-04	409	4283	19235	1.361578	0.156603