

Table 1: HTR8/SVneo Spheres untreated vs treated up-regulated pathways								
Enrichment by Pathway Maps				HTR8/SVneo UP				
#	Maps	Total	pValue	Min FDR	p-value	FDR	In Data	Network Objects from Active Data
1	Transport_ The role of AVP in regulation of Aquaporin 2 and renal water	50	3.748E-04	6.372E-03	3.748E-04	6.372E-03	2	MyHC, MYH9
2	Cytoskeleton remodeling_ Regulation of actin cytoskeleton by Rho GTPases	23	1.395E-02	4.918E-02	1.395E-02	4.918E-02	1	MyHC
3	Cell cycle_ Initiation of mitosis	26	1.576E-02	4.918E-02	1.576E-02	4.918E-02	1	Lamin B
4	Cytoskeleton remodeling_ Thyroiberin in cytoskeleton remodeling	33	1.996E-02	4.918E-02	1.996E-02	4.918E-02	1	Keratin 8
5	Apoptosis and survival_ Caspase cascade	34	2.056E-02	4.918E-02	2.056E-02	4.918E-02	1	Lamin B
6	Cytoskeleton remodeling_ Keratin filaments	36	2.176E-02	4.918E-02	2.176E-02	4.918E-02	1	Keratin 8
7	Development_ MAG-dependent inhibition of neurite outgrowth	37	2.236E-02	4.918E-02	2.236E-02	4.918E-02	1	MyHC
8	Apoptosis and survival_ FAS signaling cascades	44	2.654E-02	4.918E-02	2.654E-02	4.918E-02	1	Lamin B
9	wtCFTR and deltaF508 traffic / Membrane expression (normal and CF)	47	2.833E-02	4.918E-02	2.833E-02	4.918E-02	1	Keratin 8
10	Cell adhesion_ Integrin-mediated cell adhesion and migration	48	2.893E-02	4.918E-02	2.893E-02	4.918E-02	1	MyHC
11	Airway smooth muscle contraction in asthma	56	3.368E-02	5.205E-02	3.368E-02	5.205E-02	1	MyHC
12	N-Glycan biosynthesis p1	72	4.313E-02	5.593E-02	4.313E-02	5.593E-02	1	RIB1
13	Blood coagulation_ Platelet microparticle generation	72	4.313E-02	5.593E-02	4.313E-02	5.593E-02	1	MyHC
14	Immune response_ CCR3 signaling in eosinophils	77	4.606E-02	5.593E-02	4.606E-02	5.593E-02	1	MyHC
15	Muscle contraction_ GPCRs in the regulation of smooth muscle tone	83	4.958E-02	5.619E-02	4.958E-02	5.619E-02	1	MyHC
16	Cytoskeleton remodeling_ Cytoskeleton remodeling	102	6.063E-02	6.121E-02	6.063E-02	6.121E-02	1	MyHC
17	Oxidative phosphorylation	103	6.121E-02	6.121E-02	6.121E-02	6.121E-02	1	COX Va