

S4 Table : Top 5 KEGG pathways (having BH<0.05) of shared CRHNA5 depleted transcriptome in MCF7 and A549 cell line.

Upregulated in both MCF7 and A549				
Term	Count	PValue	Benjamini	
hsa03060:Protein export	10	8.22E-06	2.16E-03	
hsa04141:Protein processing in endoplasmic	25	3.01E-04	3.89E-02	
Downregulated in both MCF7 and A549				
Term	Count	PValue	Benjamini	
hsa03030:DNA replication	28	1.51E-21	4.07E-19	
hsa04110:Cell cycle	51	2.03E-21	2.73E-19	
hsa03040:Spliceosome	49	3.03E-18	2.73E-16	
hsa03460:Fanconi anemia pathway	26	3.78E-13	2.55E-11	
hsa03440:Homologous recombination	18	2.58E-11	1.39E-09	
Upregulated in MCF7 and downregulated in A549				
Term	Count	PValue	Benjamini	
hsa05203:Viral carcinogenesis	30	6.13E-07	1.57E-04	
hsa05161:Hepatitis B	24	1.25E-06	1.60E-04	
hsa05160:Hepatitis C	21	1.43E-05	1.22E-03	
hsa05142:Chagas disease (American trypan	18	2.08E-05	1.33E-03	
hsa04917:Prolactin signaling pathway	14	5.86E-05	2.99E-03	
Downregulated in MCF7 and Upregulated in A549				
Term	Count	PValue	Benjamini	
hsa04931:Insulin resistance	18	2.49E-05	6.41E-03	