

Table 7. Top 10 REACTOME Pathways Enriched in Proteins Down-Regulated in Basolateral by DA Exposure

Pathway Name	No. of Proteins	No. of Proteins in Pathway	Pvalue	FDR	Proteins Identified
PTK6 promotes HIF1A stabilization	2	6	1.49E-04	4.54E-02	GPNMB; EGFR
Synthesis of IP2, IP, and Ins in the cytosol	2	11	4.97E-04	4.83E-02	IMPA2; INO1
Assembly of collagen fibrils and other multimeric structures	3	55	5.71E-04	4.83E-02	CO5A2; CO7A1; CO1A1
Collagen degradation	3	63	8.45E-04	4.83E-02	CO5A2; CO7A1; CO1A1
Anchoring fibril formation	2	15	9.18E-04	4.83E-02	CO7A1; CO1A1
Collagen biosynthesis and modifying enzymes	3	66	9.66E-04	4.83E-02	CO5A2; CO7A1; CO1A1
Integrin cell-surface interactions	3	86	2.06E-03	8.34E-02	CO5A2; CO7A1; CO1A1
Collagen formation	3	88	2.19E-03	8.34E-02	CO5A2; CO7A1; CO1A1
Syndecan interactions	2	27	2.91E-03	9.60E-02	CO5A2; CO1A1
Signaling by overexpressed wild-type EGFR in cancer	1	2	5.88E-03	1.59E-01	EGFR

Definition of abbreviations: DA, diacetyl; EGFR, epidermal growth factor receptor; FDR, false discovery rate; HIF1A, hypoxia inducible factor 1A; Ins, inositol; IP, inositol phosphate; PTK6, protein tyrosine kinase 6.