

Table 4. Top 10 REACTOME Pathways Enriched in Proteins Up-Regulated in Apical Secretome by DA Exposure

Pathway Name	No. of Proteins	No. of Proteins in Pathway	Pvalue	FDR	Proteins Identified
Degradation of the extracellular matrix	8	135	1.28E-07	5.43E-05	LAMC2; CADH1; LAMA3; MMP10; LAMB3; PGBM; MMP9; TIMP1
Extracellular matrix organization	10	291	4.37E-07	7.68E-05	LAMC2; CADH1; CEAM6; LAMA3; MMP10; LAMB3; PGBM; MMP9; TIMP1; TENA
Apoptosis	8	165	5.80E-07	7.68E-05	CADH1; PSA3; DSG2; CD14; PSB6; PSA7; PSB5; SPTN1
Programmed cell death	8	170	7.24E-07	7.68E-05	CADH1; PSA3; DSG2; CD14; PSB6; PSA7; PSB5; SPTN1
Cell-cell communication	7	139	2.48E-06	2.08E-04	LAMC2; CADH1; LAMA3; LAMB3; SPTB2; SPTN1; FLNA
Non-integrin membrane-ECM interactions	5	59	6.51E-06	4.56E-04	LAMC2; LAMA3; LAMB3; PGBM; TENA

Pathway Name	No. of Proteins	No. of Proteins in Pathway	Pvalue	FDR	Proteins Identified
Laminin interactions	4	30	1.01E-05	6.08E-04	LAMC2; LAMA3; LAMB3; PGBM
Type I hemidesmosome assembly	3	11	1.73E-05	9.15E-04	LAMC2; LAMA3; LAMB3
TCF-dependent signaling in response to WNT	7	198	2.44E-05	1.00E-03	PSA3; H2B1M; H4; PSB6; PSA7; DKK1; PSB5
Anchoring fibril formation	3	15	4.32E-05	1.00E-03	LAMC2; LAMA3; LAMB3
Cell junction organization	5	90	4.86E-05	1.00E-03	LAMC2; CADH1; LAMA3; LAMB3; FLNA

Definition of abbreviations: DA, diacetyl; ECM, extracellular matrix; FDR, false discovery rate; TCF, T-cell factor.