

Table 6. Top 10 REACTOME Pathways Enriched in Proteins Up-Regulated in Basolateral by DA Exposure

Pathway Name	No. of Proteins	No. of Proteins in Pathway	Pvalue	FDR	Proteins Identified
Platelet degranulation	7	105	7.24E-06	1.90E-03	ECM1; QSOX1; CAP1; TIMP1; APLP2; A4; TRFE
Response to elevated platelet cytosolic Ca ²⁺	7	110	9.77E-06	1.90E-03	ECM1; QSOX1; CAP1; TIMP1; APLP2; A4; TRFE
Activation of matrix metalloproteinases	4	32	6.98E-05	9.07E-03	TIMP2; MMP14; MMP9; TIMP1
Degradation of the extracellular matrix	6	135	3.06E-04	2.97E-02	CATB; TIMP2; CATD; MMP14; MMP9; TIMP1
Signaling by MST1	2	5	5.47E-04	4.27E-02	SPIT2; SPIT1
Extracellular matrix organization	8	291	7.46E-04	4.85E-02	CATB; TIMP2; CATD; MMP14; DDR1; MMP9; TIMP1; A4
Collagen degradation	4	63	8.97E-04	4.93E-02	CATB; CATD; MMP14; MMP9
Platelet activation, signaling, and aggregation	7	256	1.68E-03	8.05E-02	ECM1; QSOX1; CAP1; TIMP1; APLP2; A4; TRFE

Pathway Name	No. of Proteins	No. of Proteins in Pathway	Pvalue	FDR	Proteins Identified
Axon guidance	10	551	3.67E-03	1.58E-01	EPHA2; NEO1; PSB1; PSB6; CAP1; SPTB2; EFNB1; NRP1; MMP9; SEM7A
EPH-ephrin-mediated repulsion of cells	3	50	4.79E-03	1.87E-01	EPHA2; EFNB1; MMP9

Definition of abbreviations: DA, diacetyl; EPH, ephrin; FDR, false discovery rate; MST1, macrophage stimulating 1.