

Table S5 –Top 3 enriched pathways of the 3 miRNAs identified in GSE16558 by (A) functional annotation summary and (B) pathway ranking summary in miRSystem

(A) Functional annotation summary

Database	Item	Gene	Raw ^a	Empirical ^b
KEGG	PATHWAY_IN_CANCER	26	9.86*10 ⁻⁷	5.69*10 ⁻⁴
REACTOME	PLATELET_ACTIVATION_SIGNA LING_AND_AGGREGATION	17	4.22*10 ⁻⁵	6.76*10 ⁻⁴
PID	NOTCH_SIGNALING_PATHWAY	12	5.07*10 ⁻⁶	7.28*10 ⁻⁴

^a Raw *P*-values were obtained by a hypergeometric test.

^b Empirical *P*-values were compared with 1,000 random selections.

(B) Pathway ranking summary

Database	Item	Gene	Score ^a
REACTOME	AXON_GUIDANCE	61	9.108
REACTOME	DEVELOPMENTAL_BIOLOGY	81	7.156
REACTOME	LICAM_INTERACTIONS	27	6.500

^a Score was calculated based on the weighted pathway-ranking method described in “Methods”.