

Table S1. Integrin pathway is among significantly changed signaling pathways in SUM159 T β RIII-KD three-dimensional culture system

Gene Set Name	# Genes in Gene Set (K)	# Genes in Overlap (k)	p-value
REACTOME_CELL_JUNCTION_ORGANIZATION	78	8	7.67E-07
REACTOME_CELL_CELL_COMMUNICATION	120	9	2.24E-06
PID_INTEGRIN1_PATHWAY	66	7	3.03E-06
KEGG_CELL_ADHESION_MOLECULES_CAMS	134	8	4.31E-05
PID_INTEGRIN3_PATHWAY	43	5	5.20E-05
KEGG_FOCAL_ADHESION	201	9	1.35E-04
REACTOME_CELL_CELL_JUNCTION_ORGANIZATION	56	5	1.87E-04
PID_AVB3_INTEGRIN_PATHWAY	75	5	7.29E-04
REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS	79	5	9.23E-04
KEGG_ECM_RECEPTOR_INTERACTION	84	5	1.22E-03
REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION	87	5	1.42E-03
REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS	27	3	2.05E-03

Table S2. Integrin family members in SUM159 cells three-dimensional cultures with T β RIII-KD

Gene symbol	Adj. P value
<i>ITGA2</i>	0.00310994
<i>ITGB2</i>	0.00858093
<i>ITGA6</i>	0.07342169
<i>ITGB5</i>	0.18804443
<i>ITGB1</i>	0.2823499
<i>ITGA8</i>	0.35612028
<i>ITGA3</i>	0.39006295
<i>ITGA4</i>	0.49020532
<i>ITGB7</i>	0.50179171
<i>ITGA10</i>	0.50579062
<i>ITGB4</i>	0.56483922
<i>ITGA11</i>	0.65315048
<i>ITGB3</i>	0.69170401
<i>ITGB6</i>	0.70117658
<i>ITGA7</i>	0.74009154
<i>ITGAV</i>	0.78396341
<i>ITGA5</i>	0.78412514
<i>ITGB8</i>	0.94109833
<i>ITGA9</i>	0.95105451