

shRNA	Species	Sequence
ITGB1-1	Human	TGCTGTTGACAGTGAGCGCCAGATGAAAATAGATGTTAATAGTGAAGCCACAGATGTATTAACATCTATTTTCATCTGTTGCCTACTGCCTCGGA
ITGB1-2	Human	TGCTGTTGACAGTGAGCGCACCGAGCAATTTTCTGCTAAATAGTGAAGCCACAGATGTATTTAGCAGAAAATTGCTCGGTTTGCCTACTGCCTCGGA
ITGB1-3	Human	TGCTGTTGACAGTGAGCGCCCGAGCAATTTTCTGCTAAAATAGTGAAGCCACAGATGTATTTAGCAGAAAATTGCTCGGTTGCCTACTGCCTCGGA
ITGB1-4	Human	TGCTGTTGACAGTGAGCGACCGGTGAAAATCCTATTTATATAGTGAAGCCACAGATGTATATAAATAGGATTTTACCCGGCTGCCTACTGCCTCGGA
ITGB1-5	Human	TGCTGTTGACAGTGAGCGCTCCACAACTGAATGCAAATAGTGAAGCCACAGATGTATTTGCATTGAGTTGTTGGGATTGCCTACTGCCTCGGA
ITGB1-6	Human	TGCTGTTGACAGTGAGCGAAAGAGGGATAATACAAATGAATAGTGAAGCCACAGATGTATTCATTTGATTATCCCTCTTGCCTACTGCCTCGGA
ITGB1-7	Human	TGCTGTTGACAGTGAGCGAAGCCACAGACATTTACATTAATAGTGAAGCCACAGATGTATTAATGAAATGCTGTGGCTCTGCCTACTGCCTCGGA
ITGB1-8	Human	TGCTGTTGACAGTGAGCGCCGGGTGAAAATCCTATTTATATAGTGAAGCCACAGATGTATATAAATAGGATTTTACCCGGTGCCTACTGCCTCGGA
ITGB3-1	Human	TGCTGTTGACAGTGAGCGCTCCAACATTTGTTAATAGTTATAGTGAAGCCACAGATGTATACTATTAACAAATGTTGGAATGCCTACTGCCTCGGA
ITGB3-2	Human	TGCTGTTGACAGTGAGCGACCGCTTCAATGAGGAAGTGAATAGTGAAGCCACAGATGTATTCATCTCCTCATTGAAGCGGGTGCCTACTGCCTCGGA
ITGB3-3	Human	TGCTGTTGACAGTGAGCGAAAGAGCAGATGTCATTCCATATAGTGAAGCCACAGATGTATATGGAATGACATCTGCTCTTGTGCCTACTGCCTCGGA
ITGB3-4	Human	TGCTGTTGACAGTGAGCGATACCCTGAGTTCATAAATTTATAGTGAAGCCACAGATGTATAAATTTATGAAGTACAGGTTAGTGCCTACTGCCTCGGA
ITGB3-5	Human	TGCTGTTGACAGTGAGCGACCCTGCTACCTTCCCAATATAGTGAAGCCACAGATGTATATTGGTGAAGGTAGACGTGGCTGCCTACTGCCTCGGA
ITGB3-6	Human	TGCTGTTGACAGTGAGCGCCCGCTACTACTGCAACTGTATAGTGAAGCCACAGATGTATACAGTTGACAGTAGTAGCCGGTGCCTACTGCCTCGGA
ITGB3-7	Human	TGCTGTTGACAGTGAGCGCAAGGGAGAGAGTGTATTGTATAGTGAAGCCACAGATGTATACAATAGCACTCTCTCCCTTTTGCCTACTGCCTCGGA
ITGB3-8	Human	TGCTGTTGACAGTGAGCGCTGGCAGTATGGTAGAGGGATATAGTGAAGCCACAGATGTATATCCCTCTACCATACTGCCATTGCCTACTGCCTCGGA
Firefly Luciferase (FF)		AAGGTATATTGCTGTTGACAGTGAGCGAGCTCCCGTGAATTGGAATCCTAGTGAAGCCACAGATGTAGGATTCCAATTCAGCGGGAGCCTGCCTACTGCCTCG
ITGA1-2	Mouse	TGCTGTTGACAGTGAGCGCCCAACAAAGTGAATATTCAATAGTGAAGCCACAGATGTATTGAATATTCACITTTGTTGGGTTGCCTACTGCCTCGGA
ITGA1-3	Mouse	TGCTGTTGACAGTGAGCGACCCGGCTAATGTTATATTGTATAGTGAAGCCACAGATGTATACAATATAACATTAGCCGGGGTGCCTACTGCCTCGGA
ITGA1-5	Mouse	TGCTGTTGACAGTGAGCGCCTGGATGGTCATCTTCTGATATAGTGAAGCCACAGATGTATATCAGAAGATGACCATCCAGTTGCCTACTGCCTCGGA
ITGA2-2	Mouse	TGCTGTTGACAGTGAGCGACCCGTGATCTTTCCTAAACAATAGTGAAGCCACAGATGTATTGTTAGGAAAGATCACGGGCTGCCTACTGCCTCGGA
ITGA2-6	Mouse	TGCTGTTGACAGTGAGCGACTGAAAGACCTTACATGAAATAGTGAAGCCACAGATGTATTTGATGGAAGGTCTTTCAGCTGCCTACTGCCTCGGA
ITGA2-7	Mouse	TGCTGTTGACAGTGAGCGCCAGGGCGATGGGATACTTCTATAGTGAAGCCACAGATGTATAGAAGTATCCCATCGCCCTGTTGCCTACTGCCTCGGA
ITGA3-1	Mouse	TGCTGTTGACAGTGAGCGAATGGACAATGTTCCGATAAATAGTGAAGCCACAGATGTATTTATCGGAACATTGTCCATCTGCCTACTGCCTCGGA
ITGA3-6	Mouse	TGCTGTTGACAGTGAGCGCCAGCTACATGATTGAGCGGAATAGTGAAGCCACAGATGTATCCGCTGAATCATGTAGCTGTTGCCTACTGCCTCGGA
ITGA3-7	Mouse	TGCTGTTGACAGTGAGCGCCCGGATTATGCCCAAGTACCATAGTGAAGCCACAGATGTATGGTACTTGGGCATAATCCGGTGCCTACTGCCTCGGA
ITGA4-1	Mouse	TGCTGTTGACAGTGAGCGCGGGCATCATGTGATCACCAAATAGTGAAGCCACAGATGTATTTGGTGATCACATGATGCCATGCCTACTGCCTCGGA
ITGA4-2	Mouse	TGCTGTTGACAGTGAGCGCCGACATTTCCACATCATTATTTAGTGAAGCCACAGATGTAAATAATGATGGTGAATGTCGTTGCCTACTGCCTCGGA
ITGA6-1	Mouse	TGCTGTTGACAGTGAGCGCCACCACAGATCTGGATATTAATAGTGAAGCCACAGATGTATTAATATCCAGATCTGTGGTGTGCCTACTGCCTCGGA
ITGA6-2	Mouse	TGCTGTTGACAGTGAGCGCCGATGCATAGTATTGATCTATAGTGAAGCCACAGATGTATAGATCAATACTATGCATCGGATGCCTACTGCCTCGGA
ITGA6-6	Mouse	TGCTGTTGACAGTGAGCGCTAGGGTGAATTAAGTGAAGCCACAGATGTATTCGCTAAGTTAATCACCCATGCCTACTGCCTCGGA
ITGA8-2	Mouse	TGCTGTTGACAGTGAGCGAAACCTATAGAATTTAAATCAATAGTGAAGCCACAGATGTATTGATTTAAATCTATAGGTTCTGCCTACTGCCTCGGA
ITGA8-3	Mouse	TGCTGTTGACAGTGAGCGCTGGATGATTCTACCTTTAAATAGTGAAGCCACAGATGTATTTAAAGGTAGAATCATCCAAATGCCTACTGCCTCGGA
ITGA8-5	Mouse	TGCTGTTGACAGTGAGCGCCAGATAATTATTGGCGATGAATAGTGAAGCCACAGATGTATTCATCGCCAATAATTATCTGATGCCTACTGCCTCGGA
ITGAV-9	Mouse	TGCTGTTGACAGTGAGCGCCTGCATTGTGCTTATTGTATTAGTGAAGCCACAGATGTAAACAATAAGACACAATGCAGATGCCTACTGCCTCGGA
ITGAV-10	Mouse	TGCTGTTGACAGTGAGCGCGCATAGTACCTCTTCACTTAGTGAAGCCACAGATGTAGTAACTGAAGAGGTAATGCCTACTGCCTCGGA
ITGB1-4	Mouse	TGCTGTTGACAGTGAGCGACAGCAGGAGTAAACAATAAATAGTGAAGCCACAGATGTAAATTTATTGTTACTCCGTCTGGCTGCCTACTGCCTCGGA
ITGB1-5	Mouse	TGCTGTTGACAGTGAGCGCGGCTCTCAAATAAAGAAATAGTGAAGCCACAGATGTATTTCTTATAGTTTGGAGAGCCTGCCTACTGCCTCGGA
ITGB2-1	Mouse	TGCTGTTGACAGTGAGCGCGCCATCTTTGCGGTGACAAATAGTGAAGCCACAGATGTATTTGTCACCGCAAAGATGGGCTGCCTACTGCCTCGGA
ITGB2-4	Mouse	TGCTGTTGACAGTGAGCGAGGAAGGCTGTTGGATACTTATAGTGAAGCCACAGATGTATAAGTTATCCAACAGCCTTCCGTGCCTACTGCCTCGGA
ITGB2-5	Mouse	TGCTGTTGACAGTGAGCGAGGAAACAGCTATCTCCACAAATAGTGAAGCCACAGATGTATTTGTGGAGATAGCTGTTCCGTGCCTACTGCCTCGGA
ITGB3-2	Mouse	TGCTGTTGACAGTGAGCGCGCAACAAACCCGCTGTATAAATAGTGAAGCCACAGATGTATTTATACAGCGGGTGTGTTGCTTGCCTACTGCCTCGGA
ITGB3-3	Mouse	TGCTGTTGACAGTGAGCGACCTCTCAGATGCGCAAGCTTATAGTGAAGCCACAGATGTATAAGCTTGCATCTGAGAGGCTGCCTACTGCCTCGGA
ITGB3-9	Mouse	TGCTGTTGACAGTGAGCGAGCAGGCATTGTCTGCCCAATAGTGAAGCCACAGATGTAAATGGGCAGGACAATGCCTGCCTACTGCCTCGGA
ITGB3-10	Mouse	TGCTGTTGACAGTGAGCGAGGAAGGAATTTGCTAAATTTGTAGTGAAGCCACAGATGTACAAATTTAGCAAATTCCTCCGTGCCTACTGCCTCGGA
ITGB4-4	Mouse	TGCTGTTGACAGTGAGCGACAGGGTGGAGAAGACTACGAATAGTGAAGCCACAGATGTATTCGTAGTCTTCCACCCTGGTGCCTACTGCCTCGGA
ITGB4-7	Mouse	TGCTGTTGACAGTGAGCGAAGGGTGGAGAAGACTACGAATAGTGAAGCCACAGATGTATTTGATAGTCTTCCACCCTGTGCCTACTGCCTCGGA

Supplemental Table 1

4T1 Cell Line	% Protein Remaining
FF10	N/A
FF32	N/A
Alpha1-2	28±8.6
Alpha1-3	63±15.4
Alpha1-5	47±6.7
Alpha2-2	35±0.5
Alpha2-6	37±10
Alpha2-7-	5±1.6
Alpha3-1-BC-G8	<10% *
Alpha3-6-BC-B4	<10% *
Alpha3-7-BC-B6	<10% *
Alpha4-1-BC-A8	Protein not detected
Alpha4-2-BC-A2	Protein not detected
alpha6-1-BC B1	12 ±7
alpha6-2-BC A12	12 ±7
alpha6-6-BC A11	21 ±7
alpha8-2 BC H1	6.9 **
alpha8-3 BC H3	13.48 **
alpha8-5 BC H5	7.89 **
AlphaV-9-BC-E3	<10% *
AlphaV-10-BC-E4	<10% *
beta1-4-BC A3	17±2
beta1-5-BC A4	9±3
beta2-1-C5	9±4
beta2-4-BC-A6	20±4
beta2-5-BC-A7	33±11
beta3-2-BC-E7	15±6.2
beta3-3-BC-E9	42±18.5
beta3-9-BC-E11	42±21.5
beta3-10-BC-F1	1.2±6.2
beta4-4-BC-F10	9±1
beta4-7-BC-F8	7±1

* Knockdown was confirmed by western blots

** Knockdown was confirmed by qPCR

Supplemental Table 2