FBP1-Altered Carbohydrate Metabolism Reduces Leukemic Viability through Activating P53 and Modulating the Mitochondrial Quality Control System In Vitro

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Supplementary Documents

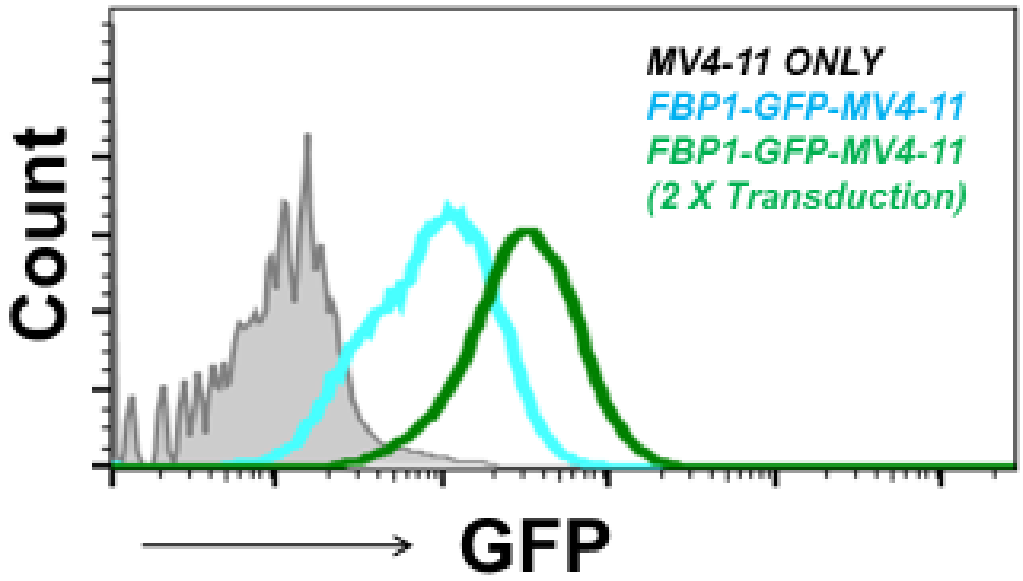
List of Reagents				
Antibody/Reagents	**Color**	**Cat. #**	**Company**	**Species Reactivity**
Viability Dye eFluor™ 780		65-0865-14	eBioscience	
Ki67	PE	350504	Biolegend	Human
CD14	APC	301808	Biolegend	Human
CD44	PE/CY7	338816	Biolegend	Human
FBP1		PIMA536138	Invitrogen	Human
B-actin		SC47778	Santa Cruz Biotechnology	Human
MT-CO2 (COX2, N-20)		SC-23983	Santa Cruz Biotechnology	Human
Anti-goat IgG	PE	F0107	R&D systems	
P53		645805	Biolegend	Human
P53		2524T	Cell Signaling Tech	Human
PINK1		846201	Biolegend	Human
Pyruvate Assay Kit		MAK332-1KT	Sigma Aldrich	
Secrete-Pair™ Dual Luminescence Assay Kit		LF031	GeneCopeia	

Supplementary Table S1: List of Reagents used in this study

#	Name (HUMAN)	Forward Sequence	Reverse Sequence
1	**FBP1**	GCAGTCAAAGCCATCTCTTCGG	TAACCAGGTCGTTGGAGAGGAC
2	**Caspase 3**	GGAAGCGAATCAATGGACTCTGG	GCATCGACATCTGTACCAGACC
3	**BAX**	TCAGGATGCGTCCACCAAGAAG	TGTGTCCACGGCGGCAATCATC

4	**P53**	CCTCAGCATCTTATCCGAGTGG	TGGATGGTGGTACAGTCAGAGC
5	**FGF21**	CTGCAGCTGAAAGCCTTGAAGC	GTATCCGTCCTCAAGAAGCAGC
6	**GDF15**	CAACCAGAGCTGGGAAGATTCG	CCCGAGAGATACGCAGGTGCA

Supplementary Table S2: List of Primers (Origene, etc.) used in this study



Supplementary Figure S1. GFP expression in different MV4-11 cell lines *in vitro*.

A representative FC histogram shows GFP expression in naïve MV4-11, FBP1-MV4-11 with one round of FBP1-lentiviral transduction and FBP1-MV4-11 cells with two rounds of FBP1-lentiviral tranduction.