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Article

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Arf1 coordinates fatty acid metabolism and mitochondrial homeostasis

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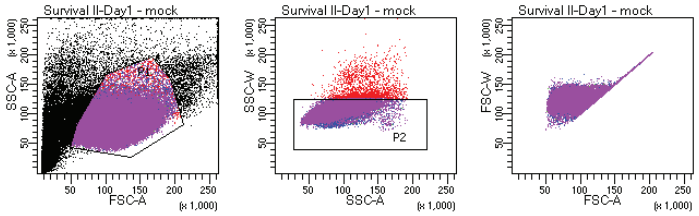
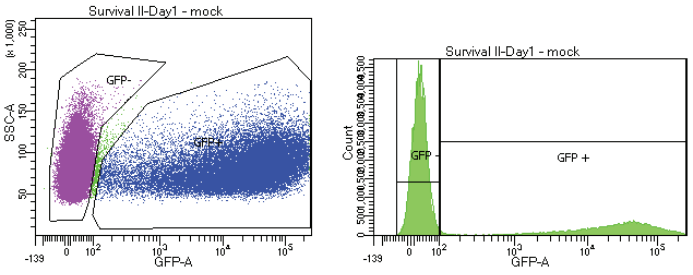
Supplementary data 1

A





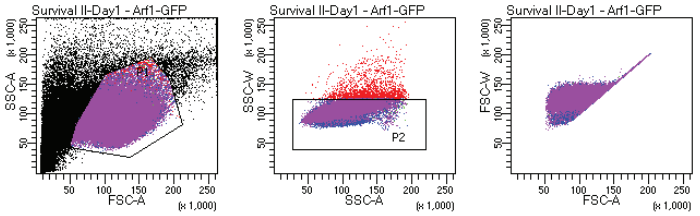
Tube: Day1 - mock

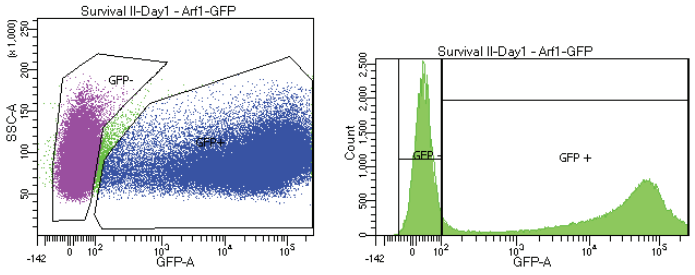
Population	#Events	%Parent	%Total
All Events	130,469	####	100.0
P1	97,536	74.8	74.8
P2	95,478	97.9	73.2
GFP+	30,496	31.9	23.4
GFP-	64,184	67.2	49.2
GFP -	63,859	66.9	48.9
GFP +	31,131	32.6	23.9

Experiment Name:	GFP experiments
Specimen Name:	Survival II
Tube Name:	Day1 - mock
Record Date:	Jun 2, 2021 11:35:39 AM
$OP:	Mirjam
GUID:	474d7ecf-aa75-4e65-a4c4-c9613e8eea...

Population	#Events	%Parent	GFP-A Min	GFP-A Max	GFP-A Median
GFP+	30,496	31.9	107	250,959	23,440
GFP-	64,184	67.2	-72	515	22
GFP -	63,859	66.9	-50	96	22
GFP +	31,131	32.6	101	251,695	22,523

B





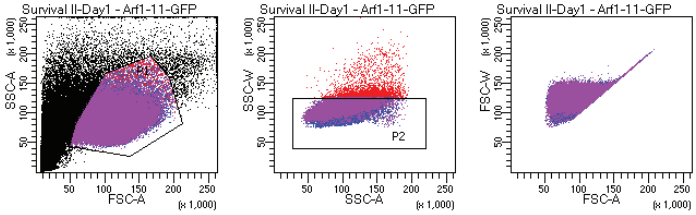
Tube: Day1 - Arf1-GFP

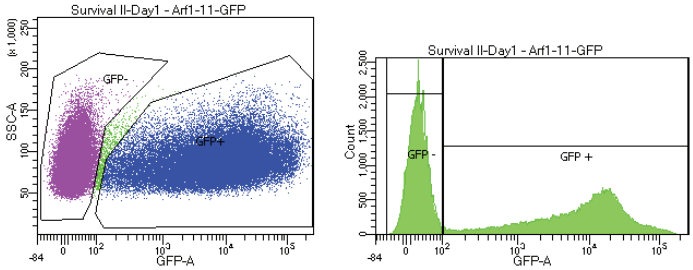
Population	#Events	%Parent	%Total
All Events	149,970	####	100.0
P1	94,429	63.0	63.0
P2	92,418	97.9	61.6
GFP+	49,802	53.9	33.2
GFP-	40,711	44.1	27.1
GFP -	39,716	43.0	26.5
GFP +	51,506	55.7	34.3

Experiment Name:	GFP experiments
Specimen Name:	Survival II
Tube Name:	Day1 - Arf1-GFP
Record Date:	Jun 2, 2021 11:40:44 AM
$OP:	Mirjam
GUID:	ba6ab357-0fcd-410c-8a80-88f758eb1b...

Population	#Events	%Parent	GFP-A Min	GFP-A Max	GFP-A Median
GFP+	49,802	53.9	106	250,951	37,712
GFP-	40,711	44.1	-72	414	28
GFP -	39,716	43.0	-50	96	27
GFP +	51,506	55.7	101	251,708	35,658

C





Tube: Day1 - Arf1-11-GFP

Population	#Events	%Parent	%Total
All Events	150,294	####	100.0
P1	88,509	58.9	58.9
P2	85,740	96.9	57.0
GFP+	45,007	52.5	29.9
GFP-	40,057	46.7	26.7
GFP -	39,751	46.4	26.4
GFP +	45,873	53.5	30.5

Experiment Name:	GFP experiments
Specimen Name:	Survival II
Tube Name:	Day1 - Arf1-11-GFP
Record Date:	Jun 2, 2021 11:48:55 AM
$OP:	Mirjam
GUID:	e11d7632-4fac-4753-b8e2-d2120121d...

Population	#Events	%Parent	GFP-A Min	GFP-A Max	GFP-A Median
GFP+	45,007	52.5	112	245,797	9,346
GFP-	40,057	46.7	-66	495	23
GFP -	39,751	46.4	-50	96	23
GFP +	45,873	53.5	101	245,797	9,036

Supplementary information

Supplementary legends

Supplementary data 1. Gating strategy for FACS sorting and GFP measurement in HeLa *ARF1 KO* (related to ED figure 3).

Gating strategy to measure cell survival of GFP-positive cells in ARF1 KO HeLa alpha cells transfected with empty vector - mock (A), Arf1-GFP (B) or Arf1-11-GFP (C) plasmids. To exclude debris from the initial cell population, forward (FSC) versus side scatter (SSC) gating was applied (population P1). Single cells were determined by using SSC area vs. SSC width (SSC-A/SSC-W) gating and by FSC-A/FSC-W gating (population P2). From the single cell population, GFP+ cells were determined by gating GFP-A/SSC-A density plots (population GFP+). 100,000 single cells were measured and the percentage of GFP+ cells were determined in each sample (%Parent).