

**Supplementary Table 1: List of Fli-1 interacting proteins in MEL cells**

Table depicting all the proteins interacting with Fli-1 in MEL cells and whose Mascott Score is at least 80 and two fold higher in 3xFlag-Bio(NLS)-Fli-1 than in MEL BirA cells.

**Supplementary Table 2: Primers for plasmid construction**

Primers used to amplify the different cDNA coding parts of 3xFlag-Bio(NLS)-Fli-1 and 3xFlag-Bio(NLS)-Irf2bp2 proteins

**Supplementary Table 3: Primers used for RT-qPCR**

**Supplementary Table 4: Primers used for ChIP-qPCR**

**Supplementary Table 1 : List of Fli-1 interacting proteins in MEL cells**

<b>Protein</b>	<b>Unique Peptide 3xFlag-Bio(NLS)-Fli-1 cells</b>	<b>Unique Peptide MEL- BirA cells</b>	<b>Mascot score 3xFlag-Bio(NLS)-Fli-1 cells</b>	<b>Mascot score MEL-BirA cells</b>
<b>Parp1</b>	31		1608	
<b>Etv6</b>	18		1008	
<b>C130039O16Rik</b>	14		841	
<b>Trrap</b>	19		814	
<b>Pfkl</b>	12	3	662	176
<b>Xrcc6</b>	11		596	
<b>Runx1</b>	10		547	
<b>Dek</b>	8	2	526	103
<b>Gata1</b>	7	4	464	210
<b>Vrk3</b>	8		439	
<b>Fermt3</b>	10	6	426	207
<b>Dido1</b>	8		415	
<b>Dnmt1</b>	7	3	352	147
<b>Pfkp</b>	6		343	
<b>Plk1</b>	8		342	
<b>Racgap1</b>	8		342	
<b>Dnttip1</b>	7		317	
<b>Snw1</b>	6	3	307	100
<b>Tal1</b>	6		301	
<b>Tada3</b>	5		261	
<b>Wiz</b>	6		252	
<b>Abcf2</b>	7		241	
<b>Mta2</b>	4	2	239	95
<b>Ldb1</b>	5		238	
<b>Nfix</b>	5		237	
<b>Ptbp1</b>	5	2	236	95
<b>Xrcc1</b>	4		213	
<b>Khdrbs1</b>	4	2	212	85
<b>Copb1</b>	5		203	
<b>Tfeb</b>	5		190	
<b>Ikzf1</b>	3		188	

<b>Protein</b>	<b>Unique Peptide 3xFlag- Bio(NLS)-Fli- 1 cells</b>	<b>Unique Peptide MEL- BirA cells</b>	<b>Mascot score 3xFlag- Bio(NLS)-Fli- 1 cells</b>	<b>Mascott score MEL-BirA cells</b>
Eif4a3	4		185	
Pfkm	4	2	185	70
Parp2	3		184	
Rbm17	4	1	178	52
Cpsf7	4	2	174	72
Znf710	3		166	
Vrk1	3		164	
Hdac2	3		159	
Taf6l	3		159	
Msh6	4		158	
Mta3	3		156	
Dnajc9	3		152	
Smarca4	3	1	152	47
Cbfb	3		151	
Taf5l	3		139	
Aplf	2		139	
Fxr1	3		131	
Rbm27	3		130	
Serbp1	2		127	
Bcor	2		126	
Tfe3	3		125	
Mtss1	3		123	
Banf1	2		123	
Hltf	2		123	
Baz1a	3		120	
Luc7l3	2		116	
Rcor1	3		115	
Hmmr	2		114	
Gfi1b	3		113	
Rbm25	3		112	
Cdk9	3		111	
Bcas2	3	1	109	45
Ints1	2		108	

<b>Protein</b>	<b>Unique Peptide 3xFlag- Bio(NLS)-Fli- 1 cells</b>	<b>Unique Peptide MEL- BirA cells</b>	<b>Mascot score 3xFlag- Bio(NLS)-Fli- 1 cells</b>	<b>Mascot score MEL-BirA cells</b>
Xrn2	3		107	
Rbm33	2		107	
Ehmt2	2		104	
Fmr1	2		102	
Fxr2	2		102	
Rbm15	3		101	
Ubtf	3		100	
Tada1	2		96	
Prpf40a	2		95	
Psip1	2		95	
Smap2	3		94	
Tcf3	3		94	
Copg2	2		94	
Cbx3	2		93	
Pds5a	2		93	
Nfic	2		91	
Polb	2		91	
Ssrp1	2		88	
Cdk1	2		87	
Pogz	2		86	
Wdr82	2		85	
Zeb2	2		85	
Ubap2l	2		84	
Ssbp2	1		84	
Ssbp3	1		84	
Ssbp4	1		84	
Srsf10	2		83	
Srsf12	2		83	
Supt7l	1		82	
Ehmt1	2		81	
Sf1	2		80	
2810422J05Rik	1		80	

Protein	Unique Peptide 3xFlag- Bio(NLS)-Fli- 1 cells	Unique Peptide MEL- BirA cells	Mascot score 3xFlag- Bio(NLS)-Fli- 1 cells	Mascot score MEL-BirA cells
2810422J05Rik	1		80	
Taf10	1		80	
Uba52	1		80	

**Supplementary Table 2 : Primers for plasmid constructions**

Primer name	Primer sequence
Sense 3xFlag (IRF2BP2)	5'-CGATATCGACTACAAGGATCACGACGAGACTACAAGGATC ACGACATCGACTACCAAGGACGATGACGATAAGCCTAGGA-3'
Antisense 3xFlag (IRF2BP2)	5'-GATCTCCTAGGCTTATCGTCATCGTCCTTGGTAGTCGATGT CGTGATCCTTGTAGTCTCGTCGTGATCCTTGTAGTCGATATCGG TAC-3'
Sense 3xFlag (Fli-1)	5'- GGCCGCGGTACCGACTACAAGGATCACGACGAGACTACAAGGA TCACGACATCGACTACCAAGGACGATGACGATAAGCTCGAGA-3'
Antisense 3xFlag (Fli-1)	5'GATCTCTCGAGCTTATCGTCATCGTCCTTGGTAGTCGATGTCTG TGATCCTTGTAGTCTCGTCGTGATCCTTGTAGTCGGTACCGC-3'
Forward N-term Fli-1	5'GAGAGAGCGGCCGCATGGACGGGACTATTAAGGAGG-3'
Reverse N-term Fli-1	5'-GAGAGAGGTACCTGATCCACTCCTGCTGCG-3'
Forward C-term Fli-1	5'-GAGAGACTCGAGGGAGGAGGACTAAACGACATCTTCGAGG CTCAGAAGATCGAGTGGCATCAGCCAGTGAGAGTCAATGTCA-3'
Reverse C-term Fli-1	5'GAGAGAAGATCTCTCAAGGCACGTGGGTGT3'
Forward N-term IRF2BP2	5'-GAGAGAGGTACCATGGCCGCGGCGGTGGCGGT-3'
Reverse N-term IRF2BP2	5'-GAGAGAGATATCTTTAGACCCGTTGGCCCCGT-3'
Forward C-term IRF2BP2	5'- GAGAGACCTAGGGGAGGAGGACTAAACGACATCTTCGAGGCT CAGAAGATCGAGTGGCATGCAGTTGCAAGGACAGCAAG-3'
Reverse C-term IRF2BP2	5'-GAGAGAAGATCTTCACGAGTCTCTCCTTCT-3'

**Supplementary Table 3 : Primers RT-qPCR**

<b>Primer name</b>	<b>Primer sequence</b>
Forward $\beta$ -globin	5'- CAGGCTGCTGGTTGTCTA-3'
Reverse $\beta$ -globin	5'-GAGGCTGTCCAAGTGATTC-3'
Forward sfpi-1	5'-AGAGCTATAACCAACGTCCAA-3'
Reverse sfpi-1	5'-GGAAGTTCTCAAACCTCGTTG-3'
Forward Alas-2	See reference 2
Reverse Alas-2	See reference 2

**Supplementary Table 4 : Primers for ChIP-qPCR**

<b>Primer name</b>	<b>Primer sequence</b>
<b>Forward Nip7 promoter</b>	5'- TCACGGAGAATTAGGCTAGA-3'
<b>Reverse Nip7 promoter</b>	5'-GGTCTCTTCTTCAGTCAAGG-3'
<b>Forward Fli-1 promoter</b>	5'-CGATCGCAAAGTGAAGTC-3'
<b>Reverse Fli-1 promoter</b>	5'-CCTGTGCACGTTTGTGT-3'
<b>Forward Tgfb1 locus</b>	5'-GGTGTGTCAGTAGCTTCTCCAG-3'
<b>Reverse Tgfb1 locus</b>	5'-GAAATGGGGTGACATAGAGA-3'
<b>Forward Myb -36 kb enhancer (BS1)</b>	Stadhouders et al., 2012
<b>Reverse Myb -36 kb enhancer (BS1)</b>	Stadhouders et al., 2012
<b>Forward Myb -68 kb enhancer (BS5)</b>	Stadhouders et al., 2012
<b>Reverse Myb -68 kb enhancer (BS5)</b>	Stadhouders et al., 2012
<b>Forward <math>\beta</math>-amylase locus</b>	5'-CTCCTTGTACGGGTTGGT-3'
<b>Reverse <math>\beta</math>-amylase locus</b>	5'-AATGATGTGCACAGCTGAA-3'