

Supplemental Material

Supplemental Table Legends

Table S1 Multi-comparison *common* gene probe lists were generated based on the gene expression comparison criteria for C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} [\geq +1.5-fold; $p \leq 0.05$], *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs [\leq -1.5-fold; $p \leq 0.05$], and *Cebpg*^{-/-} vs. *WT* MEFs [\geq +1.5-fold; $p \leq 0.05$]. Table titles and number of probes are listed below.

Table S1a: Probe set for C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} (1203 probes)

Table S1b: Probe set for *Cebpg*^{-/-} vs. *WT* MEFs (657 probes)

Table S1c: Probe set for *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (650 probes)

Table S1d: Common probes between C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-} vs. *WT* MEFs (137 probes)

Table S1e: Common probes between *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs and *Cebpg*^{-/-} vs. *WT* MEFs (120 probes)

Table S1f: Common probes between C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (224 probes)

Table S1g: Common probes between C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-} vs. *WT* MEFs and *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (59 probes)

Table S2 Multi-comparison *common* gene probe lists were generated based on the gene expression comparison criteria for C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} [\geq +1.5-fold; $p \leq 0.05$], *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs [\leq -1.5-fold; $p \leq 0.05$], and *Cebpg*^{-/-} vs. *WT* MEFs [\geq +1.5-fold; $p \leq 0.05$] (see Supplementary Tables 1a-d). We further refined the probes lists to number of genes and generated *unique* gene set interactions tables, graphically represented in the Venn diagram (Figure 3A). Table titles and number of genes are listed below.

Table S2a: Unique gene set for C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} (547 genes)

Table S2b: Unique gene set for *Cebpg*^{-/-} vs. *WT* MEFs (328 genes)

Table S2c: Unique gene set for *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (233 genes)

Table S2d: Unique gene set common to both C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-} vs. *WT* MEFs (61 genes)

Table S2e: Unique gene set common to both C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (106 genes)

Table S2f: Unique gene set common to both *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs and *Cebpg*^{-/-} vs. *WT* MEFs (48 genes)

Table S2g: Unique gene set common to C/EBP β -3T3^{RasV12} vs. 3T3^{RasV12} and *Cebpg*^{-/-} vs. *WT* MEFs and *Cebpb*^{-/-}/Ras^{V12} vs. *WT*/Ras^{V12} MEFs (47 genes)

Il1b (Mus musculus)

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aagcccctgctaacacagttgatggagagcacagaagcaccatccagttaccaaactccaactgcaaagctccctca
gcttaagcacaaggaggcgagagaggtgacacacttctgggtgtgcatctacgtgcctacctttgttccgcacatcc
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gagggaaaacaagttggacaacaaaccctgcagtggttCGAGGCCTAATAGGCTCATCTGGGATCCTCTCCAGCCAA
GCTTCCTTGTGCAAGTGTCTGAAGCAGCTATG
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SUPPLEMENTAL REFERENCES

1. Akira, S., H. Isshiki, T. Sugita, O. Tanabe, S. Kinoshita, Y. Nishio, T. Nakajima, T. Hirano, and T. Kishimoto. 1990. A nuclear factor for IL-6 expression (NF-IL6) is a member of a C/EBP family. *Embo Journal* **9**:1897-1906.