

Table S1. Upregulated Cytokines in Non-Irradiated Tie2Bak/BaxFl<sup>-</sup> Mice

Cytokine	FL/-		FL/+		B16		FL/- vs. B16		FL/- vs. FL/+	
	Mean	SEM	Mean	SEM	Mean	SEM	Fold Change	p value	Fold Change	p value
IGFBP-2	4,329.1	1,402.2	274.7	274.7	0.0	0.0	4,329.1	0.02	15.8	0.02
EGF	224.8	23.8	67.9	41.3	0.0	0.0	224.8	0.0004	3.3	0.02
VEGF-D	36.3	12.2	0.7	0.7	0.0	0.0	36.3	0.02	51.5	0.02
CD30T	29.4	11.9	0.0	0.0	0.0	0.0	29.4	0.03	29.4	0.03
MIG	451.9	159.4	349.2	12.7	17.5	11.2	25.8	0.03	1.3	0.28
AR	12.0	2.1	3.8	1.7	0.6	0.3	19.8	0.0029	3.1	0.02
MIP-1a	13.5	3.4	15.9	4.5	0.0	0.0	13.5	0.009	-1.2	0.34
Fas L	10.1	3.0	23.4	5.6	0.0	0.0	10.1	0.014	-2.3	0.05
Eotaxin-2	7.5	2.5	16.3	2.5	0.8	0.3	9.4	0.03	-2.2	0.03
IL-3	0.0	0.0	0.0	0.0	0.1	0.1	9.1	0.19	-	-
MCP-5	7.5	1.6	10.0	1.9	0.0	0.0	7.5	0.004	-1.3	0.18
Eotaxin	58.9	21.4	32.4	7.7	10.5	2.1	5.6	0.04	1.8	0.15
TARC	34.4	6.7	75.6	29.8	6.9	6.9	5.0	0.02	-2.2	0.12
RANTES	118.6	15.6	97.6	7.1	23.9	4.0	5.0	0.002	1.2	0.14
MIP-2	4.8	2.6	0.0	0.0	0.0	0.0	4.8	0.07	4.8	0.07
CD30L	85.0	51.5	17.2	5.3	18.5	9.3	4.6	0.14	4.9	0.13
CXCL16	4.4	4.4	0.0	0.0	0.0	0.0	4.4	0.19	4.4	0.19
IL-1b	50.4	8.8	85.3	25.7	11.9	11.9	4.2	0.03	-1.7	0.13
IL-17F	4.2	1.8	0.0	0.0	0.0	0.0	4.2	0.04	4.2	0.04
G-CSF	9.5	6.7	26.5	5.1	2.3	2.3	4.1	0.18	-2.8	0.06
IL-12p40	19.7	4.3	42.8	3.6	4.9	3.3	4.0	0.03	-2.2	0.007
MDC	147.0	23.9	148.5	32.3	47.3	1.9	3.1	0.007	1.0	0.49
GITR	29.2	7.9	5.8	5.8	11.1	11.1	2.6	0.13	5.1	0.04
IL-15	10,235.8	699.1	5,307.6	761.7	4,021.9	2,661.1	2.5	0.04	1.9	0.004
IL-13	15.3	10.5	32.5	10.1	6.0	6.0	2.5	0.24	-2.1	0.15
IGFBP-5	6,020.5	575.8	4,126.9	237.3	2,412.6	647.9	2.5	0.007	1.5	0.02
OPG	917.1	156.0	764.5	35.0	387.5	63.6	2.4	0.02	1.2	0.20
IL-4	2.2	0.5	9.8	1.2	1.0	1.0	2.2	0.17	-4.4	0.002
SDF-1a	1,475.0	335.1	402.0	136.5	695.2	227.4	2.1	0.06	3.7	0.02
M-CSF	8.6	1.8	27.5	6.2	4.2	4.2	2.0	0.20	-3.2	0.02
IL-21	37.9	3.1	71.0	17.9	19.1	13.5	2.0	0.12	-1.9	0.07
IL-1a	23.4	3.5	46.3	5.6	12.0	5.9	2.0	0.08	-2.0	0.013
HGF	1,120.1	246.6	474.7	48.7	771.1	190.7	1.5	0.16	2.4	0.03
E-selectin	300.2	80.8	216.9	92.4	221.7	88.7	1.4	0.27	1.4	0.27
IL-7	33.7	14.9	158.5	19.9	28.0	28.0	1.2	0.43	-4.7	0.004
TNF RII	11,371.7	3,097.7	5,922.5	811.9	9,505.7	1,459.9	1.2	0.31	1.9	0.08
IGF-I	2,424.8	737.5	2,946.4	568.9	2,036.2	835.7	1.2	0.37	-1.2	0.30
PF-4	9,175.5	567.2	9,793.1	515.1	7,719.7	137.6	1.2	0.03	-1.1	0.23
IGFBP-3	7,751.1	3,230.0	2,314.9	504.5	6,808.2	1,088.5	1.1	0.40	3.3	0.09
BLC	234.2	85.0	655.9	65.3	207.6	84.5	1.1	0.42	-2.8	0.009
VCAM-1	10,110.5	1,249.3	9,172.2	3,386.2	9,558.0	1,040.7	1.1	0.38	1.1	0.40
MIP-1g	1,100.3	125.3	845.8	94.3	1,053.3	102.3	1.0	0.39	1.3	0.09
P-selectin	11,282.5	1,548.0	6,579.0	2,839.4	11,175.4	1,725.4	1.0	0.48	1.7	0.11
Pro-MMP-9	14,6614.2	30,000.4	16,1241.7	41,321.6	148,268.3	5,437.1	1.0	0.48	-1.1	0.39
TNF RI	430.9	87.2	395.9	37.7	452.1	24.2	1.0	0.41	1.1	0.37

Table S2. Downregulated Cytokines in Non-Irradiated Tie2Bak/BaxFl/- Mice

Cytokine	FL/-		FL/+		B16		FL/- vs. B16		FL/- vs. FL/+	
	Mean	SEM	Mean	SEM	Mean	SEM	Fold Change	p value	Fold Change	p value
MCP-1	0.0	0.0	21.0	4.2	61.1	17.6	-61.1	0.013	-21.0	0.004
Prolactin	0.0	0.0	0.0	0.0	59.7	31.1	-59.7	0.06	-	-
GM-CSF	0.3	0.3	24.0	7.4	9.4	1.0	-28.1	0.0004	-71.6	0.02
IL-2	3.8	3.8	116.8	52.5	62.9	13.1	-16.6	0.006	-30.9	0.05
IFNg	8.5	0.5	31.3	4.4	94.8	15.8	-11.2	0.003	-3.7	0.003
IL-17	0.0	0.0	3.0	3.0	10.0	2.4	-10.0	0.008	-3.0	0.19
Leptin	0.0	0.0	0.0	0.0	8.8	8.6	-8.8	0.18	-	-
IL-5	30.0	3.9	146.9	21.0	250.1	86.7	-8.3	0.03	-4.9	0.003
IL-10	7.1	0.7	17.7	1.6	58.7	26.9	-8.3	0.06	-2.5	0.002
bFGF	16.6	1.3	26.6	3.9	102.8	9.5	-6.2	0.0004	-1.6	0.04
IL-6	0.0	0.0	2.5	2.5	5.7	1.9	-5.7	0.02	-2.5	0.19
VEGF	27.7	0.2	65.6	14.2	128.2	8.4	-4.6	0.0001	-2.4	0.03
MIP-3a	0.3	0.3	5.7	2.9	0.0	0.0	-2.9	0.19	-16.8	0.07
IGFBP-6	4,104.6	1,130.4	2,258.8	248.6	11,388.1	1,173.4	-2.8	0.006	1.8	0.09
ICAM-1	50.4	12.4	72.6	26.0	127.1	41.8	-2.5	0.08	-1.4	0.24
Axl	1,934.4	703.5	1,457.3	300.2	4,268.5	857.0	-2.2	0.05	1.3	0.28
IL-2 Ra	13.0	3.3	9.0	2.1	26.5	6.4	-2.0	0.07	1.5	0.18
SCF	0.0	0.0	0.0	0.0	1.8	1.8	-1.8	0.19	-	-
IL-1ra	1,389.8	519.8	1,635.5	350.6	2,271.9	490.5	-1.6	0.14	-1.2	0.36
Resistin	1,119.8	178.0	1,677.6	609.3	1,557.7	194.9	-1.4	0.09	-1.5	0.21
OPN	5,782.2	1,072.7	5,366.7	1,514.0	7,442.3	1,103.4	-1.3	0.17	1.1	0.42
KC	87.0	1.2	408.4	22.1	109.2	38.2	-1.3	0.30	-4.7	0.00006
LIX	158.4	6.1	1,985.5	924.2	191.2	157.8	-1.2	0.42	-12.5	0.06
TCA-3	11.4	1.7	17.6	1.2	12.4	3.3	-1.1	0.40	-1.5	0.02
I-TAC	0.0	0.0	14.8	14.8	0.0	0.0	-	-	-14.8	0.19

Table S3. Upregulated Cytokines in Irradiated Tie2Bak/BaxFl/- Mice

Cytokine	FL/-		FL/+		B16		FL/- vs. B16		FL/- vs. FL/+	
	Mean	SEM	Mean	SEM	Mean	SEM	Fold Change	p value	Fold Change	p value
EGF	255.9	98.1	14.0	8.1	0.0	0.0	255.9	0.03	18.3	0.03
IL-12p40	67.2	5.6	40.2	1.0	0.5	0.3	134.8	0.0001	1.7	0.005
IL-21	73.6	30.1	85.2	22.5	0.0	0.0	73.6	0.04	-1.2	0.39
IL-7	45.2	15.5	177.0	13.5	0.0	0.0	45.2	0.02	-3.9	0.002
IL-15	9,660.5	171.8	5,967.6	1,155.2	250.8	250.8	38.5	0.000003	1.6	0.02
SCF	37.7	37.7	0.0	0.0	0.0	0.0	37.7	0.19	37.7	0.19
HGF	1,822.4	381.9	644.2	205.0	79.6	79.6	22.9	0.006	2.8	0.03
VEGF-D	20.9	12.3	25.5	25.5	0.0	0.0	20.9	0.08	-1.2	0.44
CD30T	18.9	8.9	7.0	7.0	0.0	0.0	18.9	0.05	2.7	0.17
TARC	18.1	2.1	79.2	1.9	0.0	0.0	18.1	0.0005	-4.4	0.00001
MIG	956.9	93.0	273.8	44.7	65.0	18.9	14.7	0.0004	3.5	0.0014
RANTES	120.0	47.0	38.3	2.0	10.9	5.7	11.0	0.04	3.1	0.08
IGFBP-2	2,115.3	1,165.1	249.0	249.0	211.4	182.4	10.0	0.09	8.5	0.10
M-CSF	8.9	0.4	29.8	10.2	0.0	0.0	8.9	0.00002	-3.4	0.06
OPG	1,812.4	98.7	1,154.7	342.9	219.6	83.9	8.3	0.00013	1.6	0.07
I-TAC	7.5	7.5	0.0	0.0	0.0	0.0	7.5	0.19	7.5	0.19
IL-1b	58.3	11.5	78.6	43.4	9.4	9.4	6.2	0.015	-1.3	0.34
BLC	2,519.0	904.3	578.7	5.6	423.3	61.6	6.0	0.04	4.4	0.05
Fas L	5.4	0.5	12.0	7.9	0.0	0.0	5.4	0.0003	-2.2	0.22
Axl	3,198.7	1,110.7	939.6	509.3	706.5	164.2	4.5	0.05	3.4	0.07
IL-13	8.0	4.1	20.1	5.4	1.8	1.8	4.5	0.12	-2.5	0.07
Eotaxin	76.0	12.8	28.7	3.0	19.4	2.9	3.9	0.006	2.6	0.011
MIP-1a	3.5	2.3	10.6	2.2	0.0	0.0	3.5	0.10	-3.0	0.04
MIP-2	3.4	3.4	0.0	0.0	0.0	0.0	3.4	0.19	3.4	0.19
IL-4	3.1	0.3	3.7	0.5	1.0	1.0	3.3	0.05	-1.2	0.20
MDC	94.1	5.5	171.9	27.5	30.8	7.5	3.1	0.0012	-1.8	0.03
AR	15.9	8.9	2.0	1.2	5.2	1.9	3.0	0.15	8.2	0.10
IL-17	0.0	0.0	11.1	1.3	0.3	0.3	3.0	0.19	-11.1	0.0006
IL-17F	2.9	2.1	0.0	0.0	0.0	0.0	2.9	0.12	2.9	0.12
IGFBP-5	4,901.6	513.4	4,150.8	632.7	1,773.2	124.5	2.8	0.002	1.2	0.20
TNF RII	14,443.3	1,250.0	3,826.6	728.0	5,290.8	1,971.4	2.7	0.009	3.8	0.0009
TNF RI	543.0	26.6	259.1	28.5	214.2	53.7	2.5	0.003	2.1	0.001
G-CSF	17.2	1.0	13.4	3.2	7.1	3.8	2.4	0.03	1.3	0.16
ICAM-1	117.8	48.7	34.0	13.2	51.3	33.0	2.3	0.16	3.5	0.09
Pro-MMP-9	170,680.5	16,664.1	174,246.4	23,795.3	76,176.0	1,812.3	2.2	0.002	1.0	0.45
IL-2 Ra	10.8	7.0	6.6	3.3	5.1	5.1	2.1	0.27	1.6	0.31
LIX	246.1	63.9	1,573.5	400.6	132.4	92.9	1.9	0.19	-6.4	0.02
VEGF	62.8	17.4	98.0	5.7	33.9	17.1	1.9	0.15	-1.6	0.06
Eotaxin-2	6.3	0.8	10.2	2.1	3.4	0.7	1.8	0.03	-1.6	0.08
P-selectin	8,911.2	1,271.5	7,164.6	1,081.7	4,915.3	1,381.4	1.8	0.05	1.2	0.18
VCAM-1	8,597.2	534.8	8,318.6	1,135.7	7,136.9	1,917.2	1.2	0.25	1.0	0.42
MIP-1g	1,021.0	108.1	637.8	45.1	905.9	223.8	1.1	0.33	1.6	0.02
TCA-3	7.2	0.9	10.3	1.2	6.4	4.0	1.1	0.43	-1.4	0.06
IL-10	12.8	1.3	21.2	1.5	12.4	12.4	1.0	0.49	-1.7	0.006
PF-4	7,194.6	231.0	7,062.9	1,744.1	7,373.4	267.6	1.0	0.32	1.0	0.47
OPN	5,120.2	1,180.5	4,628.8	178.1	5,295.2	1,772.0	1.0	0.47	1.1	0.35

Table S4. Downregulated Cytokines in Irradiated Tie2Bak/BaxFl/- Mice

Cytokine	FL/-		FL/+		B16		FL/- vs. B16		FL/- vs. FL/+	
	Mean	SEM	Mean	SEM	Mean	SEM	Fold Change	p value	Fold Change	p value
MCP-1	0.0	0.0	20.7	3.8	95.2	5.0	-95.2	0.00002	-20.7	0.003
Prolactin	0.0	0.0	0.2	0.2	65.4	39.8	-65.4	0.09	-0.2	0.19
GM-CSF	0.6	0.6	38.1	2.1	5.6	1.1	-9.9	0.008	-67.3	0.00004
IGFBP-6	2,674.4	715.9	2,152.9	314.8	23,024.9	3,299.5	-8.6	0.002	1.2	0.27
IFN $\gamma$	9.0	0.4	45.1	6.3	60.1	6.7	-6.7	0.0008	-5.0	0.002
IL-6	0.0	0.0	4.8	1.1	5.3	0.6	-5.3	0.0004	-4.8	0.006
IL-2	14.3	5.4	178.3	18.1	47.4	13.6	-3.3	0.04	-12.5	0.0005
bFGF	29.3	5.8	14.4	3.2	94.3	33.0	-3.2	0.06	2.0	0.04
IL-5	43.3	3.1	172.0	13.6	130.4	58.0	-3.0	0.10	-4.0	0.0004
IL-1a	17.6	2.1	86.3	0.8	45.4	11.2	-2.6	0.04	-4.9	0.000003
IGFBP-3	5,234.0	813.7	5,458.1	2,819.9	12,128.4	1,793.5	-2.3	0.012	1.0	0.47
SDF-1a	709.0	208.4	552.7	168.3	1,438.5	228.0	-2.0	0.04	1.3	0.30
MCP-5	12.5	2.2	33.3	6.0	24.4	7.3	-2.0	0.10	-2.7	0.02
CD30L	113.5	38.6	35.8	2.7	215.6	135.3	-1.9	0.25	3.2	0.06
Leptin	0.0	0.0	0.0	0.0	1.7	1.7	-1.7	0.19	-	-
IGF-I	3,123.8	1,910.3	5,429.8	1,015.8	4,605.3	634.9	-1.5	0.25	-1.7	0.17
Resistin	999.8	167.2	1,233.3	341.1	1,456.1	296.5	-1.5	0.13	-1.2	0.29
E-selectin	260.4	17.9	372.7	78.8	365.1	90.4	-1.4	0.16	-1.4	0.12
Fractalkine	0.0	0.0	0.0	0.0	1.4	1.4	-1.4	0.19	-	-
IL-1ra	1,491.5	267.3	2,911.5	863.8	1,973.7	493.8	-1.3	0.22	-2.0	0.10
KC	85.6	7.8	443.9	19.0	100.9	33.0	-1.2	0.34	-5.2	0.00003
GITR	56.7	19.6	3.8	3.8	64.4	20.7	-1.1	0.40	14.8	0.03