

Supplemental Table 1: List of genes significantly up or down regulated (≥ 2 -fold change) by treatment with APAP or NAPQI for 24 and 48 hours. This list includes the 199 genes depicted in **Fig. 3**. Values are the ratios respect to control condition.

Gene	APAP 24	APAP 48	NAPQI 24	NAPQI 48	Gene	APAP 24	APAP 48	NAPQI 24	NAPQI 48	Gene	APAP 24	APAP 48	NAPQI 24	NAPQI 48	Gene	APAP 24	APAP 48	NAPQI 24	NAPQI 48
Acadsb	0.29	0.05		3.62	Clu	16.00		4.63	4.19	Gadd45a			0.17	0.04	Naip1			222.63	353.72
Akt1	5.00			2.94	Cradd			6.01	21.91	Gpx1				2.75	Naip2			54.52	39.87
Als2cr2	6.00				Cryaa			377.5	341.71	Gpx2	0.01	0.05	176.12	162.08	Nme5			8.77	13.93
Api5	7.60				Cryab	3.00		5.01	3.74	Greb1			132.77	132.60	Nod1			3.23	7.43
Atf5	18.00		2.41	5.34	Csf2			51.68	60.60	Gsr			2.76	2.51	Nol3			2.97	3.29
Bad	27.00	3.30	2.30	3.28	Cxcl1			8.49	14.74	Gsta1			38.62	46.27	Nos2			8240.06	2831.91
Bag1	9.00	6.40	4.01	7.48	Cxcl9			115.99	136.01	Gstm1			58.32	24.16	Nrip1				0.50
Bax			11.94	5.22	Cyb5r3		0.04			Gsto1	3.30	0.02			Nudt1	5.35			
Bcl2				52.41	Cyp1a1			1037.69	939.31	Gstp2	7.00				Odc1				2.33
Bcl2l1				3.23	Cyp1a2			73.52	28.73	Gstt1		0.03			Pak7			830.01	1318.72
Bcl2l2			11.37	11.96	Cyp2c29		0.04	1037.69	939.31	Gusb			0.24	0.36	Pdia3		0.04		
Bcl2l10			501.93	797.47	Cyp2c37			1217.98	939.31	Gys1				0.43	Pdia4	0	0.05		
Bcl10	3.00				Cyp2c38			1037.69	2233.58	Hells			0.20	0.35	Pim2		0.18		2.22
Bid			2.18		Cyp2c40		0.12	319.8	838.84	Hhip			20.19	23.67	Pmepa1			3.62	9.19
Birc2				2.52	Cyp2d22			75.23	71.59	Hmox1	2.63		14.45	5.59	Polb			3.26	2.62
Birc3			5.62	3.99	Cyp2e1			338.92	306.79	Hopx			7.05	8.06	Pparg			2.06	2.87
Birc5			4.59	3.90	Cyp2f2	8.00	0.02	1037.69	939.31	Hoxa1			9.39	6.78	PPC			1901.06	1827.47
Bmp2			253.10	296.77	Cyp4a10			1157.93	1118.95	Hprt1			2.10		Ppid			4.16	2.45
Bnip2	9.00		4.66	2.67	Cyp4b1			83.99	76.03	Hsf1			7.37	6.12	Ptch1			4.46	5.23
Bnip3				2.09	Cyp7a1			447.67	405.23	Hsp90aa1	11.00				Pycard	7.80		11.59	18.41
Bnip3l			2.34	2.73	Cyp7b1		0.09	74.87	67.78	Hsp110		0.04			Rbp1			61.13	150.05
Bok	19.60		4.21	4.54	Cyp11a1	0.24	0.05	1037.69	939.31	Hspa1a		0.02	6.50	3.09	Ripk1			2.76	10.38
Brc1			0.48		Cyp11b2			217.3	196.70	Hspa1l		0.03	3.95	3.63	Rnf7	8.00	0.25	3.12	2.8
Calr		0.04			Cyp17a1			261.88	237.05	Hspa2			2.28		RTC			1626.40	1470.70
Canx		0.04	0.47	0.42	Cyp19a1			53.28	62.48	Hspa4	14.60		184.70	52.92	Sele			38.93	50.08
Card6			3.72	15.73	Dad1	45.00		25.85	41.07	Hspa5			0.45	0.19	Selp			43.43	50.93
Card10			33.35	135.37	Dapk1			883.37	1403.50	Hspa9			2.64		Serpinh1			4.23	
Card11		81.60			Dffa			8.29	13.16	Hspa12a		0.05	162.99	424.57	Sod2	15.00			
Casp1			155.02	175.86	Dffb			10.78	17.12	Hspb1		0.13	5.99	4.99	Sod3			11.13	10.07
Casp2	7.60				Dnaja1			3.11		Hspb2			13.53	12.25	Sphk2				2.84
Casp3	12.00				Dnaja2				0.40	Hspb3			117.85	106.68	Stip1	6.00			
Casp4			3.42	5.44	Dnaja3			5.83		Hspd1	13.00				Sult1a1	0.06			
Casp6			2.09		Dnaja4			7.08		Hspe1	15.00		3.33	2.76	Tank				0.19
Casp7			2.84		Dnajb1	3.10				Hyou1		0.21			Tcf7			2.57	3.02
Casp8			6.83	31.91	Dnajb5			4.22	3.12	Icam1			138.74	162.68	Tcp1				2.29
Casp9			2.97	8.37	Dnajb6			11.87		Igfbp3			30.71	36.01	Tert			29.09	34.11
Casp12			17.66	28.05	Dnajb9		0.02			Igfbp4				3.36	Tnf			1114.80	1771.21
Casp14			26.34	77.69	Dnajb10	0.03	0.05			Ikbkb			2.97		Tnfrsf1a				0.31
Cat	0	0.05		0.34	Dnajb11	0.04	0.05	2064.20	2129.24	Il1a			18.35	20.86	Tnfrsf10b				0.47
Ccl2			17.24	7.50	Dnajb12	0.01	0.05	2.00		Il2			28.64	33.59	Tnfrsf11b				2.43
Ccl20			78.49	92.03	Dnajc4			3.37		Il2ra			245.00	289.38	Tnfrsf12a	3.30	6.40		
Ccnd1			8.36	9.17	Dnajc5	0.03	0.05	2.51		Il4ra			61.20	52.99	Tnfsf10	31.00		79.72	126.65
Cct2	0.13	0.05	3.84	2.05	Dnajc6			2688.28	1273.78	Il10			186.91	478.88	Tnfsf14		33.2		
Cct5			2.09		Dnajc7			3.47	13.02	Irf1				0.49	Traf1			34.64	54.81
Cct8			2.48		Dnajc8			30.11	25.46	Jun			0.24	0.28	Traf2			14.04	22.30
Cd40			236.57	375.86	En1			9.89	11.61	Lef1			24.97	24.04	Traf3			4.46	7.99
Cd40lg			1114.80	1771.21	Ephx2			408.54	369.8	Lep			79.77	93.53	Trp53			0.36	0.42
Cd5			54.02	63.34	Fadd			39.02	61.99	Lhx4			1114.80	1771.21	Trp53bp2			5.07	3.19
Cd70			1114.80	1771.21	Faim	28.00				LLI10	0.28				Trp63	0.32		157.72	250.59
Cdh1			94.37	110.65	Fas			8.26	6.20	Lta			74.22	87.02	Trp73			154.65	245.70
Cdkn1a			0.15	0.43	Fasl			1114.80	1771.21	Mapk8ip1	6.00				Ubc	5.00			
Cdkn1b				0.45	Fasn			4.14	7.54	Mcl1	9.60				Ugt1a6a		0.14		
Cdkn2a			2.53		Fgf4			71.74	127.32	Mdm2			0.48		Vcam1			0.43	0.41
Cebpb			0.28	0.27	Fmo1			46.98	42.52	MGDC			48.26	56.59	Vegfa			0.48	0.22
Ces1			453.64	126.62	Fmo4			426.92	566.52	Mmp7			39.67	46.51	Wnt1			115.85	135.84
Cflar			6.56		Fmo5		0.13	42.62	38.58	Mmp10			119.07	87.97	Wnt2			51.09	59.91
Cidea			871.65	1384.87	Fn1			0.48	0.27	Myc			0.22	0.04	Xdh			53.11	48.08
Cideb			11.08	17.61	Foxa2			124.09	145.50	Nab2			38.71	28.56	Zc3hc1	14.00			2.16