

SUPPLEMENTARY DATA

**IDO1
indoleamine
2,3dioxygenase**

Species	Tissue	Probe	Symbol	Fold Change	P-value	TREATMENT
Human	epidermis	210029	IDO1	23.071576	4.3E-09	IFNG
Human	K562 cells	9606	IDO1	22.064875	1E-10	IFNG
Human	hepatocytes	210029	IDO1	5.0576359	1.6E-09	IFNA1
Human	hepatocytes	210029	IDO1	3.2176583	1.2E-07	IFNA1
Human	MCF-7 cells	210029	IDO1	4.3180883	3.47E-05	EGF
Human	MCF-7 cells	210029	IDO1	4.3180883	3.47E-05	EGF
Mouse	hepatocytes	1420437	Ido1	2.3394624	6.73E-05	HGF,IL6
Mouse	hepatocytes	1420437	Ido1	2.1341035	0.006333	HGF,IL6
Mouse	hepatocytes	1420437	Ido1	2.0555055	4.84E-05	HGF,IL6
Mouse	hepatocytes	1420437	Ido1	2.0226095	5.14E-05	IL6
Human	K562 cells	9606	IDO1	26.026256	0	P3CSK4
Human	K562 cells	9606	IDO1	12.110455	2.26E-08	P3CSK4
House	ventricle	1420437	Ido1	3.3403517	0.0083	LPS
Mouse	ventricle	1420437	Ido1	2.9236082	0.00021	LPS
Rat	whole liver	1387608	Ido1	2.4988271	2.3E-06	LPS
Mouse	BMDM	1223600	Ido1	2.608087	3.87E-05	LPS
Rat	whole liver	1387608	Ido1	2.0440363	9.64E-05	LPS
Human	A549 cells	8146092	IDO1	2.3084002	0.000084	TNF
Human	A549 cells	1656310	IDO1	-2.109141	0.003283	DEX
Human	A549 cells	3239965	IDO1	-2.0848231	0.004684	DEX
Mouse	BMDM	1223600	Ido1	-2.1970779	0.00015	DEX
Human	DC	210029	IDO1	-6.2300403	0.002378	ROSI
Mouse	AORTA	97731	Ido1	-6.0737384	0.009382	ROSI
Human	fibroblast	210029t	IDO1	-2.604244	0.04695	TGFB2

INTERFEROME

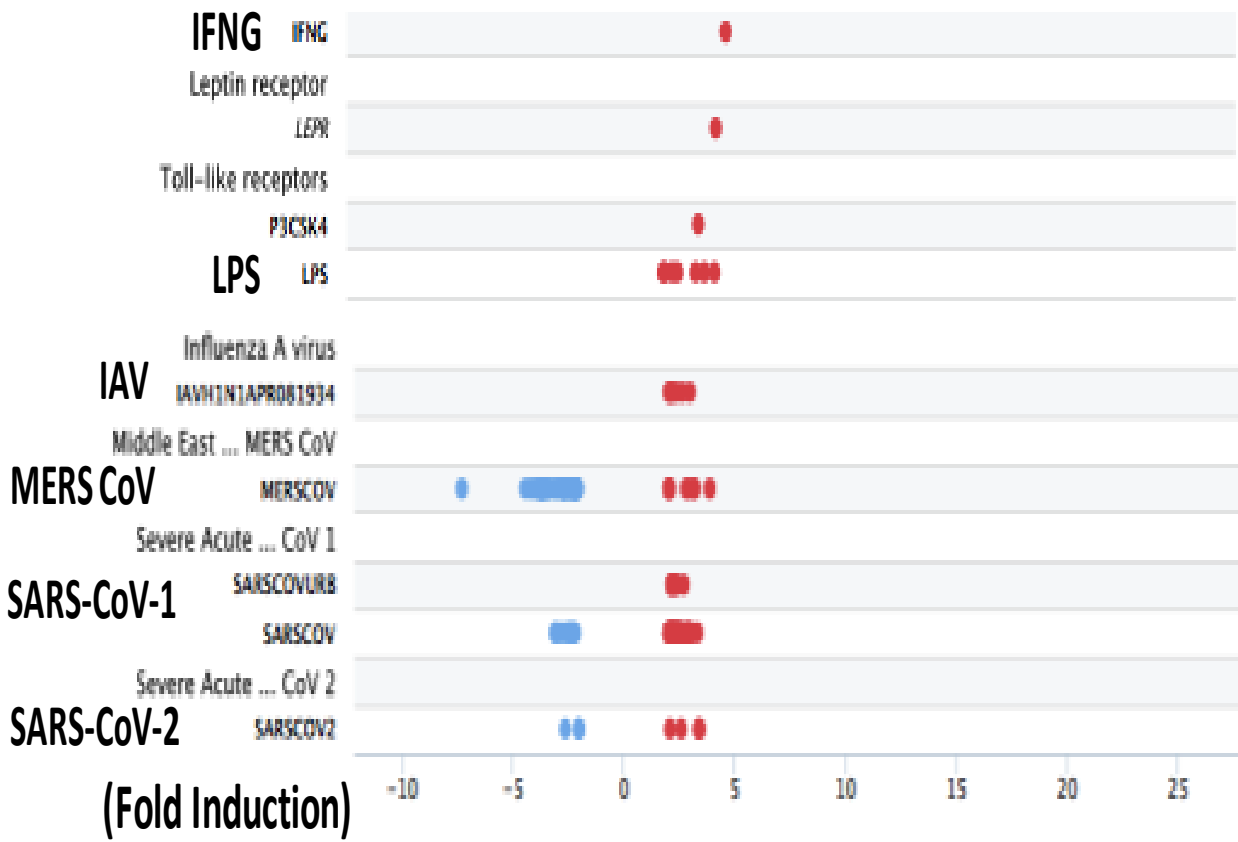
Gene Symbol IDO1 (indoleamine 2,3-dioxygenase 1)

DATA ID	Fold CHANGE	IFN Type	Treat Time (HR)	Gene Symbol	Gene Name
126	1036.901	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
127	15.107131	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
146	66.24625	II	4.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
149	4.8048797	I	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
173	279.4501	II	20.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
174	254.95198	II	20.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
192	2.91195	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
226	5.1313167	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
227	4.514594	I	12.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
228	2.0905187	I	18.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
318	236.42982	II	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
319	768.541	II	18.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
12	125.07597	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
13	16.546137	II	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
37	28.160145	II	5.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
39	407.93698	II	5.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
40	96.44835	I	5.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
41	82.274704	I	5.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
61	11.624224	I	72.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
63	112.01323	II	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
64	203.9916	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
144	126.76817	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
182	130.28447	II	8.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
183	191.92735	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
184	81.825485	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
295	18.390663	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
311	315.15765	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
313	107.53709	II	72.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
58	34.031605	I	3.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
74	4.03055	I	16.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC S
82	12.1536	II	12.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
83	33.6245	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
85	13.8904	II	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC

123	7.7116632	II	168.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
124	19.148584	II	168.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
128	655.7897	II	10.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
129	59.959095	I	10.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
130	40.86935	I	10.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
131	529.04755	II	10.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
160	5.1172132	I	18.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
162	15.9788	II	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
163	2.0950067	I	3.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
279	3.5191457	I	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
280	2.159824	I	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
281	5.2967463	I	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
284	6.3615193	II	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
374	2.333051	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
375	3.3527706	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
86	38.931118	II	3.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
87	239.17076	II	12.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
88	126.639984	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
89	37.761307	II	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
90	15.902369	II	72.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
143	17.301817	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
201	6.0346255	I	2.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
202	8.948965	I	6.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
203	6.0060296	I	18.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
302	468.3281	II	24.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
307	33.048046	II	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
308	258.19516	II	48.0	IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC
69	14.306802	II	18.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
72	15.228998	I	3.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
176	5.5565176	II	6.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
343	2.006069	II	6.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
151	2.5813553	II	6.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
152	3.9961975	II	6.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
189	9.435782	I	8.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
191	6.2460413	I	4.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI
283	2.9095078	I	10.0	Ido1	indoleamine 2,3-dioxygenase 1 [Source:MGI

Suppl. Figure 1. Regulation of SAT1 by inflammatory stimuli and viruses

Spermidine acetyl transferase 1 (SAT1)



Suppl. Figure 2. Regulation of CH25H by inflammatory stimuli and viruses

Cholesterol 25 hydroxylase (CH25H)

