

**Supplemental Table 3** – Top 10 exons differentially expressed with highest log2 fold change upon IFN- $\gamma$  *in vitro* treatment

Ensembl ID	Ensembl Name	Exon	Width	Strand	Exon Base Mean	log2 Fold Change	pvalue	padj
<b>C1</b>								
ENSG00000132646	PCNA	E007	112	-	1,91E+14	2,95E-01	1,10E+09	6,03E-03
ENSG00000134516	DOCK2	E060	47	+	2,27E+14	2,22E-01	6,50E+06	1,71E-04
ENSG00000119335	SET	E027	24	+	6,69E+14	2,18E-01	1,39E+08	1,65E-03
ENSG00000119335	SET	E028	70	+	9,34E+14	2,05E-01	1,30E+09	6,51E-03
ENSG00000163468	CCT3	E003	22	-	1,81E+13	1,91E-01	1,14E-04	2,81E-02
ENSG00000091651	ORC6	E023	307	+	2,07E+14	1,85E-01	4,54E+07	3,50E-03
ENSG00000140350	ANP32A	E006	10	-	1,80E+14	1,82E-01	1,24E-04	2,96E-02
ENSG00000086758	HUWE1	E027	137	-	2,19E+13	1,76E-01	1,19E+09	6,19E-03
ENSG00000150459	SAP18	E004	67	+	2,07E+14	1,74E-01	1,44E+09	6,82E-03
ENSG00000136628	EPRS	E040	85	-	2,53E+14	1,71E-01	5,50E+08	3,95E-03
<b>C2</b>								
ENSG00000140105	WARS	E081	1	-	1,33E+14	1,08E+14	4,40E+06	4,77E-04
ENSG00000140105	WARS	E080	36	-	1,94E+14	1,06E+14	4,71E+00	1,30E+05
ENSG00000140105	WARS	E078	2	-	1,45E+14	1,06E+14	1,64E+04	2,91E+08
ENSG00000140105	WARS	E079	35	-	1,67E+12	1,00E+14	4,71E+03	9,77E+07
ENSG00000140105	WARS	E082	46	-	1,31E+14	1,10E+12	1,08E+06	1,34E-04
ENSG00000140105	WARS	E077	6	-	1,62E+14	9,23E-01	3,93E+05	5,75E+09
ENSG00000140105	WARS	E076	61	-	5,26E+14	8,59E-01	1,18E-09	1,46E-04
ENSG00000140105	WARS	E075	3	-	4,95E+14	8,39E-01	2,13E-07	7,56E-03
ENSG00000140105	WARS	E074	48	-	9,41E+14	6,81E-01	6,90E-12	1,72E-06
ENSG00000140105	WARS	E073	5	-	1,05E+14	6,06E-01	4,92E-09	3,06E-04
<b>C3</b>								

ENSG00000140105	WARS	E078	2	-	1,11E+12	1,09E+14	1,41E+06	2,91E-04
ENSG00000140105	WARS	E077	6	-	1,15E+14	1,08E+14	3,47E+06	6,60E-04
ENSG00000140105	WARS	E079	35	-	1,15E+14	1,04E+14	7,78E+06	1,38E-03
ENSG00000140105	WARS	E075	3	-	3,05E+14	9,90E-01	4,52E-03	2,37E+02
ENSG00000140105	WARS	E076	61	-	3,27E+14	9,88E-01	1,94E-03	1,60E+02
ENSG00000140105	WARS	E074	48	-	5,16E+14	7,86E-01	5,04E-07	6,24E-01
ENSG00000140105	WARS	E089	26	-	6,79E+12	6,91E-01	4,76E-06	6,24E-01
ENSG00000140105	WARS	E072	3	-	5,85E+14	6,79E-01	4,79E-03	2,37E+02
ENSG00000140105	WARS	E073	5	-	5,53E+14	6,73E-01	6,74E-02	2,78E+03
ENSG00000140105	WARS	E071	3	-	5,89E+14	6,52E-01	1,18E-01	4,18E+03
<b>C4</b>								
ENSG00000140105	WARS	E082	46	-	9,04E+14	9,78E-01	3,30E+08	2,75E-02
ENSG00000140105	WARS	E081	1	-	9,06E+14	9,78E-01	2,79E+08	2,46E-02
ENSG00000140105	WARS	E074	48	-	4,90E+14	9,65E-01	4,29E-13	1,32E-07
ENSG00000140105	WARS	E080	36	-	1,30E+14	9,01E-01	1,31E+08	1,27E-02
ENSG00000140105	WARS	E076	61	-	3,18E+14	8,89E-01	1,17E+04	2,13E+08
ENSG00000140105	WARS	E075	3	-	3,08E+14	8,83E-01	1,24E+05	2,01E+09
ENSG00000140105	WARS	E098	19	-	2,57E+14	8,69E-01	1,08E+07	1,08E-02
ENSG00000140105	WARS	E073	5	-	5,51E+14	8,09E-01	3,97E-07	4,08E-02
ENSG00000140105	WARS	E093	3	-	3,99E+14	7,85E-01	8,52E+03	1,64E+08
ENSG00000140105	WARS	E097	2	-	2,97E+14	7,83E-01	4,20E+06	5,39E-04
<b>C5</b>								
ENSG00000140105	WARS	E079	35	-	1,96E+14	1,68E+14	1,39E+03	1,50E+07
ENSG00000140105	WARS	E080	36	-	2,07E+14	1,67E+14	8,40E+02	9,82E+06
ENSG00000140105	WARS	E077	6	-	1,79E+14	1,67E+14	3,13E+05	2,56E+09
ENSG00000140105	WARS	E078	2	-	1,75E+13	1,64E+14	4,96E+04	4,68E+08

ENSG00000140105	WARS	E082	46	-	1,35E+14	1,50E+14	3,35E+07	1,71E-03
ENSG00000140105	WARS	E081	1	-	1,37E+14	1,47E+14	3,09E+07	1,65E-03
ENSG00000140105	WARS	E076	61	-	4,34E+13	1,43E+14	3,21E-21	9,85E-17
ENSG00000140105	WARS	E074	48	-	7,13E+14	1,25E+14	4,89E-25	2,00E-20
ENSG00000140105	WARS	E073	5	-	7,74E+14	1,08E+14	5,42E-34	3,33E-30
ENSG00000140105	WARS	E072	3	-	8,20E+14	1,06E+14	2,27E-39	2,79E-34
<b>D1</b>								
ENSG00000140105	WARS	E074	48	-	6,93E+14	6,29E-01	3,31E+05	2,52E+09
ENSG00000140105	WARS	E073	5	-	8,06E+14	5,59E-01	1,91E-01	7,40E+02
ENSG00000140105	WARS	E072	3	-	8,52E+14	5,52E-01	5,78E-02	6,34E+03
ENSG00000140105	WARS	E071	3	-	8,93E+14	5,34E-01	2,34E-01	7,40E+02
ENSG00000140105	WARS	E089	26	-	8,99E+14	5,24E-01	2,70E-01	7,40E+02
ENSG00000140105	WARS	E090	2	-	6,00E+14	5,15E-01	3,05E+04	3,72E+08
ENSG00000140105	WARS	E091	12	-	5,88E+13	5,07E-01	7,32E+04	7,30E+08
ENSG00000157873	TNFRSF1 4	E014	14	+	5,35E+14	3,86E-01	3,35E+08	1,02E-02
ENSG00000146263	MMS22L	E036	2420	-	5,16E+14	3,82E-01	8,40E+08	2,09E-02
ENSG00000126777	KTN1	E094	7	+	6,36E+14	3,44E-01	1,97E+09	4,01E-02
<b>D2</b>								
ENSG00000140105	WARS	E075	3	-	5,68E+14	5,93E-01	4,03E+01	7,46E+05
ENSG00000140105	WARS	E076	61	-	5,65E+14	5,70E-01	1,14E+03	1,80E+07
ENSG00000140105	WARS	E074	48	-	9,33E+14	5,19E-01	3,07E-02	1,71E+03
ENSG00000140105	WARS	E071	3	-	1,05E+14	4,94E-01	9,31E-04	1,03E+03
ENSG00000140105	WARS	E073	5	-	9,89E+14	4,84E-01	4,37E-01	1,21E+03
ENSG00000140105	WARS	E072	3	-	1,03E+14	4,80E-01	1,75E-01	6,48E+03
ENSG00000140105	WARS	E091	12	-	5,89E+14	3,90E-01	1,69E+08	1,34E-02

ENSG00000140105	WARS	E089	26	-	9,16E+14	3,79E-01	3,33E+05	4,11E+09
ENSG00000140105	WARS	E090	2	-	6,17E+14	3,77E-01	1,66E+08	1,34E-02
ENSG00000137154	RPS6	E007	147	-	8,18E+14	-2,31E-02	2,35E+08	1,74E-02
<b>D3</b>								
ENSG00000140105	WARS	E082	46	-	1,54E+14	9,04E-01	7,84E+04	1,38E-04
ENSG00000140105	WARS	E081	1	-	1,56E+14	8,85E-01	1,29E+06	1,94E-04
ENSG00000140105	WARS	E080	36	-	2,54E+14	8,83E-01	4,43E+01	1,63E+06
ENSG00000140105	WARS	E079	35	-	2,67E+14	8,42E-01	3,08E+02	9,45E+06
ENSG00000140105	WARS	E078	2	-	2,39E+14	8,41E-01	3,67E+04	9,66E+08
ENSG00000140105	WARS	E075	3	-	6,15E+14	8,15E-01	1,56E-11	2,54E-06
ENSG00000140105	WARS	E076	61	-	6,38E+14	8,11E-01	1,82E-10	1,68E-05
ENSG00000140105	WARS	E077	6	-	2,45E+14	8,06E-01	4,86E+05	9,43E+09
ENSG00000140105	WARS	E074	48	-	1,01E+14	7,16E-01	2,63E-17	9,69E-12
ENSG00000140105	WARS	E073	5	-	1,05E+14	6,96E-01	2,07E-11	2,54E-06
<b>D4</b>								
ENSG00000167258	CDK12	E021	722	+	1,62E+14	8,38E-01	1,66E+08	1,74E-02
ENSG00000163050	ADCK3	E032	142	+	2,02E+14	-6,92E-01	9,56E+07	1,13E-02
ENSG00000133313	CNDP2	E011	49	+	3,04E+14	5,76E-01	5,47E+07	7,39E-03
ENSG00000140105	WARS	E071	3	-	1,13E+14	5,37E-01	4,23E-03	4,01E+02
ENSG00000140105	WARS	E074	48	-	9,25E+14	5,31E-01	2,65E+00	1,00E+05
ENSG00000140105	WARS	E072	3	-	1,10E+13	5,19E-01	3,13E-01	1,48E+04
ENSG00000140105	WARS	E075	3	-	5,69E+14	5,12E-01	5,72E+05	9,03E+09
ENSG00000140105	WARS	E073	5	-	1,03E+14	5,07E-01	2,22E-02	1,40E+03
ENSG00000140105	WARS	E076	61	-	6,06E+14	5,07E-01	3,07E+04	7,27E+07
ENSG00000140105	WARS	E089	26	-	9,34E+14	4,02E-01	4,83E+03	1,02E+09
<b>N1</b>								

0 genes								
<b>N2</b>								
0 genes								
<b>N3</b>								
0 genes								
<b>N4</b>								
0 genes								
<b>N5</b>								
ENSG00000155368	DBI	E026	19	+	3,19E+14	-2,55E-01	9,81E+00	7,75E+05
ENSG00000172809	RPL38	E012	171	+	1,74E+14	-2,43E-01	6,57E+09	2,55E-02
ENSG00000197958	RPL12	E002	3	-	4,13E+14	-2,03E-01	1,40E+03	6,33E+06
ENSG00000156508	EEF1A1	E003	4	-	3,81E+14	-2,02E-01	9,65E+04	2,54E+08
ENSG00000156508	EEF1A1	E004	2	-	4,02E+14	-2,01E-01	3,71E+05	8,38E+08
ENSG00000171858	RPS21	E010	201	+	1,81E+14	-1,97E-01	1,47E+09	7,47E-03
ENSG00000169567	HINT1	E020	16	-	1,74E+14	1,77E-01	1,46E-04	4,50E-02
ENSG00000145287	PLAC8	E001	640	-	2,01E+14	-1,77E-01	2,45E+09	1,17E-02
ENSG00000135486	HNRNPA 1	E036	37	+	1,93E+14	-1,76E-01	6,78E+09	2,55E-02
ENSG00000197756	RPL37A	E004	5	+	1,95E+14	1,74E-01	6,12E+09	2,42E-02
<b>N6</b>								
ENSG00000127314	RAP1B	E072	11379	+	1,41E+14	2,52E-01	5,65E+07	9,72E-03
ENSG00000090060	PAPOLA	E017	82	+	1,26E+14	2,44E-01	6,78E+08	3,12E-02
ENSG00000070831	CDC42	E017	23	+	2,56E+14	1,82E-01	8,45E+08	3,12E-02
ENSG00000131469	RPL27	E017	2	+	2,28E+14	1,76E-01	1,39E+09	4,23E-02
ENSG00000112996	MRPS30	E020	3986	+	3,94E+14	1,36E-01	3,62E+08	2,07E-02
ENSG00000143321	HDGF	E002	416	-	6,75E+14	9,63E-02	9,73E+08	3,23E-02

ENSG00000196735	HLA-DQA1	E023	3410	+	1,56E+14	6,39E-02	2,95E+08	2,07E-02
ENSG00000065978	YBX1	E029	236	+	2,25E+14	5,07E-02	4,01E+08	2,07E-02
ENSG00000108518	PFN1	E002	331	-	8,92E+14	2,83E-02	4,61E+05	2,38E-04
ENSG00000111640	GAPDH	E014	100	+	1,38E+14	1,92E-02	7,73E+07	9,98E-03