

Supplemental Table 1 – Up-regulated genes with highest fold change and p-value <0.05 upon IFN- γ treatment *in vitro*

Ensembl ID	Ensembl Name	Base Mean	log2 Fold Change	pvalue	Padj
C1					
ENSG00000140511	HAPLN3	3,03E+14	2,27E+14	2,59E-127	3,39E-124
ENSG00000154451	GBP5	3,82E+14	2,23E+14	1,83E-140	2,67E-137
ENSG00000162645	GBP2	1,07E+14	2,09E+14	6,29E-243	1,65E-239
ENSG00000162654	GBP4	1,27E+14	2,05E+14	4,99E-265	1,64E-262
ENSG00000138755	CXCL9	3,58E+14	2,00E+14	3,01E-105	3,59E-103
ENSG00000117228	GBP1	1,45E+14	2,00E+14	6,67E-279	2,92E-275
ENSG00000140105	WARS	1,35E+14	1,95E+14	0,00E+00	0,00E+00
ENSG00000221963	APOL6	2,85E+14	1,76E+14	0,00E+00	0,00E+00
ENSG00000125347	IRF1	2,89E+14	1,48E+14	3,04E-240	6,64E-237
ENSG00000169245	CXCL10	3,02E+14	1,22E+14	1,06E-33	5,79E-31
C2					
ENSG00000140511	HAPLN3	3,23E+14	2,03E+14	4,49E-131	7,18E-128
ENSG00000162654	GBP4	1,06E+13	1,83E+14	2,20E-226	1,06E-223
ENSG00000154451	GBP5	3,71E+14	1,78E+14	2,75E-107	2,64E-105
ENSG00000162645	GBP2	1,46E+14	1,33E+14	1,38E-159	3,31E-156
ENSG00000117228	GBP1	1,29E+14	1,23E+14	3,14E-121	4,31E-118
ENSG00000125347	IRF1	1,98E+14	1,09E+14	1,67E-131	3,22E-128
ENSG00000100628	ASB2	6,16E+14	1,02E+14	7,94E-44	5,87E-41
ENSG00000140105	WARS	8,63E+14	1,46E+13	0,00E+00	0,00E+00

ENSG00000221963	APOL6	1,86E+14	1,06E+13	1,47E-110	1,76E-107
ENSG00000115415	STAT1	1,46E+14	7,98E-01	2,25E-215	7,20E-212
C3					
ENSG00000117228	GBP1	1,71E+14	1,52E+14	2,22E-214	5,78E-211
ENSG00000221963	APOL6	3,37E+14	1,47E+14	0,00E+00	0,00E+00
ENSG00000140105	WARS	8,22E+14	1,42E+14	0,00E+00	0,00E+00
ENSG00000162645	GBP2	1,26E+14	1,32E+14	8,35E-137	1,30E-133
ENSG00000154451	GBP5	4,99E+14	1,19E+14	5,74E-59	4,48E-56
ENSG00000125347	IRF1	2,92E+14	1,17E+14	6,33E-187	1,24E-183
ENSG00000162654	GBP4	1,94E+14	1,06E+14	2,07E-126	2,70E-121
ENSG00000163568	AIM2	5,04E+14	1,00E+00	1,18E-40	7,07E-38
ENSG00000168394	TAP1	6,92E+14	8,42E-01	8,36E-116	9,33E-113
ENSG00000085449	WDFY1	1,65E+14	7,89E-01	9,03E-57	6,41E-54
C4					
ENSG00000117228	GBP1	1,02E+14	1,74E+14	2,58E-199	4,05E-196
ENSG00000140511	HAPLN3	1,82E+14	1,61E+14	1,53E-70	1,20E-67
ENSG00000162654	GBP4	1,63E+13	1,51E+14	3,96E-225	1,25E-221
ENSG00000221963	APOL6	1,62E+14	1,46E+14	6,71E-206	1,27E-202
ENSG00000125347	IRF1	2,12E+14	1,35E+14	5,75E-198	7,75E-195
ENSG00000154451	GBP5	1,69E+14	1,26E+14	1,32E-38	5,94E-36
ENSG00000168394	TAP1	4,88E+14	1,07E+14	7,13E-190	8,41E-186
ENSG00000115415	STAT1	1,07E+14	1,05E+14	0,00E+00	0,00E+00
ENSG00000138496	PARP9	1,46E+14	1,01E+14	3,56E-90	3,73E-87
ENSG00000140105	WARS	8,71E+14	1,84E+13	0,00E+00	0,00E+00
C5					
ENSG00000140511	HAPLN3	2,51E+14	3,04E+14	1,49E-176	1,98E-173
ENSG00000162654	GBP4	8,37E+14	2,91E+14	0,00E+00	0,00E+00
ENSG00000117228	GBP1	5,78E+14	2,78E+14	1,13E-254	1,69E-250

ENSG00000138755	CXCL9	1,96E+14	2,21E+14	4,36E-88	3,07E-85
ENSG00000140105	WARS	1,26E+14	2,12E+14	0,00E+00	0,00E+00
ENSG00000221963	APOL6	1,64E+14	2,12E+14	0,00E+00	0,00E+00
ENSG00000154451	GBP5	1,71E+13	2,08E+14	3,99E-75	2,52E-74
ENSG00000163568	AIM2	2,85E+14	1,79E+14	1,24E-67	6,46E-65
ENSG00000131142	CCL25	1,43E+14	1,60E+14	5,19E-37	1,89E-34
ENSG00000115415	STAT1	1,18E+14	1,56E+14	0,00E+00	0,00E+00
D1					
ENSG00000169245	CXCL10	3,33E+14	1,40E+14	6,34E-58	8,15E-55
ENSG00000140105	WARS	8,13E+14	1,31E+14	3,87E-239	2,98E-235
ENSG00000162654	GBP4	1,18E+14	1,23E+14	2,31E-103	8,92E-100
ENSG00000221963	APOL6	1,74E+14	9,60E-01	2,83E-79	7,28E-76
ENSG00000125347	IRF1	1,75E+14	9,29E-01	2,23E-58	3,43E-55
ENSG00000117228	GBP1	1,44E+14	8,73E-01	3,05E-53	3,36E-50
ENSG00000162645	GBP2	2,19E+14	7,62E-01	1,20E-41	1,16E-39
ENSG00000168394	TAP1	6,01E+14	7,26E-01	3,75E-73	7,23E-70
ENSG00000240065	PSMB9	1,81E+13	6,38E-01	4,04E-25	3,11E-22
ENSG00000025708	TYMP	4,35E+14	6,17E-01	4,74E-04	1,46E-01
D2					
ENSG00000162654	GBP4	8,22E+14	8,95E-01	3,60E-44	9,87E-41
ENSG00000154451	GBP5	6,44E+14	8,81E-01	3,92E-41	8,59E-36
ENSG00000117228	GBP1	1,60E+14	8,29E-01	6,43E-55	2,35E-51
ENSG00000140105	WARS	1,23E+14	7,71E-01	1,51E-118	1,66E-114
ENSG00000221963	APOL6	2,67E+14	7,67E-01	7,42E-65	4,06E-61
ENSG00000140511	HAPLN3	2,06E+14	7,48E-01	5,30E-14	5,28E-11
ENSG00000162645	GBP2	1,64E+14	7,11E-01	4,84E-35	7,57E-32
ENSG00000125347	IRF1	2,42E+14	6,29E-01	2,80E-38	5,12E-35
ENSG00000108679	LGALS3BP	1,31E+14	6,06E-01	3,46E-05	2,70E-02

ENSG00000168394	TAP1	6,51E+14	4,92E-01	1,98E-30	2,41E-27
D3					
ENSG00000140511	HAPLN3	2,45E+14	1,84E+14	1,27E-103	1,99E-100
ENSG00000154451	GBP5	1,18E+14	1,47E+14	8,16E-149	2,04E-145
ENSG00000138755	CXCL9	1,02E+13	1,46E+14	2,06E-60	2,34E-58
ENSG00000117228	GBP1	1,36E+14	1,43E+14	7,08E-138	1,48E-134
ENSG00000140105	WARS	1,22E+14	1,37E+14	0,00E+00	0,00E+00
ENSG00000221963	APOL6	2,91E+13	1,29E+14	3,15E-177	1,97E-173
ENSG00000125347	IRF1	2,53E+14	1,21E+14	1,42E-164	5,95E-161
ENSG00000162645	GBP2	1,98E+14	1,12E+14	3,93E-102	5,47E-99
ENSG00000169245	CXCL10	1,22E+14	1,03E+14	5,52E-23	4,32E-21
ENSG00000162654	GBP4	1,59E+14	1,36E+13	4,22E-158	1,32E-154
D4					
ENSG00000162654	GBP4	5,89E+14	1,43E+14	9,20E-118	1,80E-114
ENSG00000140105	WARS	1,11E+14	1,17E+14	0,00E+00	0,00E+00
ENSG00000125347	IRF1	1,47E+14	1,00E+14	1,24E-97	1,94E-94
ENSG00000221963	APOL6	1,69E+14	8,87E-01	1,91E-77	2,49E-74
ENSG00000117228	GBP1	1,17E+14	8,42E-01	8,47E-53	8,30E-50
ENSG00000168394	TAP1	4,89E+14	7,87E-01	8,43E-133	2,20E-129
ENSG00000162645	GBP2	1,32E+13	7,69E-01	1,83E-48	1,60E-45
ENSG00000115415	STAT1	1,24E+14	6,68E-01	2,94E-143	1,15E-139
ENSG00000004468	CD38	3,18E+14	6,46E-01	1,97E-09	6,45E-07
ENSG00000085449	WDFY1	1,43E+14	5,80E-01	1,39E-22	7,76E-20
N1					
ENSG00000274267	HIST1H3B	8,94E+14	1,37E-01	1,18E+06	3,84E+09
ENSG00000273983	HIST1H3G	6,38E+14	1,42E-01	9,78E+05	1,59E-04
ENSG00000277775	HIST1H3F	7,31E+14	1,30E-01	2,00E+08	2,18E-03
ENSG00000278272	HIST1H3C	4,15E+14	1,35E-01	8,52E+08	6,94E-03

ENSG00000213741	RPS29	7,77E+14	1,18E-01	3,36E+09	2,19E-02
ENSG00000167526	RPL13	1,53E+14	1,07E-01	6,28E+09	3,41E-02
ENSG00000278828	HIST1H3H	6,98E+14	1,04E-01	1,69E-04	6,11E-02
ENSG00000051523	CYBA	2,23E+14	1,24E-01	2,06E-04	6,72E-02
ENSG00000197409	HIST1H3D	4,07E+14	1,05E-01	2,67E-04	7,24E-02
N2					
0 genes					
N3					
ENSG00000256618	MTRNR2L1	8,68E+14	1,62E-01	8,04E+07	2,62E-04
ENSG00000202058	RN7SKP80	4,28E+14	1,61E-01	6,95E+09	8,71E-03
ENSG00000211677	IGLC2	3,57E+14	1,58E-01	1,23E-04	1,39E-02
ENSG00000128016	ZFP36	1,97E+14	1,50E-01	4,85E-04	2,87E-02
ENSG00000090104	RGS1	4,20E+14	1,46E-01	1,75E-04	1,68E-02
ENSG00000133275	CSNK1G2	1,14E+13	1,43E-01	1,53E-03	6,31E-02
ENSG00000255823	MTRNR2L8	1,44E+14	1,39E-01	4,75E+09	6,19E-03
ENSG00000051523	CYBA	2,73E+13	1,36E-01	4,34E-04	2,74E-02
ENSG00000168264	IRF2BP2	2,87E+14	1,34E-01	2,73E-04	2,34E-02
ENSG00000253522	CTC-231O11.1	1,82E+14	1,32E-01	1,45E-03	6,31E-02
N4					
ENSG00000197409	HIST1H3D	4,15E+14	1,77E-01	7,09E+08	3,48E-02
ENSG00000275379	HIST1H3I	1,71E+13	1,90E-01	2,60E+08	5,14E-02
ENSG00000278828	HIST1H3H	5,40E+14	1,56E-01	5,56E+09	6,81E-02
ENSG00000277775	HIST1H3F	5,29E+14	1,44E-01	9,06E+09	7,41E-02
ENSG00000276903	HIST1H2AL	2,22E+14	1,70E-01	1,16E-04	8,16E-02
N5					
ENSG00000129003	VPS13C	4,43E+14	1,76E-01	2,72E+08	3,99E-03
ENSG00000138398	PPIG	1,40E+14	1,94E-01	9,99E+07	1,06E-02
ENSG00000100342	APOL1	8,37E+14	1,83E-01	6,80E+09	4,33E-02

ENSG00000107581	EIF3A	5,80E+14	1,36E-01	1,25E-04	5,97E-02
ENSG00000117500	TMED5	2,24E+14	1,45E-01	1,43E-04	5,97E-02
ENSG00000122257	RBBP6	2,07E+14	1,51E-01	1,25E-04	5,97E-02
ENSG00000139116	KIF21A	8,81E+14	1,73E-01	1,39E-04	5,97E-02
ENSG00000135535	CD164	5,05E+14	1,44E-01	1,62E-04	6,06E-02
ENSG00000100836	PABPN1	7,42E+14	1,73E-01	2,29E-04	7,18E-02
N6					
ENSG00000233762	AC007969.5	9,82E+14	2,50E-01	2,96E+07	5,64E+09
ENSG00000200795	RNU4-1	1,03E+14	2,39E-01	2,98E+09	1,80E-03
ENSG00000212232	SNORD17	3,81E+14	2,23E-01	6,03E+02	5,93E+06
ENSG00000275379	<u>HIST1H3I</u>	1,44E+14	2,21E-01	1,05E+08	1,31E-04
ENSG00000197409	HIST1H3D	3,73E+14	2,17E-01	7,27E+03	5,93E+06
ENSG00000252010	SCARNA5	1,33E+13	2,08E-01	1,25E+09	1,10E-03
ENSG00000255633	MTRNR2L9	1,19E+14	2,05E-01	6,72E-02	2,19E+02
ENSG00000227097	RPS28P7	2,76E+14	2,05E-01	5,96E+05	1,94E+09
ENSG00000108107	RPL28	4,40E+14	1,97E-01	6,42E+05	4,19E+08
ENSG00000270672	MTRNR2L6	5,78E+14	1,91E-01	2,17E-04	8,61E-03