

Supplemental Table 4– Top 10 most abundant expressed transcripts upon IFN- γ treatment *in vitro*

Target ID	Transcript	p-value	Mean Obs	Technical Variance	Final SD σ (Sigma) Sq
C1					
ENST00000409652	APOL6-001	2,47E-211	786.274.056.203.251	0.00048594583057925 5	0.00150001881312397
ENST00000370473	GBP1-001	2,30E-200	696.076.869.800.727	0.00142854766094091	0.00200927037540136
ENST00000432676	UBD-001	7,09E-191	612.199.790.810.136	0.00577781115646841	0.00316452445008396
ENST00000358655	WARS-004	4,02E-174	865.366.605.893.861	0.00261026678259432	0.00144147246583121
ENST00000370466	GBP2-002	1,63E-149	655.602.517.310.412	0.00252879507454823	0.00246153589456306
ENST00000355754	GBP4-001	4,05E-147	719.548.324.263.814	0.00103705184764918	0.00182007399640909
ENST00000354258	TAP1-001	4,00E-88	68.753.215.353.452	0.00027120502787946 6	0.00209039769333331
ENST00000383235	TAP1-001	4,00E-88	68.753.215.353.452	0.00027120502787946 6	0.00209039769333331
ENST00000414467	TAP1-001	4,00E-88	68.753.215.353.452	0.00027120502787946 6	0.00209039769333331
ENST00000418205	TAP1-001	4,00E-88	68.753.215.353.452	0.00027120502787946 6	0.00209039769333331
C2					
ENST00000355754	GBP4-001	1,38E-170	699.348.966.948.673	0.00115506574616537	0.0011276566788513
ENST00000370466	GBP2-002	2,02E-150	708.761.258.684.099	0.00105544289279574	0.00105899007653538
ENST00000370473	GBP1-001	3,83E-127	700.507.964.257.049	0.00095741508521073 3	0.00111882135356246
ENST00000409652	APOL6-001	2,88E-110	754.828.312.996.642	0.00058613298335289 4	0.000809124664595632
ENST00000358655	WARS-004	1,24E-89	798.146.597.947.958	0.00495326348921036	0.000672358017553688
ENST00000361099	STAT1-001	3,53E-71	906.051.231.959.164	0.00033223968455769 1	0.000740351802899365
ENST00000236147	SELL-001	1,27E-54	668.603.330.204.392	0.00177897521878494	0.00140645091554337
ENST00000472045	IRF1-006	2,21E-37	635.150.203.225.157	0.00270603996849108	0.0018305992967021
ENST00000392322	STAT1-003	3,15E-39	796.620.254.267.135	0.00153272692112248	0.00167086952434884
ENST00000379982	RHOBTB3-001	1,91E-36	681.144.453.207.399	0.00126139519313697	0.00128173759615091

C3					
ENST00000409652	APOL6-001	3,39E-182	803.509.513.257.216	0.00039355791468927 8	0.00137043775584674
ENST00000370473	GBP1-001	4,27E-177	722.358.879.820.408	0.00094050565264298 7	0.0013392438952881
ENST00000370466	GBP2-002	9,80E-100	686.268.374.650.986	0.0014349493568959	0.00163178888416445
ENST00000355754	GBP4-001	1,86E-74	762.329.789.808.398	0.00063178311006654 4	0.00113059495943011
ENST00000472045	IRF1-006	3,99E-53	662.945.916.092.617	0.00174387788022089	0.00189017381225653
ENST00000554772	WARS-017	1,75E-45	263.163.995.029.839	0.0240711657581189	0.231069510476259
ENST00000233055	WDFY1-001	1,60E-42	726.446.522.466.065	0.00077494945419680 5	0.00131293691421011
ENST00000358655	WARS-004	3,31E-36	800.443.935.206.198	0.00453487674379911	0.00281453028759277
ENST00000354258	TAP1-001	1,49E-28	694.269.126.154.593	0.00025563487548401 8	0.00253348309094412
ENST00000383235	TAP1-001	1,49E-28	694.269.126.154.593	0.00025563487548401 8	0.00253348309094412
C4					
ENST00000370473	GBP1-001	1,28E-164	665.388.251.476.537	0.00163052720265723	0.00173059937207567
ENST00000355754	GBP4-001	2,42E-155	741.689.357.745.985	0.00058782835239236	0.00113693609481963
ENST00000370466	GBP2-002	1,54E-154	681.637.363.968.476	0.00150545325394492	0.00155738760582201
ENST00000409652	APOL6-001	1,80E-154	737.698.431.288.591	0.00071429868584626 5	0.00115621967988161
ENST00000361099	STAT1-001	1,46E-101	866.954.173.275.254	0.00043271176589544 1	0.000956342525304736
ENST00000354258	TAP1-001	1,25E-77	658.663.118.418.997	0.00025868971260943 1	0.00181175034797581
ENST00000383235	TAP1-001	1,25E-77	658.663.118.418.997	0.00025868971260943 1	0.00181175034797581
ENST00000414467	TAP1-001	1,25E-77	658.663.118.418.997	0.00025868971260943 1	0.00181175034797581
ENST00000418205	TAP1-001	1,25E-77	658.663.118.418.997	0.00025868971260943 1	0.00181175034797581
ENST00000424897	TAP1-001	1,25E-77	658.663.118.418.997	0.00025868971260943 1	0.00181175034797581
C5					

ENST00000409652	APOL6-001	1,21E-251	729.487.511.975.044	0.00076348047358681 6	0.00140799313642675
ENST00000361099	STAT1-001	5,38E-223	868.922.713.207.773	0.00063345339463262 8	0.00108542654997727
ENST00000355754	GBP4-001	9,82E-196	681.817.445.987.923	0.00114933090955235	0.00179723884257544
ENST00000370466	GBP2-002	9,46E-188	562.275.390.039.616	0.00754254410136648	0.0039198285742143
ENST00000370473	GBP1-001	1,15E-175	574.164.780.617.069	0.00519699116017968	0.0036477725034654
ENST00000354258	TAP1-001	2,09E-126	6.674.293.922.271	0.00026172133938481 8	0.00195830638308137
ENST00000383235	TAP1-001	2,09E-126	6.674.293.922.271	0.00026172133938481 8	0.00195830638308137
ENST00000414467	TAP1-001	2,09E-126	6.674.293.922.271	0.00026172133938481 8	0.00195830638308137
ENST00000418205	TAP1-001	2,09E-126	6.674.293.922.271	0.00026172133938481 8	0.00195830638308137
ENST00000424897	TAP1-001	2,09E-126	6.674.293.922.271	0.00026172133938481 8	0.00195830638308137
D1					
ENST00000383547	UBD-001	4,86E-90	597.566.215.872.691	0.00424451803707273	0.00648173416444172
ENST00000264888	CXCL9-001	1,77E-89	451.602.769.172.242	0.0373542414730597	0.011746103299601
ENST00000355754	GBP4-001	6,58E-63	709.402.495.978.207	0.00094759013319756 5	0.00209206364312783
ENST00000306602	CXCL10-001	1,88E-48	556.169.694.963.461	0.00510824246769279	0.00494185645660181
ENST00000409652	APOL6-001	4,00E-42	749.421.352.671.177	0.00060586474690791 9	0.00181007218244427
ENST00000392882	WARS-001	6,91E-42	81.254.647.596.927	0.00357820208101786	0.00160898197819638
ENST00000370473	GBP1-001	4,53E-39	71.720.967.981.151	0.00092974362145387 7	0.00202583720015002
ENST00000358655	WARS-004	3,27E-24	782.961.300.440.485	0.00610056679385819	0.00471482790646764
ENST00000354258	TAP1-001	1,72E-23	68.337.763.145.972	0.00019933416158781 1	0.00235863366610451
ENST00000383235	TAP1-001	1,72E-23	68.337.763.145.972	0.00019933416158781 1	0.00235863366610451
D2					
ENST00000383547	UBD-001	6,64E-92	63.096.261.076.714	0.00240525476014319	0.00257579798168468

ENST00000409652	APOL6-001	1,11E-45	784.879.214.153.607	0.00043128069000150 7	0.00124295270619052
ENST00000355754	GBP4-001	4,67E-31	685.135.710.145.291	0.00118948916893589	0.00184085886792667
ENST00000370473	GBP1-001	9,84E-30	72.293.055.327.383	0.00069313182507938 3	0.00281985676610293
ENST00000370466	GBP2-002	3,99E-10	720.892.153.269.839	0.00078723200266175 6	0.00369338016306297
ENST00000370459	GBP5-001	3,60E-09	554.885.574.622.626	0.00550579413462458	0.00430416059709272
ENST00000392882	WARS-001	9,23E-08	840.443.491.989.152	0.00271991385798104	0.00117101131165993
ENST00000354258	TAP1-001	1,83E-07	688.994.552.643.227	0.00017626591740427 1	0.00180244122445603
ENST00000383235	TAP1-001	1,83E-07	688.994.552.643.227	0.00017626591740427 1	0.00180244122445603
ENST00000414467	TAP1-001	1,83E-07	688.994.552.643.227	0.00017626591740427 1	0.00180244122445603
D3					
ENST00000409652	APOL6-001	5,93E-150	793.101.934.289.337	0.00036027427863420 6	0.00126889234700391
ENST00000370473	GBP1-001	1,02E-142	699.053.482.352.537	0.00088304697459008 9	0.00184252064624349
ENST00000355754	GBP4-001	5,41E-102	739.431.750.592.011	0.00068215575413127 9	0.00152267842375414
ENST00000370466	GBP2-002	1,26E-88	740.048.427.318.062	0.00074358372196226 6	0.00151875755174662
ENST00000392882	WARS-001	3,52E-65	837.816.004.053.505	0.00266914517177068	0.00117027907463301
ENST00000354258	TAP1-001	8,47E-63	696.381.394.720.445	0.00019876375047584 6	0.00186858160250244
ENST00000383235	TAP1-001	8,47E-63	696.381.394.720.445	0.00019876375047584 6	0.00186858160250244
ENST00000414467	TAP1-001	8,47E-63	696.381.394.720.445	0.00019876375047584 6	0.00186858160250244
ENST00000418205	TAP1-001	8,47E-63	696.381.394.720.445	0.00019876375047584 6	0.00186858160250244
ENST00000424897	TAP1-001	8,47E-63	696.381.394.720.445	0.00019876375047584 6	0.00186858160250244
D4					
ENST00000355754	GBP4-001	3,63E-83	645.325.226.723.031	0.00192363842282313	0.00158634917586591

ENST00000409652	APOL6-001	1,16E-76	742.301.646.028.655	0.00058076301573623 4	0.000861597752950973
ENST00000370473	GBP1-001	7,34E-57	6.894.672.974.079	0.00092143523629919 2	0.00115512611496235
ENST00000370466	GBP2-002	5,50E-48	69.623.594.392.248	0.00098301587470791 7	0.00110614905896271
ENST00000354258	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
ENST00000383235	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
ENST00000414467	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
ENST00000418205	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
ENST00000424897	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
ENST00000440894	TAP1-001	6,20E-45	657.013.045.138.733	0.00029023028817848	0.0014507232861631
N1					
ENST00000369158	HIST2H3C-001	5,00E+06	835.263.209.812.554	0.00012669558399296 6	0.000585207695145063
ENST00000403683	HIST2H3A-001	5,00E+06	835.263.209.812.554	0.00012669558399296 6	0.000585207695145063
ENST00000614378	HIST1H3G-001	4,84E+07	87.468.597.730.417	0.00014298081695474 8	0.00057484242539117
ENST00000470729	ANKRD30BL-002	8,10E+07	611.324.536.711.555	0.0020710217231923	0.00226864049713336
ENST00000621411	HIST1H3B-001	1,94E+08	907.728.868.215.613	0.00013148848624165 9	0.000601786292422359
ENST00000426248	PKP4-003	1,04E+09	213.007.973.263.328	132.244.741.820.693	0.492950866174374
ENST00000625842	VPS8-027	1,08E+09	181.189.630.734.675	122.685.356.695.624	0.71675417204608
ENST00000359611	HIST1H2AM-001	2,70E+08	81.020.661.101.508	0.00030616767188954 3	0.000616312790413495
ENST00000355057	HIST1H4J-001	3,65E+09	950.491.134.096.977	6,66E+09	0.000691401313266216
ENST00000398208	WDR4-001	3,34E+09	172.589.538.228.197	125.423.863.062.181	0.785216536916319
N2					
ENST00000443632	HIC2-001	2,79E+08	181.543.186.314.928	0.9284835510963	0.7912519169242
ENST00000615479	RPL17-025	3,07E+08	213.519.253.375.337	157.533.267.721.072	0.570300575661044
ENST00000000233	ARF5-001	0.9062184 78690658	609.134.455.648.725	0.00446397643708737	0.0328000122898146

ENST00000000412	M6PR-001	0.2896577 31012856	717.449.151.337.589	0.00698054365422691	0.00197909797068523
ENST00000000442	ESRRA-002	0.5299244 46399801	541.546.878.136.441	0.127719457796855	0.00473878721535213
ENST00000001008	FKBP4-001	0.9789691 42737799	680.881.716.113.208	0.00122336613316713	0.00226276418769948
ENST00000002125	NDUFAF7-001	0.4056640 01298275	448.616.597.558.558	0.165819424605375	0.0115284336496682
ENST00000002165	FUCA2-001	0.8753297 32038193	601.438.449.358.444	0.00262939251147847	0.00719408571723918
ENST00000002501	DBNDD1-001	0.4935272 92294963	10.249.776.025.938	114.042.126.554.936	282.534.377.984.394
ENST00000002596	HS3ST1-001	0.9432594 4575602	498.252.656.908.397	0.00664840141576874	0.00949392600611162
N3					
ENST00000216281	HSP90AA1-002	2,22E+03	842.316.937.105.889	0.00028562027287274 3	0.00131067316762986
ENST00000040738	BOD1L1-001	2,39E+04	754.158.593.009.051	0.00066267961130350 3	0.00111040024118354
ENST00000616533	ZFAND6-202	1,17E+06	228.930.085.527.261	12.509.306.529.033	0.387733271140044
ENST00000409196	GIGYF2-003	6,11E+06	201.613.424.746.263	0.946574466346331	0.555056177835545
ENST00000216832	PNN-001	1,11E+07	717.992.371.717.817	0.00083502135141632 5	0.00133002663183435
ENST00000356674	HNRNPA2B1-002	2,09E+07	759.222.924.906.434	0.00085771894690745 9	0.00726734675193396
ENST00000244815	LRRFIP1-001	3,08E+07	691.280.718.627.652	0.00421372354550652	0.001558584132068
ENST00000322723	NCL-001	1,87E+08	854.793.970.086.223	0.00037791134091752 1	0.003099531828661
ENST00000594001	NAPA-002	2,24E+08	16.826.888.002.871	0.672958168645015	0.816131793426792
ENST00000477256	EIF3L-004	1,05E+08	798.942.149.123.906	0.00290507087839699	0.00167888652658568
N4					
ENST00000470729	ANKRD30BL-002	1,55E+08	505.777.326.196.031	0.00659460148551533	0.00570257155798564
ENST00000000233	ARF5-001	0.7261976 55397563	640.709.385.780.118	0.00320090465431368	0.00229495241934398
ENST00000000412	M6PR-001	0.3387391 38762241	73.293.027.976.412	0.00537608375025703	0.00147692381998447

ENST00000000442	ESRRA-002	0.8819743 86228288	547.235.493.517.806	0.0408638097394949	0.00415236112393596
ENST00000001008	FKBP4-001	0.1910151 61429283	679.172.822.584.701	0.00116755705295713	0.00184462889382645
ENST00000002125	NDUFAF7-001	0.1636175 60646626	491.465.924.291.449	0.0365234386609319	0.00657682386624598
ENST00000002165	FUCA2-001	0.4055220 12220478	575.822.451.722.187	0.00289507209766224	0.00349588849092332
ENST00000002501	DBNDD1-001	0.4501271 85788172	347.617.021.615.927	147.595.230.611.161	191.613.709.241.229
ENST00000002596	HS3ST1-001	0.7983114 41419255	311.264.081.109.512	0.0443874048728591	0.105028605679519
ENST00000003100	CYP51A1-001	0.4287141 63922679	809.293.028.316.496	0.00052304840320551 7	0.00131580292232965
N5					
ENST00000392882	WARS-001	3,14E+07	800.401.233.659.193	0.00431353160996303	0.00123752047031971
ENST00000446294	NREP-005	1,03E+08	164.933.217.379.398	0.556188451239202	0.823457598979597
ENST00000347519	CHMP4A-001	3,19E+08	177.983.366.282.996	0.981636180186656	0.709270466564632
ENST00000393785	ZBTB20-201	1,23E+09	193.097.982.845.879	157.056.709.734.203	0.59050879162828
ENST00000510231	RP11-777B9.5-001	1,85E+09	108.757.539.399.852	2,60E+09	0.00309692109404656
ENST00000604952	MTRNR2L6-001	2,69E+09	107.426.057.317.174	2,21E+09	0.00282152705231344
ENST00000615544	ACTG1-201	2,25E+09	755.715.375.530.782	0.00531289226709686	0.00778482630752147
ENST00000617677	EIF5B-201	2,53E+09	616.945.888.869.915	0.0104914153413111	0.00281002051684238
ENST00000216727	PABPN1-001	3,38E+09	693.806.453.661.865	0.00216497018385821	0.00178468506859369
ENST00000617731	RPS17-001	5,84E+09	941.350.810.421.702	0.00039007666211977 5	0.00159466503444723
N6					
ENST00000356476	HIST1H3D-001	7,23E+01	820.425.804.014.341	0.00027351757384543 5	0.000720191172056452
ENST00000399974	MTRNR2L4-001	1,04E+01	768.890.700.250.457	0.00044485534124267 7	0.000818746059875927
ENST00000578186	HIST2H4A-004	3,85E+01	888.038.275.696.873	0.00012933191189947 5	0.000743161860666847

ENST00000359611	HIST1H2AM-001	3,56E+05	803.029.518.026.061	0.00029095287154794 3	0.000741440269516034
ENST00000610020	RPAP2-001	5,63E+05	814.150.051.234.126	0.00032033449915385	0.000726535405374731
ENST00000555870	MIPOL1-004	8,09E+05	791.528.689.445.217	0.00041790184078384 6	0.000761965696258191
ENST00000398606	GSTP1-001	2,08E+06	844.519.986.328.682	0.00022197501387926 8	0.000709227508241445
ENST00000545075	MTRNR2L10-001	1,70E+06	71.354.386.922.102	0.00079139311994241 3	0.00107045855368804
ENST00000566753	BLOC1S6-002	1,98E+06	794.064.672.515.874	0.00061801709517449 4	0.000756979712225691
ENST00000586501	KIAA1328-007	1,52E+06	799.467.916.243.149	0.00038306186773764 2	0.000747229362178993