

Table S2. Expression data for 43 IFN signature genes. Stars indicate juvenile DM patients.

Probe set	Entrez	Gene	Title	Gene Syml	Ctrl 1	Ctrl 2	Ctrl 3	Ctrl 4	Ctrl 5	Ctrl 6	Ctrl 7	Ctrl 8	Ctrl 9
221680_s_	51513	ets variant	ETV7		919.84	941.41	1618.98	1262.69	1402.36	1334.83	1376.97	1107.42	1335.81
214329_x_	AW474434	---		AW474434	4066.03	1663.92	1244.83	4733.91	2544.64	8364.63	5503.47	6515.59	2155.11
221766_s_	55603	family with	FAM46A		10501.15	7766.24	5521	7625.17	10342.07	8664.17	10830.69	9302.63	12427.37
219691_at	54809	sterile alph	SAMD9		1085.13	1278.2	1527.49	1186.92	827.27	1068.88	1262.9	1842.01	715
218085_at	51510	SNF7 dom	SNF7DC2		2742.99	862.15	1453.91	4738.11	999.59	3269.54	1029.9	2060.7	1030.31
231577_s_	2633	guanylate t	GBP1		4238.92	7332.5	7242.69	8015.43	3645.73	5669.82	10495.38	8319.22	3412.7
202863_at	6672	Nuclear an	SP100		4466.86	3728.72	2608.42	4640.83	3386.85	4676.29	4830.82	5005.99	1452.16
202687_s_	8743	tumor necr	TNFSF10		17762.05	11760.67	24113.1	24158.16	21916.23	28034.55	22315.92	27118.94	24441.93
200887_s_	6772	signal trans	STAT1		12923.12	21487.84	12968.12	22274.1	10193.08	17853.51	26930.19	26063.08	9236.59
204211_x_	5610	eukaryotic	EIF2AK2		1665.16	1836.92	3622.71	2910.64	1376.96	2035.78	2659.79	3899.16	3581.66
212185_x_	NM_00595	---		NM_00595	6434.2	17291.82	12823.56	5489.84	14400.51	11891.81	13450.29	14035.5	8647.75
44673_at	6614	Sialoadhes	SN		1488.59	944.62	1947.86	1127.24	1360.52	1269.92	1696.35	4867.87	2076.01
212657_s_	3557	interleukin	IL1RN		5784.42	8262.86	7210.76	8320.54	18142.01	15221.36	12581.75	14800.98	8528.55
204994_at	4600	myxovirus	MX2		13101.63	19355.16	22606.1	16922.86	21160.44	22030.94	22876.18	23778.23	19227.86
219684_at	64108	28kD interf	IFRG28		2350.29	1529.8	1733.55	2593.84	2155.64	1824.47	2198.1	3051.13	320.84
219211_at	11274	ubiquitin s	USP18		937.47	1320.09	281.8	194.69	1273.54	748.15	1022.98	2152.47	351.58
218543_s_	64761	zinc finger	ZC3HDC1		10388.96	7641.5	7760.69	10870.54	8227.64	8288.13	9330.08	12084.62	6812.33
203153_at	3434	interferon-i	IFIT1		217.89	1998.85	4610.28	4047.5	1842.4	4997.73	4682.63	30833.97	336.77
208436_s_	3665	interferon r	IRF7		9248.28	10189.94	12219.01	10445.46	9913.71	10223.7	11926	16629.38	10041.61
205660_at	8638	2'-5'-oligoa	OASL		2596.95	4657.76	2517.27	2532.03	3605.88	3640.63	3056.06	11967.02	6202.36
219863_at	51191	hect domai	HERC5		1595.09	2012.56	2699.38	3639.95	1866.06	4486.76	2969.12	11062.77	3625.16
204972_at	4939	2'-5'-oligoa	OAS2		4407.88	7965.7	5732.94	4445.17	6943.91	5702.85	6965.94	19408.15	2839.87
218400_at	4940	2'-5'-oligoa	OAS3		2464.02	3526.83	2409.44	3517.95	3021.41	4360.99	4395.97	16064.88	2095.41
213797_at	91543	radical S-a	RSAD2		1733.37	1134.83	1862.41	2254.33	1478.56	3579.26	1782.11	18777.81	1414.72
204747_at	3437	interferon-i	IFIT3		4802.05	7884.07	9832.28	11765.91	7814.32	13021.31	10474.15	27372.23	10055.98
204439_at	10964	interferon-i	IFI44L		1332.95	969.31	1230.65	2436.35	1454.54	2360.72	823.38	25484.76	1969.83
206133_at	54739	XIAP asso	HSXIAPAF		1405.49	2677.32	2159.21	1819.06	1801.35	1446.06	1789.71	5489.8	2325.75
205483_s_	9636	interferon,	G1P2		6594.78	10262.78	17017.76	10563.06	12541.89	11177.63	10531.6	39986.62	15194.66
204415_at	2537	interferon,	G1P3		3914.79	3298.54	6281.34	5572.9	5819.69	8149.89	4041.23	17770.03	7606.04
202145_at	4061	lymphocyte	LY6E		3512.4	5963.75	3741.67	1908.27	4909.56	3737.37	5220.15	27443.61	6071.49
202086_at	4599	myxovirus	MX1		5681.05	7756.79	11816.1	7701.73	7856.83	12682.25	7610.55	34047.88	13927.47
202869_at	4938	2',5'-oligoa	OAS1		3656.48	4508.21	3884.82	4551.08	2726.59	5492.79	5890.24	24735.35	2635.32
217502_at	3433	interferon-i	IFIT2		1089.17	2320.5	5036.01	1847.66	2481.5	2834.36	3824.45	12007.08	2932.51
213293_s_	10346	tripartite m	TRIM22		14870.57	19330.11	14046.49	17248.79	10426.28	14541.52	23878.29	34794.69	5308.72
203595_s_	24138	interferon-i	IFIT5		1593.86	1654.5	1017.25	3631.79	621.12	3890.13	2262.39	4026.54	433.76

214059_at	10561 Interferon- γ IFI44	569.7	1005.28	425.28	895.59	310.82	1219.77	703.99	2745.31	256.21
202430_s_	5359 phospholip PLSCR1	2267.49	1907.84	1279.87	2070.07	1139.25	2937.88	2281.21	6025.2	354.59
206332_s_	3428 interferon, γ IFI16	14713.51	21279.49	12923.3	18273.8	18417.09	18887.44	29630.95	35934.34	9051.95
242020_s_	81030 Z-DNA bind ZBP1	562.28	1481.44	1290.28	673.03	1039.71	959.69	856.07	1652.75	244.79
205569_at	27074 lysosomal LAMP3	528.95	424.15	328.57	582.76	671.1	732.37	521.61	1231.01	1037.01
210705_s_	85363 tripartite motif TRIM5	1458.33	1405.16	922.93	1517.79	1311.73	2100.96	1977.88	3003.43	929.14
221816_s_	51131 PHD finger PHF11	12687.67	11783.94	8847.17	13772.47	13051.34	14389.6	12417.92	20612.95	5761.41
219062_s_	54877 zinc finger, ZCCHC2	1261.32	1550.28	1288.92	1454.52	1337.06	1454.56	2030.43	4576.48	1112.48

Ctrl 10	Ctrl 11	Ctrl 12	Ctrl 13	Ctrl 14	Ctrl 15	Myo 1*	Myo 2	Myo 3	Myo 4*	Myo 5	Myo 6	Myo 7
817.85	1049.29	794.71	686.26	733.68	718.89	1319.29	410.33	1508.8	381.41	2880.29	5782.2	951.1
5616.8	8546.95	1815.32	4663.72	4269.39	6408.4	4812.92	10466.85	1362.79	2607.85	4319.62	15499.06	3422.47
6315.06	6357.1	6113.11	12930	5896.9	6809.97	16238.01	9227.02	13501.27	6298.59	8871.2	28528.84	11655.27
1646.42	2118.76	1945.9	1530.8	1693.58	2021.76	2856.82	1273.28	437.55	1608.92	2087.27	4150.75	1702.39
4377.36	4706.69	2311.76	2246.52	2056.48	3265.46	4640.61	3065.47	1348.9	2281.93	2396.06	4790.55	2175.35
6471.48	9805.98	4295.56	9855.21	5243.6	4573.26	12258.71	9007.09	6331.83	4553.33	19658.21	41919.89	10407.7
5549.1	5505.53	4261.71	6368.4	3140.56	3579.97	9146.2	4975.93	2944.6	4355.7	4575.31	10030.32	4996.17
26198.12	28812.9	16388.11	8115.37	14164.78	25680.82	41501.34	13859.97	20863.55	15391.43	36644.61	96898.06	40250.42
19160.52	33170.09	21110.89	32483.76	23481.67	22598.82	68793.7	25054.84	10767.24	15651.03	35030.19	60958.47	26442.83
2114.63	2691.91	1936.02	1625.45	1563.73	1947.31	5195.9	2376.52	10398.51	1946.27	3844.48	12934.73	6005.39
4671.92	11700.86	17349.9	19817.33	8235.79	15463.66	59819.12	19090.26	69053.33	17161.77	27685.83	218758.3	71162.27
965.51	854.89	382.15	938.6	696.3	1004.93	14376.73	1234.84	20155.45	573.01	1380.44	28844.44	7302.98
10027.49	11764.79	7772.35	7502.92	11306.65	18236.84	16427.62	12129.22	36859.54	13191.32	23322.65	69681.06	26410.19
13147.67	19489.11	16809.65	13152.42	14485.79	19875.89	45300.88	11664.95	67044.86	22954.06	37163.9	90035.81	32199.35
2640.98	2851.65	2252.09	3579.26	1663.85	1812.59	5274.46	2347.97	4491.39	1738.87	4461.07	27268.61	8654.16
547.96	987.45	1248.11	796.84	709.97	685.46	4775.01	1089.35	1958.54	567	726.31	18086.69	4125.48
7613.86	9811.35	6698.3	9987.73	7310.42	6576.03	51146.3	8808.77	24660.85	8416.77	13226.84	54493.52	27790.13
4622.32	13202.39	1693.29	5946.74	1573.91	2046.7	48673.34	1421.54	17787.24	2701.49	18603.47	115648.9	37530.26
7813.17	11315.85	6092.56	7523.42	9447.17	10113.42	46663.48	7179.16	83955.75	11799.7	21458.78	120378.9	28700.93
2739.34	3812.44	2566.53	1854.83	2887.05	1721.31	25780.99	4060.89	50947.04	3542.32	11855.92	88106.62	26787.54
3315.48	5310.9	2395.25	4080.18	2602.11	2122.65	31330.11	2832.74	15546.05	2168.84	8732.77	66160.2	21685.04
4667.42	8999.83	7524.91	10957.6	6303.15	5319.22	17464.13	6288.91	18456.48	3394.72	9631.12	81796.2	26763.08
3194.89	4919.8	2951.7	6226.61	3431.47	2505.33	16708.17	2757.81	6315.61	1893.04	8491.89	43610.82	10411.23
1652.82	4512.29	1744.78	3307.75	1177.97	1272.64	20681.22	1893.62	7394.11	1110.16	11835.05	105847.2	18702.3
7113.73	12721.67	5787.39	6507.98	6203.75	8584.05	58501.89	6281.56	79471.63	8476.94	37491.44	180267.6	47940.35
1829.01	5542.78	636.33	2956.51	1032.49	733.22	81654.73	1670.16	72600.64	1467.91	9546.95	127164.7	49374.67
2804.1	2629.29	1984.48	904.85	874.01	1310.26	4270.14	929.66	2133.42	1071.12	2062.79	12771.78	3263.55
7115.8	16657.81	5871.58	11186.44	5715.22	8330.18	168306.1	8636.89	269761.8	11568.32	39049.97	362782.1	142839.7
3810.94	7602.15	2743.36	2998.39	1985.36	2604.59	53179.02	2501.44	81115.93	4240.21	19158.05	84148.29	32961.49
3167.15	5847.14	3641.45	3126.23	3665.88	2110.19	49981.89	2859.07	130441.3	4064.82	8819.71	125338.4	42597.57
7231.94	11107.94	7673.41	17762.27	6589.09	7624.35	66114.92	4376.26	142337.9	6805.17	38380.78	187686	89145.2
6538.94	10404.84	4256.04	5874.94	7642.54	2940.33	39405.48	3419.62	47071.83	2180.24	6924.69	157724.6	22262.38
2528.42	3386.1	1711.65	1451	2435.85	3195.74	4501.87	3562.65	6828.12	2300.67	6355.62	34617.22	6318
20444.95	31001.6	18243.47	25602.81	18952.21	20319.69	35373.41	25867.31	7260.97	17497.09	27594.15	61121.18	27315.95
2799.51	2906.4	1256.1	1979.38	2101.58	1425.35	8833.65	3836.22	3894.64	2492.03	4520.9	13032.25	4708.23

469.29	2174.56	723.99	2367.36	897.92	356.17	15376.2	1086.27	2017.58	366.15	2642.7	27736.7	6074.97
2116.72	6198.4	1390.06	2191.02	3500.01	4146.46	3326.85	3451.5	1185.02	2429.43	5265.74	11196.34	3525.46
23181.6	27333.52	24675.13	29669.69	25718.19	23077.15	22715.97	14127.39	13803.07	24128.79	35201.01	48300.18	25438.57
945.76	1402.08	1169.45	435.94	919.14	919.13	1433.46	789.48	2253.99	452.16	2031.41	7249.7	2305.58
425.47	679.86	467.75	580.14	397.44	271.89	4792.61	343.13	894.91	483.56	1001.47	8750.17	2450.44
2599.97	1417.13	1928.95	3103.16	1907.98	1805.75	1862.12	1999.9	1083.97	1131.94	2319.96	5588.57	2123.71
13529.95	18221.35	13968.83	17726.58	13844.93	13112.03	46111.17	12668.57	13234.19	21168.95	16798.76	53290.35	22138.12
2042.8	2639	3109.21	4352.11	1883.95	1378.93	3504.85	2407.39	1856.96	1589.12	4463.7	7056.02	4440.53

Myo 8	Myo 9	Myo 10	Myo 11	Myo 12
1957.36	772.8	2997.04	1210.2	2298.72
9548.99	3844.93	18258.79	7203.49	11381.52
14593.02	9465.54	26152.51	11315.47	21360.49
3417.25	2976.03	7105.96	2732.17	4995.97
4734.43	2095.45	8037.9	2400.76	7862.9
9395.58	7284.63	21230.39	11599.65	15903.47
5086.46	5112.19	12936.78	6511.7	9088.07
42957.92	21408.44	87898.31	21923.92	60124.82
39537.88	40932.45	76198.53	38236.55	41270.53
5744.12	3900.53	8525.4	2974.48	5574.76
37166.95	31111.75	145881.2	22751.71	84300.34
4481.92	2104.33	20648.5	2701.23	12285.04
22379.07	11551.83	46804.99	20450.76	40582.67
46064.36	20774.6	81126.38	34067.98	48074.95
7090.29	5659.85	20280.51	4187.9	11743.53
3263.54	2745.22	13461.92	2732.62	7161.58
25600.39	12752.8	52039.11	18163.18	30822.83
62841.16	21962.2	135352.2	46193.96	89037.55
33334	15915.61	71004.66	18748.77	47788.53
23754.25	7667.4	56822.47	16488.58	45178.91
37553.64	9736.72	67797.46	18547.19	49020.53
20931.05	8677.89	45715.35	18434.35	36900.23
17024.66	6740.2	42627.28	11983.27	29392.45
25563.87	15719.04	119615.1	18845.84	55139.82
57303.54	22478.51	119169.2	53808.03	98257.42
36253.36	13311.29	97082.31	22893.83	67089.25
6805.76	2349.5	11056.04	1671.69	8055.38
112620.6	45155.57	271631.4	78120.4	150921.9
34654.81	13301.77	71851.98	18631.15	45987.02
29875.88	13570.95	65701.15	22451.5	57473.25
79660.2	33728.16	169253.4	44710.64	95322.59
31356.89	20391.11	86518.25	38964.45	35657.48
15331.84	4966.36	38831.09	10453.3	16898.75
46753.37	27190.26	88005.18	36963.59	62066.77
13195.8	3027.43	19636.16	8135.3	13287.9

17797.22	4500.97	41418.07	5584.16	21172.43
7950.62	2433.3	18419.94	3919.9	10438.21
36051.97	20375.27	65520.75	29732.91	35833.35
2665.81	989.85	9083.86	1209.18	3453.69
2015.19	1758.99	6424.01	2338.09	3822.41
3221.83	2132.97	4668.67	2139.7	3043.65
33232.72	31426.95	56707.87	30675.27	35001.4
6865.94	3957.22	10025.84	3199.27	5925