

Table D MFH discriminator weighted gene list

Gene Name	Clone	Weight	p value
TMEPAI	transmembrane, prostate androgen induced RNA	4.894034	0.000042
NUDT4P2	nudix (nucleoside diphosphate linked moiety X)-type motif 4	4.864848	0.000042
MYO10	myosin X	4.859004	0.000042
DD96	epithelial protein up-regulated in carcinoma, membrane assoc. protein 17	4.693524	0.000075
SGCB	sarcoglycan, beta (43kD dystrophin-associated glycoprotein)	4.48026	0.000134
SPHAR	S-phase response (cyclin-related)	4.39871	0.000179
FLJ12815	Homo sapiens cDNA FLJ12815 fis, clone NT2RP2002546	4.394127	0.000179
TNC	hexabrachion (tenascin C, cytotactin)	4.374351	0.000179
IGSF4	immunoglobulin superfamily, member 4	4.368213	0.000179
MSTP028	MSTP028 protein	4.305659	0.000179
ITPR1	inositol 1,4,5-triphosphate receptor, type 1	4.287211	0.00024
SSNA1	Sjogren's syndrome nuclear autoantigen 1	4.254941	0.00024
PIN	dynein, cytoplasmic, light polypeptide	4.241266	0.00024
GGH	gamma-glutamyl hydrolase (conjugase, foyl/polygammaglutamyl hydrolase)	4.210993	0.00024
CHSY1	KIAA0990 protein	4.201867	0.00024
DKFZp434M229	Homo sapiens mRNA; cDNA DKFZp434M229 (from clone DKFZp434M229)	4.187824	0.000319
LOC51186	pp21 homolog	4.152696	0.000319
FLJ00012	hypothetical protein FLJ00012	4.126175	0.000319
GEM	GTP-binding protein overexpressed in skeletal muscle	4.117367	0.000319
GS3955	GS3955 protein	4.098805	0.000424

Gene Name	Clone	Weight	p value
HEM1	hematopoietic protein 1	8.045924	0
MX1	myxovirus (influenza) resistance 1	7.793819	0
DAPI0	DNAX-activation protein 10	7.390443	0
DAPI0	DNAX-activation protein 10	7.177107	0
PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	7.104073	0
FOLR3	folate receptor 3 (gamma)	7.044833	0
TNXB	cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, CAH), polypeptide 2	7.020555	0
CCL8	small inducible cytokine subfamily A (Cys-Cys), member 8	6.88491	0
LGALS9	lectin, galactoside-binding, soluble, 9 (galectin 9)	6.880873	0
IAN4L1	likely homolog of mouse immunity-associated nucleotide 4	6.804767	0
OAS1	2',5'-oligoadenylate synthetase 1 (40-46 kD)	6.672744	0
RNASE1	ribonuclease, RNase A family, 1 (pancreatic)	6.672215	0
RABL2B	RAB, member of RAS oncogene family-like 2A	6.518627	0
HML2	macrophage lectin 2 (calcium dependent)	6.356948	0.000001
VAMP8	vesicle-associated membrane protein 8 (endobrevin)	6.19316	0.000001
IFIT1	interferon-induced protein with tetratricopeptide repeats 1	6.131028	0.000001
BF	B-factor, properdin	6.130303	0.000001
CSF1R	colony stimulating factor 1 receptor	6.106375	0.000001
FLT1	fms-related tyrosine kinase 1 (VEGF/vascular permeability factor receptor)	6.078917	0.000001
TCN2	transcobalamin II; macrocytic anemia	6.073769	0.000001

Table D: The top 20 discriminating probes associated with MFH tumors visualized in figure 2b & 2c. present. The top list exhibits a preponderance of muscle related genes whereas the bottom group shows an abundance of inflammatory probes.