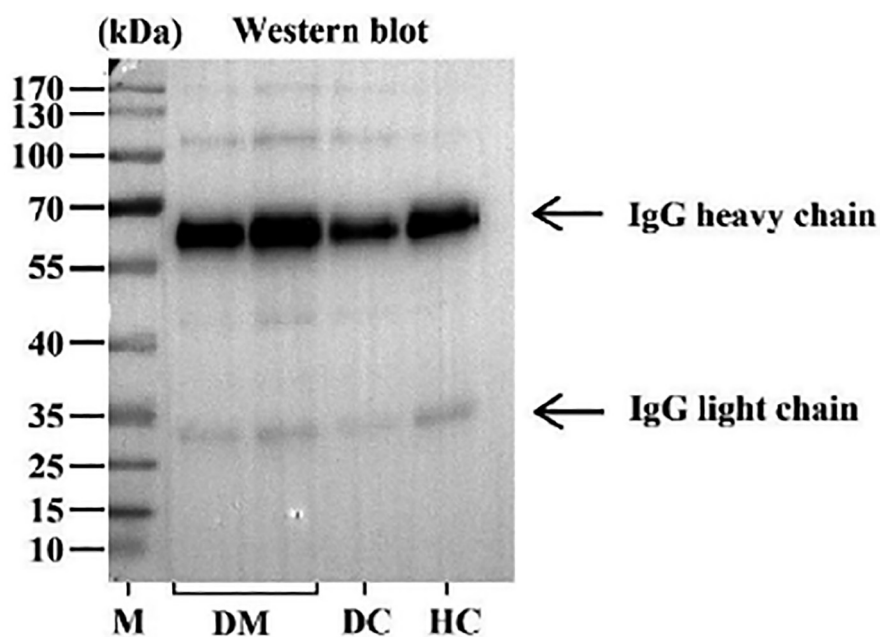


Supplementary Table S1. 56 kinds of lectin and glycan binding specificity.

NO.	abbreviation	Lectin name	Monosaccharide Specificity
1	LTL	Lotus tetragonolobus lectin	Fuc
2	PAS	Pisum sativum agglutinin	Man, Glc
3	LCA	Lens Culinaris Agglutinin	mannose and glucose
4	UEAI	Ulex europaeus agglutinin I	α Fuc
5	AAL	Aleuria aurantia lectin	Fuca6GlcNAc
6	LAL	Laburnum anagyroides Lectin (Gold Chain)	Best inhibitor is alpha-Me-L, Fucose among, monosaccharides
7	TL	Tulipa sp. Lectin (Tulip)	N-Acetylgalactosamine, Galactose, Fucose
8	MAA	Maackia amurensis Lectin	Sialic acid α (2, 3) Galactose
9	SNA	Sambucus nigra lectin	Neu5Ac α 6Gal/GalNAc
10	SSA	Salvia sclarea	NeuAc
11	MAL II	Maackia amurensis lectin II	Neu5Ac α 3Gal β 4GalNAc
12	SNA-I	Sambucus nigra (Elderberry Bark)	alpha 2, 6 linked sialic acid residues
13	NPL	Narcissus pseudonarcissus (daffodil) lectin	Man
14	ConA	Concanavalin A Lectin	Man, Glc
15	GNL	Galanthus nivalis (snowdrop) lectin	Man
16	HHL	Hippeastrum hybrid lectin	Man
17	CALSEPA	Calystega sepium Lectin (Hedge Bindweed Rhizomes)	Maltose=Mannose>>Glucose
18	AMA	Arum maculatum Lectin (Lords and Ladies)	Man
19	MNA-M	Morniga M Lectin (black elderberry)	Man
20	VFA	Vicia fava Lectin (Fava Bean)	Man
NO.	abbreviation	Lectin name	Monosaccharide Specificity
21	VVA mannose	Vicia villosa Lectin (Hairy Vetch, Mannose Specific)	Man
22	ASA	Allium sativum Lectin (Garlic)	Man
23	GSLII	Griffonia (Bandeiraea) simplicifolia lectin II	GlcNAc
24	LEL	Lycopersicon esculentum lectin	GlcNAc
25	STL	Solanum tuberosum lectin	GlcNAc
26	UDA	Urtica dioica Lectin (Stinging Nettle)	GlcNAc
27	PWM	Phytolacca americana Lectin (Pokeweed)	GlcNAc (β 1, 4) GlcNAc, oligomers & [Gal-(β 1, 4), GlcNAc] ₂
28	WGA	Triticum vulgare Lectin (Wheat Germ)	(GlcNAc- β -(1, 4) GlcNAc)1-4> β , GlcNAc>Neu5Ac
29	DSL	Datura stramonium lectin	GlcNAc
30	HPA	Helix pomation Lectin (Snail)	GalNAc
31	VVL	Vicia villosalectin	GalNAc
32	DBA	Dolichos biflorus agglutinin	α GalNAc
33	SBA	Glycine max Lectin (Soybean)	α and β N-acetylgalactosamine > α and β galactose
34	PTLI	Psophocarpus tetragonolobus lectin I	GalNAc, Gal
35	WFA	Wisteria floribunda lectin	GalNAc
36	CSA	Cytisus sessilifolius Lectin (Portugal Broom)	GalNAc
37	Black bean crude	Phaseolus vulgaris sp. Lectin	GalNAc>lactose>melibiose, galactose, sialic acid
38	GSL-IA4	Pure Griffonia simplicifolia Lectin	α -GalNAc
39	IRA	Iris hybrid Lectin (Dutch Iris)	N-Acetyl-D-Galactosamine
40	IAA	Iberis amara Lectin	GalNAc
41	HMA	Homarus Lectin (Lobster) americanus	α GalNAc, α Fuc, Neu5Ac
NO.	abbreviation	Lectin name	Monosaccharide Specificity
42	GHA	Glechoma hederacea Lectin (ground ivy)	Gal, methyl alpha-D galactopyranoside, GalNAc
43	MNA-G	Morniga elderberry G Lectin (black)	Gal
44	RCA I	Ricinus communis agglutinin I	-
45	GSLI-B4	GSL I - isolectin B4	-
46	EEL	Euonymus europaeus lectin	Gal α 3Gal
47	PNA	Arachis hypogaea Lectin (Peanut)	Terminal beta galactose
48	BPL	Bauhinia Purpurea Lectin	Gal β 3GalNAc
49	ABA	Agaricus bisporus Lectin (Mushroom)	Gal (β 1, 3)GalNAc
50	Jacalin, AIA	Jacalin	Gal β 3GalNAc
51	ACL	Amaranthus caudatus lectin	Gal β 3GalNAc
52	MPL	Maclura pomifera lectin	Gal β 3GalNAc
53	PHA-L	Phaseolus vulgaris Leucoagglutinin	Gal β 4GlcNAc β 6(GlcNAc β 2M an α 3)Man α 3
54	PHA-E	Phaseolus vulgaris Erythroagglutinin	Gal Ac β 4 (GlcNAc GlcNAc β 2Man β 4Man α 6(α 3) GlcN Man β 4
55	ECL	Erythrina cristagalli Lectin	Gal β (1, 4)GlcNAc
56	MAL I	Maackia amurensis I lectin	Gal β 4GlcNAc



Supplementary Fig. S1. Identification of the location of serum IgG in the western blot.

SDS-PAGE gel and Western blot of serum proteins from IIM patients, disease control and healthy control, using HRP-labeled. IgG heavy chain located at approximately 55kDa, and IgG light chain located at approximately 35kDa.

M: marker; DM: dermatomyositis; DC: disease controls; HC: healthy controls.