# Appendix 1

## PERCEIVED STRESS SCALE

The questions in this scale ask you about your feelings and thoughts during the last month. In each case, you will be asked to indicate by circling how often you felt or thought a certain way.

Nam	neDate _					
Age	Gender (Circle): <b>M F</b> Other					
0 = 1	Never 1 = Almost Never 2 = Sometimes 3 = Fairly Often	4 =	Very	Oft	en	
1.	In the last month, how often have you been upset because of something that happened unexpectedly?	0	1	2	3	4
2.	In the last month, how often have you felt that you were unable to control the important things in your life?	0	1	2	3	4
3.	In the last month, how often have you felt nervous and "stressed"?	0	1	2	3	4
4.	In the last month, how often have you felt confident about your ability to handle your personal problems?	0	1	2	3	4
5.	In the last month, how often have you felt that things were going your way?	0	1	2	3	4
6.	In the last month, how often have you found that you could not cope with all the things that you had to do?	0	1	2	3	4
7.	In the last month, how often have you been able to control irritations in your life?	0	1	2	3	4
8.	In the last month, how often have you felt that you were on top of things?	0	1	2	3	4
9.	In the last month, how often have you been angered because of things that were outside of your control?	0	1	2	3	4
10.	In the last month, how often have you felt difficulties were piling up so high that you could not overcome them?	0	1	2	3	4

### **DDS**

**DIRECTIONS:** Living with diabetes can sometimes be tough. There may be many problems and hassles concerning diabetes and they can vary greatly in severity. Problems may range from minor hassles to major life difficulties. Listed below are 17 potential problem areas that people with diabetes may experience. Consider the degree to which each of the 17 items may have distressed or bothered you DURING THE PAST MONTH and circle the appropriate number.

Please indicate the degree to which each of the items may be pestering in n your life, NOT whether the item is merely true for you. If you feel that a particular item is not a bother or a problem for you, you would circle "1". If it is very bothersome to you, you might circle "6".

	Not a	A Slight	Moderate	Somewhat	A Serious	A Very
	Problem	Problem	Problem	Serious	Problem	Serious
				Problem		Problem
1. Feeling that my doctor doesn't	1	2	3	4	5	6
know enough about diabetes						
and diabetes care.						
2. Feeling that diabetes is taking	1	2	3	4	5	6
up too much of my mental and						
physical energy every day.						
3. Not feeling confident in my	1	2	3	4	5	6
day-to-day ability to manage						
diabetes.						
4. Feeling angry, scared and/or	1	2	3	4	5	6
depressed when I think about						
living with diabetes.						
5. Feeling that my doctor doesn't	1	2	3	4	5	6
give me clear enough directions						
on how to manage my diabetes.						
6. Feeling that I am not testing	1	2	3	4	5	6
my blood sugars frequently						
enough.						
7. Feeling that I will end up with	1	2	3	4	5	6
serious long-term complications,						

no matter what I do.						
8. Feeling that I am often failing	1	2	3	4	5	6
with my diabetes routine.						
9. Feeling that friends or family	1	2	3	4	5	6
are not supportive enough of						
self-care efforts (e.g. planning						
activities that conflict with my						
schedule, encouraging me to eat						
the "wrong" foods).						
10. Feeling that diabetes	1	2	3	4	5	6
controls my life.						
11. Feeling that my doctor	1	2	3	4	5	6
doesn't take my concerns						
seriously enough.						
12. Feeling that I am not sticking	1	2	3	4	5	6
closely enough to a good meal						
plan.						
13. Feeling that friends or family	1	2	3	4	5	6
don't appreciate how difficult						
living with diabetes can be.						
14. Feeling overwhelmed by the	1	2	3	4	5	6
demands of living with diabetes.						
15. Feeling that I don't have a	1	2	3	4	5	6
doctor who I can see regularly						
enough about my diabetes.						
16. Not feeling motivated to	1	2	3	4	5	6
keep up my diabetes self-						
management.						
17. Feeling that friends or family	1	2	3	4	5	6
don't give me the emotional						
support that I would like.						

### **DDS17 SCORING SHEET**

### **INSTRUCTIONS FOR SCORING:**

The DDS17 yields a total diabetes distress score plus 4 subscale scores, each addressing a different kind of distress. To score, simply sum the patient's responses to the appropriate items and divide by the number of items in that scale.

Current research suggests that a mean item score 2.0 - 2.9 should be considered 'moderate distress,' and a mean item score > 3.0 should be considered 'high distress.' Current research also indicates that associations between DDS scores and behavioral management and biological variables (e.g., A1C) occur with DDS scores of > 2.0. Clinicians may consider moderate or high distress worthy of clinical attention, depending on the clinical context.

It is also suggested reviewing the patient's responses across all items, regardless of mean item scores. It may be helpful to inquire further or to begin a conversation about any single item scored > 3.

Total DDS Score:	a. Sum of 17 item scores.	
	b. Divide by:	17
	c. Mean item score:	
	Moderate distress or greater? (mean item sco	ore > 2) yes no
A. Emotional Burden:	a. Sum of 5 items (2, 4, 7, 10, 14)	
	b. Divide by:	5
	c. Mean item score:	
	Moderate distress or greater? (mean item sco	ore > 2) yes no
B. Physician Distress:	a. Sum of 4 items (1, 5, 11, 15)	
	b. Divide by:	4
	c. Mean item score:	
	Moderate distress or greater? (mean item sco	ore > 2) yes no
C. Regimen Distress:	a. Sum of 5 items (6, 8, 3, 12, 16)	
	b. Divide by:	5
	c. Mean item score:	
	Moderate distress or greater? (mean item score	re > 2) yes no
D. Interpersonal Distress:	a. Sum of 3 items (9, 13, 17)	
	b. Divide by:	3
	c. Mean item score:	
	Moderate distress or greater? (mean item score	e > 2) yes no

# Appendix 2

# NMB Yoga module

S.No	Name of the practice	Duratio
1	Starting Prayer: Asatoma Sat Gamaya	2 mins
2	Preparatory Sukshma Vyayamas and Shithililarana Practices	6 mins
	1. Urdhvahastashvasan (1. Hand Stretch Breathing 3 rounds at 90°,	
	135°, 180° each)	
	2. Kati-Shakti Vikasaka (2. 3 rounds each)	
	a. Forward and Backward Bending   b. Twisting	
	3. Sarvangapushti (3 rounds clockwise, 3 rounds anti-clockwise)	
3	Surya Namaskara (SN)	9 mins
	a. 10 steps fast Suryanamaskara 6 rounds.	
	b. 12 steps slow Suryanamaskara 1 round.	
	(To be avoided by those with knee pain, cardiac problems, renal	
	problem, low back pain, retinopathy and the elderly who are weak	
	and not flexible; instead they can do Chair SN)	
	Modified version Chair SN: 7 rounds	
4	Asanas (1 minute per asana)	15 min
	1. Standing (1 minute per asana)	
	Trikonasana, Pravritta Trikonasana, Prasarita Padhastasana	
	2. Supine	
	Jatara Parivartanasana, Pavanamuktasana, Viparitakarani	
	3. Prone	
	Bhujanagasana, Dhaurasana followed by Pavanmuktasana	
	4. Sitting	
	Mandukasana, Vakrasana /Ardhamatsyendrasana, Paschimatanasana,	
	Ardha Ushtrasana	
	At the end, relaxation with abdominal breathing in supine position	
	(vishranti), 10-15 rounds (2 minutes)	
5	Kriya	3 mins
	a. Agnisara: 1 minute   b. Kapalabhati	
	(@ 60 breaths per minute for 1 minute followed by rest for 1 minute)	
6	Pranayama	9 mins
	a. Nadishuddhi (for 6 minutes, with antarkumbhaka and	
	jalandhar bandha for 2 sec)	
	b. Bhramari (3 minutes)	
7	Meditation (For stress management for deep relaxation and silencing	15 min
	the mind)	
	<b>Cyclic Meditation</b> (Those who are willing to practice techniques of	
	relaxation evolved by their own institutes may do so)	
8	Resolve (I am completely healthy)	1 min
9	Closing Prayer: Sarvebhavantu Sukhinaha	1 min
	Total	60 min

# Appendix 3 INTEGRATED MODULE OF *YOGA* FOR DIABETESMELLITUS (AROGYADHAMA)S-VYASA *YOGA* UNIVERSITY BREATHING PRACTICES (8-15mins.)

Hands in and out	<b>3</b>	Hands Stretch At	
breathing–7(R)		90*,135*,180*Breathing-7(R)	
Ankle StretchBreathing- 7(R)		Rabbit breathing-7(R)	
Sasnkasana Breathing-7(R)		Tiger Breathing-7(R)	
Setubandhaasana Breathing 7(R)		Bhujangasana Breathing 7(R)	

# **LOOSENING and STRETCHING (10-20 mins)**

Jogging 4min.	Spinal Twisting 7(R)	
Side Bending 7(R)	Tadasan Twisting 7 (R)	

Forward and Backward Bending 7( R )	Alternate Bhujangasana and Parvatasana	
Pawanamuktasana Kriya-7 (R) each	Cycling 7 (R)	
Butterfly 7 (R)	Dorsal Stretch(7)	
TiryakPaschimottanasan a 7(R) each	Chakkichālan a 7(R) each	
Bhunamanasana 7 (R) each	Half Butterfly7(R) each	
Bhujangasana Stretching 7(R)	Bhujangasana swimming 7(R)	
Suryanamaskara 7 ( Rounds )	Quick Relaxation Technique (QRT) 2-3 mins.	
St. Leg raise breathing st on edge of bed 7(R) each	Alternate Straight- Leg Raising 7(R)each	

Folded Leg Lumbar	Janu	
Stretch 7(R) each	Sirsasana7(R) each	

N.B. Every Dynamic practice should be followed by respective chanting. If you have any complication should beware about that before practice. Feeling on practice with comfort any posture longer and longer is " $YOG\bar{A}SANA$ ."

## YOGĀSANA

(10 to 15mins)

### **STANDING**

Ardhachatichakrasana	ParivrutaTrikonasana	
Ardhachkrasana	Padahastasana	
Vriksasana	UddhyanaBhandha	

# **SITTING POSTURE**

Ardhamasyendrasan	Paschimottanasana	
Ustrasana	Vakrasana both side	

Vajrasana	Mandukasana	
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# PRONE POSTURE

Bhujangasana	Dhanurasans	
Hamsasana	Naukasana	

# **SUPINE POSTURE**

Viparitakarani with wall support	Matsysasana	
Pavanamuktasana	Navasana	
Setubandhaasana	Savasana (DRT) -8-10 m.	

# **KRIYAS**

Jala Neti.	The state of the s	Sutra Neti.	
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Vamana Dhouthi.



Laghu Sankha Praksalana.





# SURYANAMASKAR

# S-VYASA YOGA UNIVERSITY BENGALURU 4 to 8(R)

Ardhachkrasana Step-1	Padahastasana Step-2	
Eka Pada Aswasanchlana Step-3	Chaturadandasan Step-4	
Sasankasana Step-5	Astangasana Step-6	
Bhujangasana Step-7	Parvatasana Step-8	

Sasankasana Step-9	Aswasanchlana Step-10	
Padahastasana Step-11	Ardhachkrasana Step-12	

Toes Tightening	Ankle Bending	
Patella Movement and Massaging -50R	Knee Extension	
Knee Rotation	Kneecap Tightening- 50R	
Vertical Knee stretching	Savasana (QRT-3m)	

# Section F Yoga module

1	NAMASKAR	2	ARDHA-CHANDRA ASANA	
3	SASANKAASANA	4	ASWASANCHALANA ASANA	
5	PAVANAMUKTH ASANA	6	ARDHA-CHANDRA ASANA	
7	SASANKAASANA	8	ASWASANCHALANA ASANA	
9	PAVANAMUKTH ASANA	10	ARDHA-CHANDRA ASANA	
11	SASANKAASANA	12	ARDHACHANDRA ASANA	

# Daily Practice Schedule

# YOGA THERAPY PARTICIPANTS DAILY TIME TABLE

ivan m	isimir i prikticiphikisu	MILT THIE THOLE
Time	Schedule	Venue
5-30 a.m.	Prāṇāyāma & OM Meditation	Prager Hall
6-30 a.m.	Special Techniques	Sectionwise
7-30 a.m.	Breakfast	Annapūrņā
8.00 a.m.	Maitri Milan	Mangala Mandir**
9.00 a.m.	Parameters	Sectionwise
9.45 a.m.	Treatments & Counseling	Surabhi or Sections
12·15 p.m.	Lecture	Prayer Hall**
1-00 p.m.	Lunch	Annapūrņā
2·00 p.m.	Video (As per the Therapist instruction	s) Sectionwise
3-00 p.m.	Cyclic Meditation	Prayer Hall**
4·00 p.m.	Special Techniques	Respective Sections
5.00 p.m.	Tuning to Nature, Games	Walkingpath & Play
6.00 p.m.	Bhajan	Prayer Hall ground
6·30 p.m.	Trataka	Prayer Hall**
7-00 p.m.		Prager Hall**
7·30 p.m.	Dinner	Annapūrņā
8·30 p.m.	Happy Assembly	Prager Hall
	Nisha Swasthi	in their respective rooms
		rooms
		la:Vimars'a ::Prajwal

# Appendix 4

### MadhumehaNiyantritaBharata (MNB) -Screening form

State	District	Village/Town	Area	YIDM-Code	Serial No
		1	Urban O Rural O		

Name:					Age
Gender	Marital.	Status	Address		-0.0000
OMale	OMarried				
OFemale	OUnmarr	ied			
OTransgender	OSeparate	rd			
Education	-		Оссира	tion	Residential Phone no
ONo formal sel			essional /Executive anager/Big business	OUnskilled manual	
OPrimary scho	ol	OCler	ical /Medium business	ODo not work/Unemployed	Mobile no
OHigh school &	k higher	OSale		OOthers	
OSecondary sci	hool	OAgri	culture/Self employed		
OTechnical edu	eation	OHou	sehold & domestic work		Email ID
OUndergraduat	e degree	OServ	ices		
OPG degree or	above	OSkill	ed manual		

### 1. Diabetes Information

	Yes	No	If "Yes"	duration		
Have Diabetes	0	0	Yrs	Months		
On treatment	0	0	Yrs _	Months	Tabs/day	Insulin units/day
Alternative medicine	0	0	Ayurve	rda	Homeopathy	Other

### 2. Indian Diabetes Risk Score (IDRS)

Age	Physical activity at home/work	Family History	Waist Circumy	ference
O<35 Years =0	OVigorous exercise or strenuous at work=0	OTwo Non-diabetic parents=0	Male	Female
O35-49 Years=20	OModerate exercise at home/work=10	Oone parent diabetic=10	O<90cm=0	O<80cm=0
O>= 50 Years=30	OMild exercise at home/work=20	Oboth parent diabetic=20	O90-99cm=20	O80-89cm=20
	ONo exercise=30		O>=100cm=30	O>=90cm=30
Scores:				
Total Score:		High Risk > = 50, moder:	ate risk 30-50, low	risk < 30

By signing this form, I am agreeing that I am 18 years of age or older and am agreeing to participate in this project voluntarily.

Date:	Participant's Signature
MadhumehaNiyantritaBharata (MNB) - Screening form	Page 1 of 2

-76	W4				
3.	Bod	v	VI	ta	S

Height(cm)	Weig	ht(kgs)	Hip Circumference(cm)	
Blood Press	sure:			
	First r	eading	Second	reading
	Systolic	Diastolic	Systolic	Diastolic

### 4. Diet Information

<ul> <li>a) Oil do you use for cooking?</li> </ul>	b)	How frequently you are consun	ning these items gen	erally?
O Mustard O Coconut	#	Name of item	How much per serving?	How many times in a week?
	1	Burger/ Chips		
O Groundnut O Sunflower	2	Fried items eg: Samosa/Kachori/Bonda etc		
O S	3	Pizza		
O Soyabean	4	Cake/Pastry		
O Palm	5	Fizzy cold drinks		
O Gingelly	6	Chat/Masala Puri		
	7	Meat/Chicken		
O Others	8	Fish/Egg		

### 5. Socioeconomic Status

a) Education of Head	b) Occupation of head	c) Family income / month
OProfession or Honours	OProfession	O ≥ Rs. 36,017
OGraduate or Post Graduate	OSemi Profession	O18,000 - 36,016
OIntermediate /post high school	OClerical, Shop-Owner,	O14,395 -17,999
diploma	farmer	O8,989 - 13,494
OHigh School Certificate	OSkilled Worker	O5,387 - 8,988
OMiddle School Certificate	OSemi Skilled Worker	O1,803 - 5,386
OPrimary School Certificate	OUnskilled Worker	O<1,802
OIlliterate	OUnemployed	

6. Yoga a) Do you practice Yoga? O*YesONo*If "Yes" duration \_\_\_\_Yrs \_\_\_\_Months

#	Name of	Hours per wee	
"	practice	Hrs	Min
1	Asanas		
2	Pranayama		
3	Meditation		
4	Bhajans		
5	Other		

Rate your level of yoga practice?	
OBeginner	
OIntermediate	
OAdvances	
Style of yoga do you practice?	

b)	Do you think practicing yoga have any side-effects? OYes ONo				
	If "Yes" What kinds of side-effects:		-		
c)	Do you think yoga can help in prevention and management of diabetes?	OYes	ONe		
d)	Do you think yoga can help in changing your life style?	OYes	ONo		

MadhumehaNiyantritaBharata (MNB) - Screening form

Page 2 of 2

## **Raw Data**

 $Table-35\ Analysis\ on\ diabetes\ related\ genetic\ markers$ 

		Sig	Fisher
Biolog	gical Process	P-Value	Exact
1.	Chemokine-Mediated Signaling Pathway	1.90E-04	2.10E-05
2.	Platelet Degranulation	2.20E-04	3.20E-05
3.	Response to Virus	3.40E-04	5.10E-05
4.	Neutrophil Chemotaxis	1.10E-03	1.30E-04
5.	Immune Response	1.60E-03	5.30E-04
6.	Inflammatory Response	5.60E-03	2.00E-03
7.	Type I Interferon Signaling Pathway	7.00E-03	9.80E-04
8.	Adaptive Immune Response	8.40E-03	2.00E-03
9.	Negative Regulation of Viral Genome Replication	1.20E-02	1.30E-03
10.	Platelet Activation	1.20E-02	2.50E-03
11.	Cellular Protein Metabolic Process	1.30E-02	2.90E-03
12.	Calcium Ion Trans-Membrane Transport	1.40E-02	3.00E-03
13.	Innate Immune Response	1.40E-02	5.50E-03
14.	Defense Response to Virus	1.40E-02	3.70E-03
15.	Central Nervous System Development	1.40E-02	3.10E-03
16.	Chemotaxis	1.50E-02	3.40E-03
17.	Positive Regulation of Tumor Necrosis Factor Production	1.80E-02	2.30E-03
18.	Positive Regulation of Cytosolic Calcium Ion		
	Concentration	2.20E-02	5.40E-03
19.	Cell Differentiation	2.20E-02	9.60E-03
20.	Blood Coagulation	2.30E-02	6.50E-03
21.	Glutathione Derivative Biosynthetic Process	2.80E-02	2.20E-03
22.	Integrin-Mediated Signaling Pathway	3.00E-02	6.60E-03
23.	Response to Cadmium Ion	3.50E-02	3.20E-03
24.	Cellular Detoxification of Nitrogen Compound	3.50E-02	4.20E-04
25.	Establishment of Blood-Nerve Barrier	3.50E-02	4.20E-04
26.	Lamellipodium Organization	3.50E-02	4.20E-04
27.	T Cell Differentiation Involved In Immune Response	3.50E-02	4.20E-04

28.	Dentinogenetic	3.50E-02	4.20E-04
29.	Neuron Migration	3.60E-02	8.40E-03
30.	Positive Regulation of Proteasomal Ubiquitin-Dependent Protein Catabolic Process	4.00E-02	7.10E-03
31.	B Cell Differentiation	4.40E-02	7.90E-03
32.	Defense Response	4.50E-02	8.30E-03
33.	Fc-Gamma Receptor Signaling Pathway	4.70E-02	8.30E-04
34.	Nitrobenzene Metabolic Process	4.70E-02	8.30E-04
35.	Positive Regulation Of Protein Transport	4.70E-02	8.30E-04
36.	Cell Adhesion	4.70E-02	2.20E-02
37.	Positive Regulation Of Endothelial Cell Proliferation	4.90E-02	9.20E-03
38.	Sodium Ion Transmembrane Transport	5.60E-02	1.10E-02
39.	Positive Regulation of ERK1 And ERK2 Cascade	5.70E-02	1.80E-02
40.	Regulation of Immune System Process	5.80E-02	1.40E-03
41.	Negative Regulation of Dendritic Cell Differentiation	5.80E-02	1.40E-03
42.	Positive Regulation of Ion Transport	5.80E-02	1.40E-03
43.	Glucose Transport	5.80E-02	7.00E-03
44.	Calcium Ion Transport	6.10E-02	1.30E-02
45.	T Cell Stimulation	6.50E-02	1.40E-02
46.	Positive Regulation of Cell Migration	6.80E-02	2.30E-02
47.	Anterior/Posterior Pattern Specification	6.90E-02	1.50E-02
48.	Acute-Phase Response	7.80E-02	1.10E-02
49.	Xenobiotic Catabolic Process	8.00E-02	2.80E-03
50.	Negative Regulation of Norepinephrine Secretion	8.00E-02	2.80E-03
51.	Cellular Response To Glucagon Stimulus	8.10E-02	1.20E-02
52.	DE phosphorylation	8.20E-02	1.90E-02
53.	Platelet Aggregation	8.50E-02	1.30E-02
54.	Smooth Muscle Cell Migration	9.10E-02	3.80E-03
55.	Negative Regulation of Transposition	9.10E-02	3.80E-03
56.	Negative Regulation of Camp-Dependent Protein Kinase Activity	9.10E-02	3.80E-03
57.	Positive Regulation of Gene Expression	9.20E-02	3.80E-02
58.	Organ Morphogenesis	9.60E-02	2.40E-02

59.	Antigen Processing and Presentation Of Exogenous		
	Peptide Antigen Via MHC Class II	9.60E-02	2.40E-02
60.	Positive Regulation of Interleukin-6 Production	9.90E-02	1.60E-02

Molecular Functions that were differentially expressed in Yoga as compared to non- Yoga group are tabulated below (table 3.10)

**Table- 36: Molecular markers** 

			Fisher
Molec	ular Function	P-Value	Exact
61.	E-box binding	6.80E-03	6.00E-04
62.	C-C chemokine receptor activity	8.00E-03	3.00E-04
63.	transmembrane signaling receptor activity	1.20E-02	3.40E-03
64.	receptor activity	1.30E-02	3.70E-03
65.	chemokine receptor activity	1.60E-02	9.00E-04
66.	scaffold protein binding	1.70E-02	2.20E-03
67.	carbohydrate binding	2.50E-02	7.60E-03
68.	bHLH transcription factor binding	2.80E-02	2.20E-03
69.	cAMP binding	3.00E-02	2.50E-03
70.	extracellular matrix binding	3.50E-02	3.20E-03
71.	deoxycytidine deaminase activity	4.50E-02	7.80E-04
72.	calcium channel activity	4.60E-02	8.60E-03
73.	identical protein binding	4.90E-02	2.60E-02
74.	protein C-terminus binding	5.80E-02	1.90E-02
75.	kinase activity	5.90E-02	2.10E-02
76.	glutathione transferase activity	6.00E-02	7.50E-03
77.	calcium ion binding	6.80E-02	3.70E-02
78.	protein binding	7.20E-02	6.40E-02
79.	protein homodimerization activity	7.60E-02	4.20E-02
80.	protein dimerization activity	9.30E-02	3.00E-02
81.	cAMP-dependent protein kinase inhibitor activity	9.80E-02	4.50E-03

Cellular Components that were differentially expressed in Yoga as compared to non- Yoga group are tabulated below (table 3.11)

**Table 37 Diabetes related cellular components** 

			Fisher
	Cellular Component	P-Value	Exact
82.	plasma membrane	6.10E-09	3.40E-09
83.	integral component of plasma membrane	2.70E-05	1.20E-05
84.	external side of plasma membrane	3.50E-05	6.70E-06
85.	platelet alpha granule lumen	4.00E-04	3.80E-05
86.	extracellular space	3.00E-03	1.60E-03
87.	neuronal cell body	3.40E-03	1.10E-03
88.	integral component of membrane	3.90E-03	2.90E-03
89.	platelet alpha granule membrane	9.30E-03	3.90E-04
90.	cell surface	9.60E-03	4.00E-03
91.	extracellular exosome	1.00E-02	7.10E-03
92.	B cell receptor complex	3.40E-02	3.90E-04
93.	lysosomal membrane	3.80E-02	1.40E-02
94.	endocytic vesicle membrane	4.00E-02	7.00E-03
95.	voltage-gated calcium channel complex	4.30E-02	4.40E-03
96.	extracellular region	7.10E-02	4.70E-02
97.	dendrite	9.00E-02	4.00E-02
98.	nucleosome	9.30E-02	2.30E-02
99.	blood micro particle	9.60E-02	3.10E-02