

Figure 1S

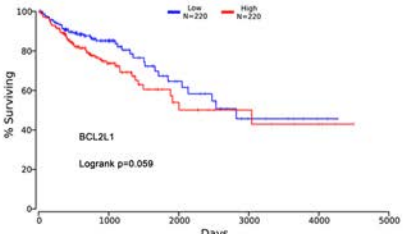
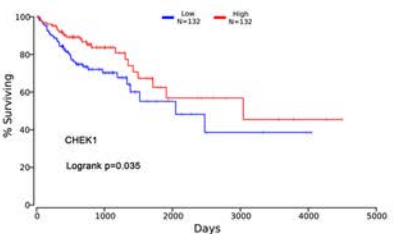
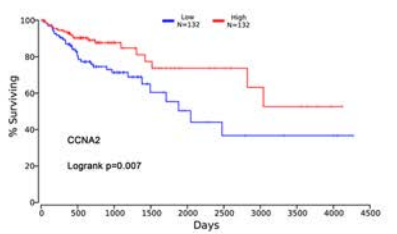
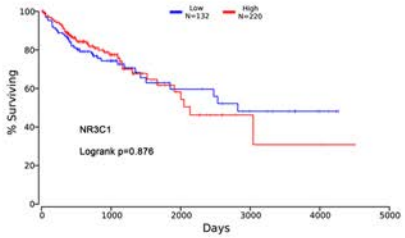
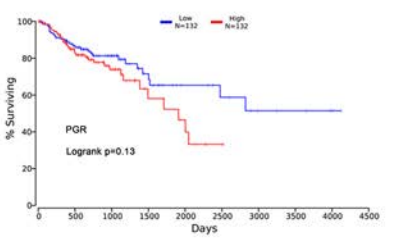
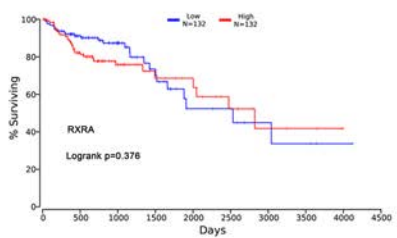
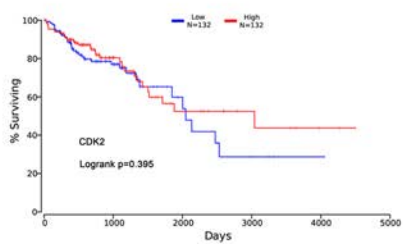
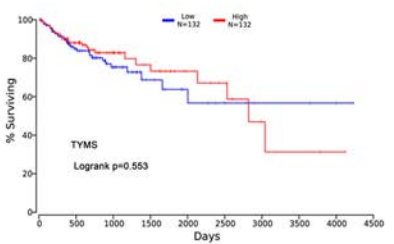
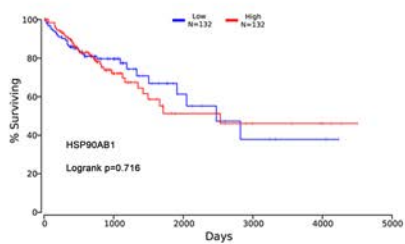
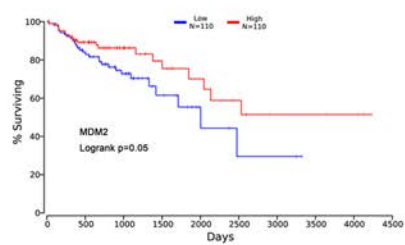
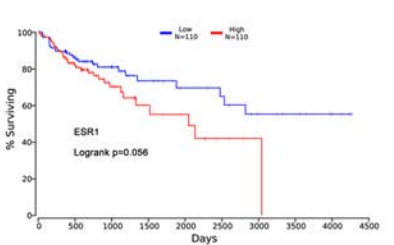
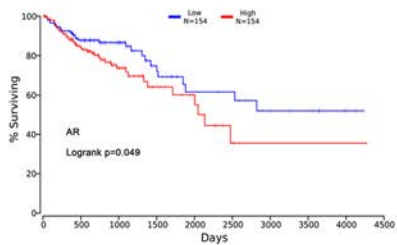
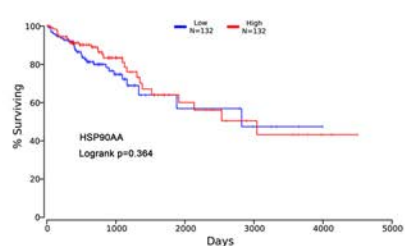
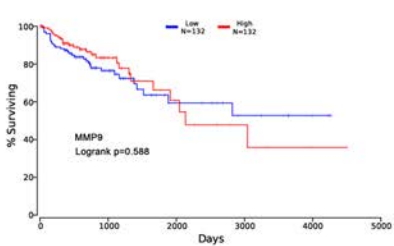
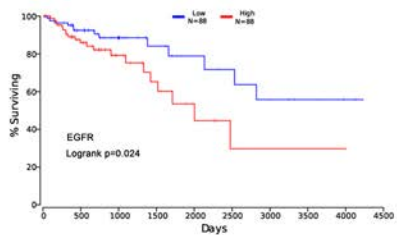


Table 1S

		Statistics of MTS experiments of SW480 and RKO							
		SW480 (Compared with 0 μ mol)				RKO (Compared with 0 μ mol)			
Time		1	5	10	20	1	5	10	20
24h	t	2.133	2.115	5.496	5.538	0.8428	1.169	1.832	1.614
	p	0.0769	0.0788	0.0015	0.0015	0.4315	0.2868	0.1167	0.1576
48h	t	0.7661	9.239	15.24	28.72	0.0354	3.13	5.1	5.718
	p	0.4727	<0.0001	<0.0001	<0.0001	0.9729	0.0203	0.0022	0.0012
72h	t	0.7101	8.088	14.36	19.06	1.079	19.83	14.57	54.43
	p	0.5043	0.0002	<0.0001	<0.0001	0.3222	<0.0001	<0.0001	<0.0001
96h	t	3.514	19.3	16.05	27.52	1.518	16.52	40.25	49.83
	p	0.0126	<0.0001	<0.0001	<0.0001	0.1798	<0.0001	<0.0001	<0.0001

ase;Musculoskeletal disease;Periodontal disease;Bone injury;Osteoporosis

fibroids;Menstruation disorder;Infertility;Acne;Breast tumor;Female contraception;Neoplasm;Planned abortion;Dysmenorrhea;Endometriosis;Hormone deficiency;Unidentif

disorder;Cancer;Breast tumor

city, drug-induced;Toxicity;Alzheimers disease

tumor

Cancer;Liver disease;Cognitive disorder;Neurodegenerative disease;Cerebrovascular ischemia

NONE

tional supplementation, also for treating dietary shortage or imbalance

Brain tumor;Inflammation;Myocardial infarction;Fibrosis;Brain ischemia;Psoriasis;Rheumatoid arthritis;Retinitis pigmentosa;Atherosclerosis;Genitourinary disease;B
y;Diabetic neuropathy;Diabetic foot ulcer;Diabetic complication;Diabetic nephropathy;Retinopathy;Ocular disease;Central nervous system disease;Diabetic retinopath
ment of transplant rejection, rheumatoid arthritis, severe psoriasis

obstructive pulmonary disease;Asthma

tional supplementation, also for treating dietary shortage or imbalance

Hodgkins disease;Acute leukemia;Breast tumor;Head and neck tumor;Hepatocellular carcinoma;Ovary tumor;Prostate tumor;Solid tumor;Non-Hodgkin lymphoma;Cancer;Non-s
nervous system disease;Inflammation;Pulmonary fibrosis;Ischemia;Cerebrovascular ischemia;Neurodegenerative disease

;Asthma;Cancer;Neurodegenerative disease;Inflammation;Liver disease;Acute myelogenous leukemia;Diabetes mellitus;Pulmonary fibrosis;Ischemia

s disease;Cocaine addiction;Major depressive disorder;Epilepsy;Neurodegenerative disease;Attention deficit hyperactivity disorder;Head injury;Parkinsons disease;D

mphoma;Autoimmune disease;HIV infection;Dermatitis;Chronic lymphocytic leukemia;Acquired Immune Deficiency Syndrome;Inflammation;Multiple sclerosis;Solid tumor;Ps
e sexual desire disorder;Hepatitis B virus infection;Cardiac failure;Andrology;Hirsutism;Female sexual dysfunction;Psoriasis;Reperfusion injury;Plasmodium infecti
lerosis;Cerebrovascular disease;Cancer;Melanoma;Multiple myeloma;Hypercholesterolemia;Atherosclerosis;Breast tumor;Hyperlipidemia;Solid tumor;Cardiovascular disea
onuria;Sickle cell anemia;Vascular disease;Genetic disorder;Diabetic nephropathy;Hypertension;Ataxia;Peripheral arterial occlusive disease;Coronary artery disease

ence suggests that NADH might be useful in treating Parkinsons disease, chronic fatigue syndrome, Alzheimers disease and cardiovascular disease.

is;Glomerulonephritis;Wound healing;Renal disease;Scleroderma;Glaucoma;Diabetic complication;Scar tissue;Inflammation;Urinary tract disease;Pulmonary fibrosis;Diab
disorder;Hypertension;Cardiovascular disease;Urinary tract disease

demia;Hypercholesterolemia;Atherosclerosis

emia;Cancer;Osteoporosis;Cerebrovascular ischemia;Bone metastases;Metastasis;Solid tumor

in dependent diabetes

cell carcinoma;Arteriosclerosis;Melanoma;Central nervous system tumor;Diabetes mellitus;Esophagus tumor;Ischemic heart disease;Brain tumor;Nasopharyngeal carcinom
lid tumor

Renal disease;Cardiac failure;Atherosclerosis;HIV infection;Hypertension;Cardiovascular disease;Ocular hypertension;Renal failure
artery disease;Hypertension;Congestive heart failure;Angina;Myocardial infarction;Peripheral vascular disease;Atherosclerosis;Ischemic heart disease

tional supplementation, also for treating dietary shortage or imbalance

l, known for its antioxidant activities, is protective against cardiovascular disease and some forms of cancer and has also demonstrated immune-enhancing effects.

;Inflammation;Rheumatoid arthritis;Cardiac failure;Multiple sclerosis;Metastasis;Immune disorder

ne used for lowering elevated triglycerides in those who are hyperglyceridemic. In addition, EPA may play a therapeutic role in patients with cystic fibrosis by re

in dependent diabetes;Rheumatoid arthritis;Diabetes mellitus;Obesity;Atherosclerosis;Metabolic disorder;Periodontitis

rebrovascular ischemia;Conjunctivitis;Inflammation;Multiple sclerosis;Fibrosis;Unidentified indication;Psoriasis;Heart arrhythmia;Rheumatoid arthritis;Atheroscler

dependent diabetes;Glomerulonephritis;Cancer;Rheumatoid arthritis;Sepsis;Autoimmune disease;Atherosclerosis;Infection;Inflammation;Myocardial infarction;Immune dis
sis disorder;Melanoma;Cancer;Non-small-cell lung cancer;Renal cell carcinoma;Colorectal tumor;Ocular disease;Age related macular degeneration;Solid tumor
l lung cancer;Solid tumor;Breast tumor;Head and neck tumor;Brain tumor;Neoplasm;Hepatocellular carcinoma;Ovary tumor;Prostate tumor;Pancreas tumor;Urinary tract t
Cancer

myelocytic leukemia

complication

sclerosis;Asthma;Cancer;Rheumatoid arthritis;Autoimmune disease;Arthritis;Bacterial infection;Bone disease;Osteoarthritis;Bone metastases;Immune disorder;Osteopor

ment of diabetes (type I and II)

tional supplementation, also for treating dietary shortage or imbalance

; term treatment of acutely decompensated severe chronic heart failure (CHF). Also being investigated for use/treatment in heart disease.

bolism

investigated for the treatment of Herpes labialis infections (cold sores).

is known for its antioxidant activities, is protective against cardiovascular disease and some forms of cancer and has also demonstrated immune-enhancing effects. Additional supplementation and for treating dietary shortage or imbalance.

diabetes;Diabetes mellitus;Non-insulin dependent diabetes;Autoimmune disease;Immune disorder

;Cancer;Rheumatoid arthritis;Cardiac failure;Atherosclerosis;Delayed hypersensitivity;Transplant rejection;Inflammation;Multiple sclerosis;Autoimmune disease

ne disease;Reperfusion injury;Age related macular degeneration
e tissue disease;Viral infection;Inflammation;HIV infection

hy;Vascular disease;Diabetic macular edema;Inflammation;Cancer;Gastrointestinal disease;Age related macular degeneration

anthracis infection

thrombosis;Thrombocytopenia;Cerebrovascular disease;Wound healing;Ebola virus infection;Bone injury;Cerebrovascular ischemia;Restenosis;Thrombosis;Diabetic foot

ion;Cancer;Acute myelogenous leukemia;Myocardial infarction;Non-small-cell lung cancer;Solid tumor
ure;Raynauds disease;Cardiac failure;Thrombosis;Diabetic complication;Prostate hyperplasia;Erectile dysfunction;Urinary tract disease;Female sexual dysfunction;Va

sis disorder;Ulcer;Cancer;Lung embolism;Restenosis;Metastasis;Skin ulcer;Cardiovascular disease
obstructive pulmonary disease

s disease;Renal disease;Lipid metabolism disorder;Cardiac failure;Hyperlipidemia;Intermittent claudication;Myocardial infarction;Coronary artery disease;Glioma;Hy

ence suggests that NADH might be useful in treating Parkinsons disease, chronic fatigue syndrome, Alzheimers disease and cardiovascular disease.

ion;Cancer

;Genital tract inflammation;Otitis media;Wound healing;Atopic dermatitis;Dermatitis;Cystitis;Inflammatory bowel disease;Cystic fibrosis;Alpha-1 antitrypsin defici
sease;Rheumatoid arthritis;Cancer

;Transplant rejection;Rheumatoid arthritis;Respiratory tract inflammation;Autoimmune disease

ldrich syndrome

abolism disorder;Atherosclerosis
ment of mucositis (mouth sores)

X;Lipid metabolism disorder;Non-insulin dependent diabetes;Atherosclerosis;Hypertriglyceridemia;Hyperlipidemia;Cardiovascular disease;Congestive heart failure;Dia
tional supplementation, also for treating dietary shortage or imbalance.

rosis;Non-insulin dependent diabetes;Atherosclerosis;Hypertriglyceridemia;Hyperlipidemia;Liver disease;Primary biliary cirrhosis;Non-alcoholic steatohepatitis

ence suggests that NADH might be useful in treating Parkinsons disease, chronic fatigue syndrome, Alzheimers disease and cardiovascular disease.

replacement or supplemental therapy in patients with hypothyroidism of any etiology, except transient hypothyroidism during the recovery phase of subacute thyroidit
lupus erythematosus;Asthma;Rheumatoid arthritis;Allergy;Allergic rhinitis;Inflammation;Thrombocytopenic purpura;Acute myelogenous leukemia;Lymphoma

tional supplementation, also for treating dietary shortage or imbalance

in tumor;Leukemia;Breast tumor;Lung tumor;Head and neck tumor;Uterine cervix tumor;Ovary tumor;Prostate tumor;Prostate hyperplasia

is claimed to act as an effective antidepressant, however results are mixed. Tyrosine has also been claimed to reduce stress and combat narcolepsy and chronic fat

drug-induced;Mucositis;Cancer;Glioma;Metastasis;Renal cell carcinoma;Head and neck tumor;Brain tumor;Pancreas tumor;Solid tumor;Stomach tumor

thrombosis;Blood clotting disorder;Cancer;Ebola virus infection;Thrombosis;Lung embolism;Unstable angina;Angina;Myocardial infarction;Thromboembolism;Cardiovascu
reatment of ariboflavinosis (vitamin B2 deficiency).

reatment of hypercholesterolemia.

Cancer;Solid tumor

s disease;Immune deficiency;Breast tumor;Major depressive disorder;Glaucoma;Metabolic disorder;Psychotic disorder;HIV infection;Cocaine addiction;Inflammation;Pla
ne disease;Melanoma;Hyperthyroidism;Aging;Skin tumor;Acne;Breast tumor;Neurodegenerative disease;Acute myelogenous leukemia;Hepatocellular carcinoma;Prostate tumo

ll anemia;Inflammation;Transplant rejection;Myocardial infarction;Restenosis;Thrombosis
l tumor;Non-Hodgkin lymphoma;Neoplasm;Cancer;Trypanosomiasis;Pneumocystis carinii infection;Bacterial infection

ical neoplasm;Multiple myeloma

al treatment of cutaneous lesions in patients with AIDS-related Kaposi sarcoma.

in adjunct to the standard therapy of inhaled steroids with inhaled long- and/or short-acting beta-agonists.

tional supplementation, also for treating dietary shortage or imbalance

;Cancer;Rheumatoid arthritis;Pulmonary hypertension;Myeloid leukemia;Inflammation;Prostate tumor;Pancreas tumor;Myeloproliferative disorder;Solid tumor;Myelofibro
cositis;Migraine;Neuropathic pain;Irritable bowel syndrome;Reperfusion injury;Inflammatory bowel disease;Inflammation;Chronic obstructive pulmonary disease;Gastri

cting disorder;Chronic bronchitis;Lung injury;Cerebrovascular ischemia;Emphysema;Respiratory disease;Cystic fibrosis;Chronic obstructive pulmonary disease;Myocard

tional supplementation, also for treating dietary shortage or imbalance

ion

:Acne;Cancer

cell carcinoma;Psoriasis;Colon tumor;Cancer;Metabolic disorder;Leukemia;Breast tumor;Skin infection;Neutropenia;Carcinoma;Dermatological disease;Ocular disease;Graft rejection;Immune disorder
NONE

or;Melanoma;Cancer;Rheumatoid arthritis;Non-small-cell lung cancer;Neurodegenerative disease;Breast tumor;Colorectal tumor;Transplant rejection;Inflammation;Pancre

hy;Ovary tumor;Cancer;Renal cell carcinoma;Breast tumor;Solid tumor
tumor

tional supplementation and for treating dietary shortage or imbalance.

:Arteriosclerosis;Pain;Rheumatoid arthritis;Autoimmune disease;Allergy;Inflammation;Asthma;Multiple sclerosis;Immune disorder

uria

ment of acute malarial attacks in non-immune subjects.

tional supplementation, also for treating dietary shortage or imbalance

opic dermatitis;Atherosclerosis;Thrombosis;Bacterial infection;Fungal infection;Inflammation;Congestive heart failure;Chronic obstructive pulmonary disease;Viral infection;Neuropathic pain;Renovascular hypertension;Congestive heart failure

s

tional supplementation and for treating dietary shortage or imbalance.

l tumor;Chronic lymphocytic leukemia;Cancer;Prostate tumor;Pancreas tumor;Metastasis;Multiple myeloma
NONE

ry disease;Asthma

l infarction;Arthritis;Inflammation;Cancer

cell carcinoma;Biliary cancer;Cancer;Non-small-cell lung cancer;Gastrointestinal tumor;Renal cell carcinoma;Breast tumor;Lung tumor;Head and neck tumor;Colorectal
nutritional supplementation, also for treating dietary shortage or imbalance. It has been claimed that ornithine improves athletic performance, has anabolic effect

Breast tumor;Cancer

replacement or supplemental therapy in patients with hypothyroidism of any etiology, except transient hypothyroidism during the recovery phase of subacute thyroiditis

tional supplementation, also for treating dietary shortage or imbalance

Metabolic disorder;Neurodegenerative disease;Cancer;Cardiovascular disease

ovirus infection;Metastasis;Cancer;Solid tumor

ng injury;Atopic dermatitis;Cerebrovascular ischemia;Shock;Ischemic heart disease;Dermatitis;Respiratory disease;Inflammatory bowel disease;Inflammation;Chronic
neck tumor;Carcinoma;Melanoma;Cancer;Sarcoma;Non-small-cell lung cancer;Breast tumor
tumor;Ovary tumor;Cancer;Mastocytosis;Gastrointestinal tumor

:Septic shock;Alzheimers disease;Rheumatoid arthritis;Sepsis;Neurological disease;Osteoarthritis;Inflammation;Diabetes mellitus;Metastasis;Cardiovascular disease

ied indication;Gynecological disorder;Musculoskeletal disease;Estrogen deficiency;Cancer;Contraception;Amenorrhea;Female infertility;Carcinoma;Menopause;Premenstr

reast disease;Atrophy;Crohns disease;Testosterone deficiency;Uterine fibroids;Fibrocystic breast disease;Arthralgia;Prostatitis;Prostate hyperplasia;Inflammatory l
y;Diabetes mellitus;Diabetic cataract;Cataract

mall-cell lung cancer;Renal cell carcinoma;Colorectal tumor

ementia;Nicotine dependence;Cerebrovascular ischemia

oriasis;Non-Hodgkin lymphoma;Viral infection;Cancer;Rheumatoid arthritis;Leukemia;B-cell acute lymphoblastic leukemia;Cutaneous T-cell lymphoma;Ocular disease;Trau
on;Atherosclerosis;Prostate hyperplasia;Fatigue;Male sexual dysfunction;Autoimmune disease;Testosterone deficiency;Uterine fibroids;Metabolic disorder;Myalgia;Obe
se;Prostate tumor;Alzheimers disease;Dementia;Osteoporosis

etic nephropathy;Fibrosis;Solid tumor;Angiogenesis disorder;Glioma;Cancer;Atherosclerosis;Glomerular disease;Lung tumor;Nephritis;Immune disorder;Bone marrow tran:

a;Liver tumor;Pancreas tumor;Lung tumor;Psoriasis;Bladder tumor;Esophageal disease;Mesothelioma;Atherosclerosis;Multiple myeloma;Bacterial infection;Uterine cervi:

It may be of limited benefit in some with asthma and rheumatoid arthritis. It may be helpful in some neurological diseases including Alzheimers, some eye disorders
ducing disease severity and may play a similar role in type 2 diabetics in slowing the progression of diabetic nephropathy.

osis;Corneal disease;Cardiovascular disease;Ulcerative colitis;Alzheimers disease;Infertility;Syndrome X;Lipid metabolism disorder;Non-insulin dependent diabetes;!

order

umor;Stomach tumor;Retinopathy;Bladder tumor;Colon tumor;Cancer;Mesothelioma;Non-small-cell lung cancer;Cholangiocarcinoma;Gastrointestinal tumor;Liver tumor;Lung

osis

It may be of limited benefit in some with asthma and rheumatoid arthritis. It may be helpful in some neurological diseases including Alzheimers, some eye disorder:

ulcer;Ischemic heart disease;Marburg virus infection;Myocardial disease;Embolism and thrombosis;Myocardial infarction;Cartilage disease;Thromboembolism;Coronary a:
scular disease;Viral infection;Cancer;Atherosclerosis;Pulmonary disease;Metabolic disorder;Hypertension;Cardiovascular disease;Pulmonary hypertension;Angina;Male :

percholesterolemia;Atherosclerosis;Peripheral arterial occlusive disease;Cardiovascular disease;Congestive heart failure;Angina;Hypertension;Heart disease;Cerebro:

ency;Dermatological disease

betes mellitus;Obesity;Inflammation

is.

igue, however these claims have been refuted by some studies.

lar disease

nned abortion;Diabetes mellitus;Weight gain;Endometriosis;Obesity;Insulin dependent diabetes;Cushings disease;Glioma;Endometroid carcinoma;Neurodegenerative disea:
r;Pancreas tumor;Alzheimers disease;Multiple sclerosis;Psoriasis;Colon tumor;Cancer;Renal disease;Leukemia;Hyperparathyroidism;Sarcoidosis;Carcinoma;Insulin depen

sis;Hematological neoplasm;Cardiovascular disease
c motility disorder;Uveitis;Insulin dependent diabetes;Multiple sclerosis;Rheumatoid arthritis;Sepsis;Osteoarthritis;Transplant rejection;Gingivitis;Allergic rhin:
ial infarction;Lung inflammation;Pulmonary fibrosis;Psoriasis;Pancreatitis;Bronchitis;Rheumatoid arthritis;Arthritis;Pulmonary disease;Lung tumor;Respiratory dist:

nital system disease;Lymphoma;Immune disorder

reas tumor;Solid tumor

infection;HIV infection;Cardiovascular disease

tumor;Adenocarcinoma;Prostate tumor;Pancreas tumor;Hepatocellular carcinoma;Stomach tumor
ts, has wound-healing effects, and is immuno-enhancing.

is.

bs obstructive pulmonary disease;Myocardial infarction;Injury;Psoriasis;Reperfusion injury;Sepsis;Skin burns;Respiratory distress syndrome;Transplant rejection;Hyperte

ial syndrome;Anesthesia;Age related macular degeneration;Osteoporosis

bowel disease;Solid tumor;Gynecological disorder;Vascular disease;Contraception;Cancer;Sepsis;Hypercholesterolemia;Neurological disease;Ataxia;Cognitive disorder;C

nsplant rejection;Immune disorder
sity;Gynecological disorder;Contraception;Cancer;Hypercholesterolemia;Skin burns;Seborrhea;Growth disorder;Bone tumor;Muscular dystrophy;Erectile dysfunction;Syste

splantation

x tumor;Nasopharynx tumor;Carcinoma;Restenosis;Stomach tumor;Thyroid tumor;Small-cell lung cancer;Renal disease;Nervous system tumor;Hepatobiliary system tumor;Bre

s including cataracts, and diabetes and premenstrual syndrome. It may also help protect skin from ultraviolet irradiation although claims that it reverses skin agi

Metabolic disorder;Diabetic complication;Hyperlipidemia;Lacrimal gland disease;Myocardial infarction;Obesity;Coronary artery disease;Insulin dependent diabetes;Vas

tumor;Colorectal tumor;Uterine cervix tumor;Carcinoma;Biliary tumor;Gallbladder disease;Keratosi

s including cataracts, and diabetes and premenstrual syndrome. It may also help protect skin from ultraviolet irradiation although claims that it reverses skin agi

rtery disease;Hemophilia;Blood clotting disorder;Bleeding;Atrial fibrillation;Skin burns;Disseminated intravascular coagulation;Connective tissue disease;Lung emb
sexual dysfunction

vascular ischemia;Osteoporosis

se;Hypertension;Hepatitis C virus infection;Carcinoma;Non-insulin dependent diabetes;Psychiatric disorder
dent diabetes;Transplant rejection;Osteoporosis

itis

ress syndrome;Transplant rejection;Pulmonary hypertension;Pneumonia;Inflammation

Osteoporosis;Gynecomastia;Major depressive disorder;Acne;Female contraception;Dysmenorrhea;Neoplasm;Central nervous system disease;Multiple sclerosis;Alcoholism;La

emic lupus erythematosus;Asthma;Wound healing;Cerebrovascular ischemia;Acne;Hypogonadism;HIV infection;Neoplasm;Dermatological disease;Prostate disease;Multiple sc

ast tumor;Head and neck tumor;Ovary tumor;Prostate tumor;Renal tumor;Solid tumor;Colon tumor;Glioma;Cancer;Non-small-cell lung cancer;Metastasis;Renal cell carcin

ing, enhances male fertility and exercise performance are poorly supported. It may help relieve some muscle cramps.

scular disease;Cancer;Cognitive disorder;Hypertension;Diabetes mellitus;Osteoporosis;Dermatological disease

ing, enhances male fertility and exercise performance are poorly supported. It may help relieve some muscle cramps.

olism;Cardiovascular disease;Sepsis;Angina;Infarction

crimal gland disease;Carcinoma;Cardiovascular disease;Menopause;Unidentified indication;Alzheimers disease;Breast tumor;Scar tissue;Hyperlipidemia;Postmenopausal

lerosis;Lacrimal gland disease;Alopecia;Mycobacterium tuberculosis infection;Ovary cyst;Carcinoma;Cardiovascular disease;Cachexia;Muscle wasting disease;Cervical

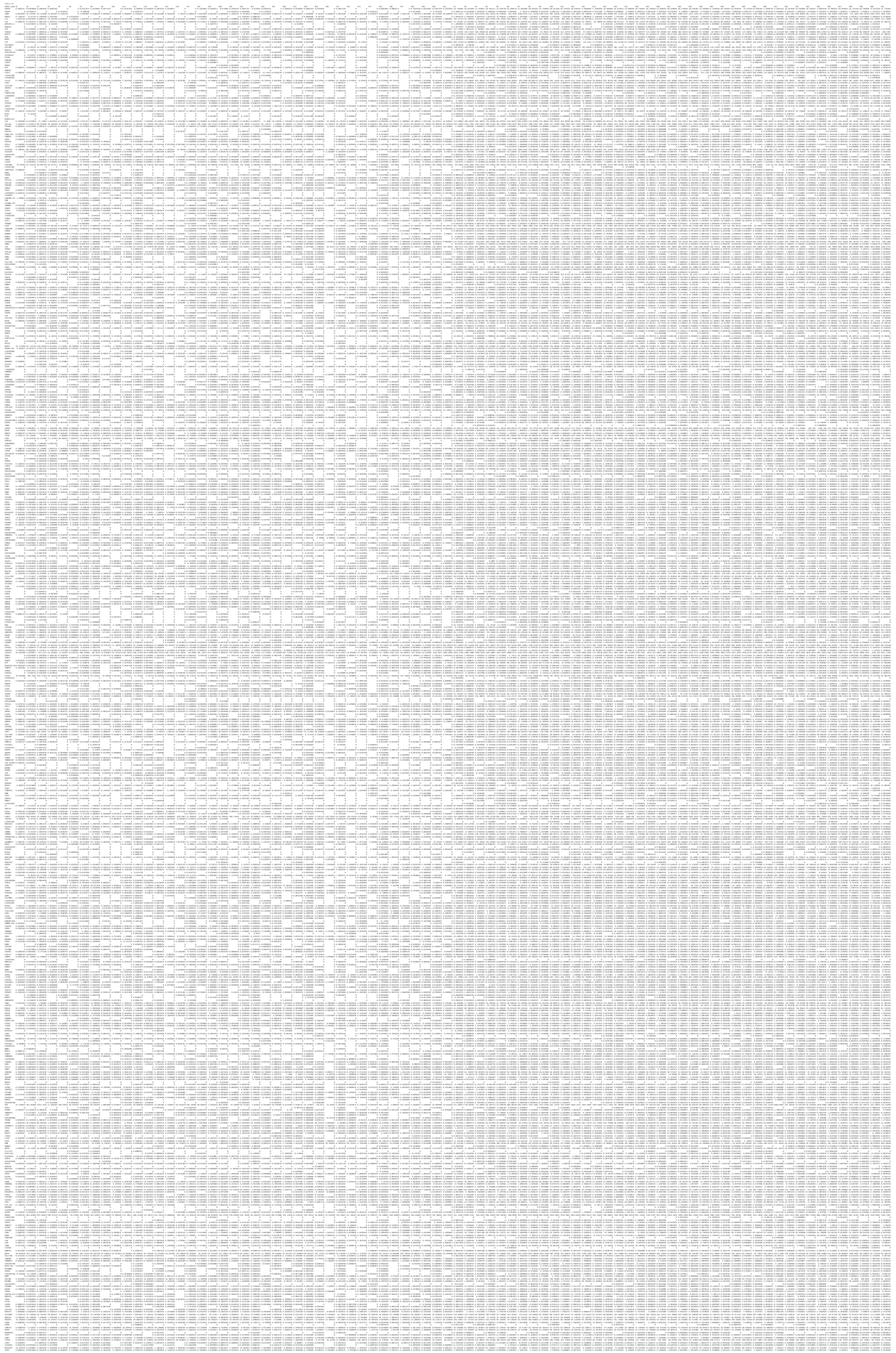
oma;Glioblastoma;Colorectal tumor;Neoplasm;Sarcoma;Hypercholesterolemia

osteoporosis;Papillomavirus infection;Ovary tumor;Prostate tumor;Adrenal disease;Urinary dysfunction;Estrogen deficiency;Endometriosis;Hormone deficiency;Musculosk

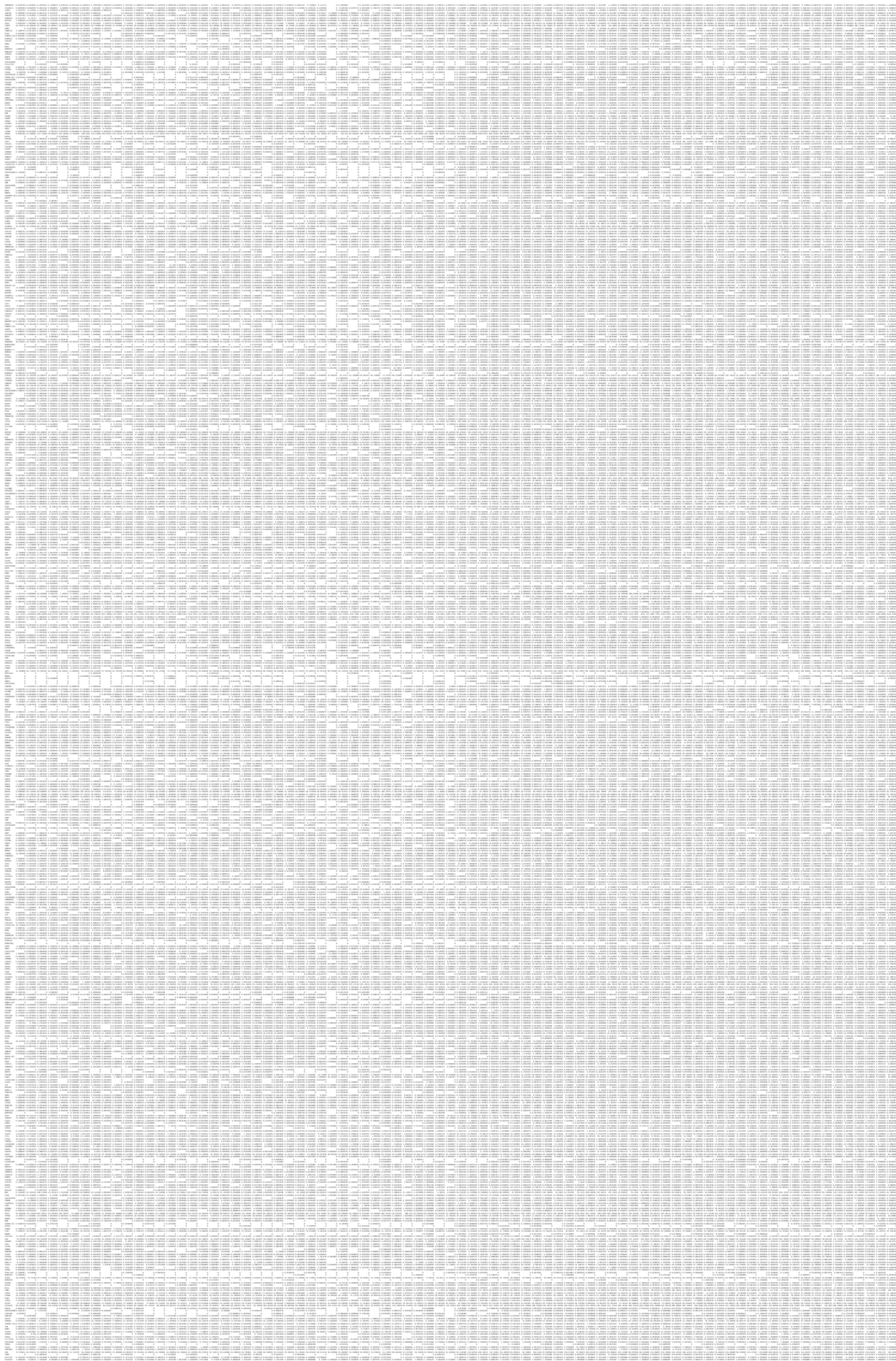
dystonia;Anemia;Endocrine disease;Non-insulin dependent diabetes;Breast tumor;Female contraception;Fungal infection;Cystic fibrosis;Prostate tumor;Estrogen deficie

keletal disease;Glioma;Vagina disease;Non-small-cell lung cancer;Parkinsons disease;Uterus tumor;Psychiatric disorder

ency;Endometriosis;Hormone deficiency;Turners syndrome;Keratosi;Premenstrual syndrome;Hepatitis C virus infection;Benign tumor;Osteoporosis;Male contraception



1. Introduction
2. Background
3. Methodology
4. Results
5. Discussion
6. Conclusion
7. References
8. Appendix
9. Glossary
10. Index



1. Introduction
2. Literature Review
3. Methodology
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1. Introduction
2. Background
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6. Conclusion

The following text is a dense, repetitive pattern of characters and symbols, likely representing a corrupted or heavily redacted document. The content is largely illegible due to the high density of noise and the lack of clear structure. The text appears to be a mix of lowercase and uppercase letters, numbers, and special characters, arranged in a way that suggests a structured document but is otherwise unreadable.

1. Introduction
2. Literature Review
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a dense, repetitive block of characters and symbols, likely representing a corrupted or heavily redacted document. It contains no legible information.

1. Introduction
2. Literature Review
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a dense, repetitive block of characters, likely representing a corrupted or heavily redacted document. It consists of numerous lines of text that are mostly illegible due to the high density and repetition of characters. The text appears to be a mix of letters, numbers, and symbols, with some recognizable words like "Introduction", "Literature Review", "Methodology", "Results", "Discussion", and "Conclusion" interspersed throughout. The overall appearance is that of a severely damaged or corrupted scan of a document.

1. Introduction
2. Background
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a dense, repetitive block of characters and symbols, likely representing a corrupted or heavily redacted document. It contains no legible information.

Blank page with faint grid lines.

1. Introduction
2. Literature Review
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a placeholder for the main body of the document, which would contain the detailed analysis and findings of the study.

1. Introduction
2. Literature Review
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a dense, repetitive block of characters, likely representing a corrupted or heavily redacted document. It consists of a long, continuous string of alphanumeric characters and symbols, with no discernible structure or meaning. The text is organized into a list of six numbered items, each followed by a line of text. The items are: 1. Introduction, 2. Literature Review, 3. Methodology, 4. Results, 5. Discussion, and 6. Conclusion. The text is presented in a standard, plain font on a white background.

1. Introduction
2. Background
3. Methodology
4. Results
5. Discussion
6. Conclusion

The following text is a dense, repetitive block of characters and symbols, likely representing a corrupted or heavily redacted document. It contains no legible information.

1. Introduction

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3. Methodology

4. Results

5. Discussion

6. Conclusion

7. References

8. Appendix

9. Bibliography

10. Index

11. Glossary

12. Acknowledgements

13. Author Biographies

14. Declaration of Interest

15. Funding Sources

16. Conflicts of Interest

17. Ethics Statement

18. Data Availability Statement

19. Correspondence

20. Contact Information

21. Copyright

22. Permissions

23. Reprints

24. Distribution

25. Publication History

26. Keywords

27. Abstract

28. Summary

29. Objectives

30. Methods

31. Results

32. Conclusions

33. Future Research

34. Limitations

35. Strengths

36. Implications

37. Recommendations

38. Policy Implications

39. Practical Applications

40. Theoretical Contributions

41. Empirical Contributions

42. Conceptual Contributions

43. Methodological Contributions

44. Analytical Contributions

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112. Smart Homes

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114. Smart Factories

115. Smart Agriculture

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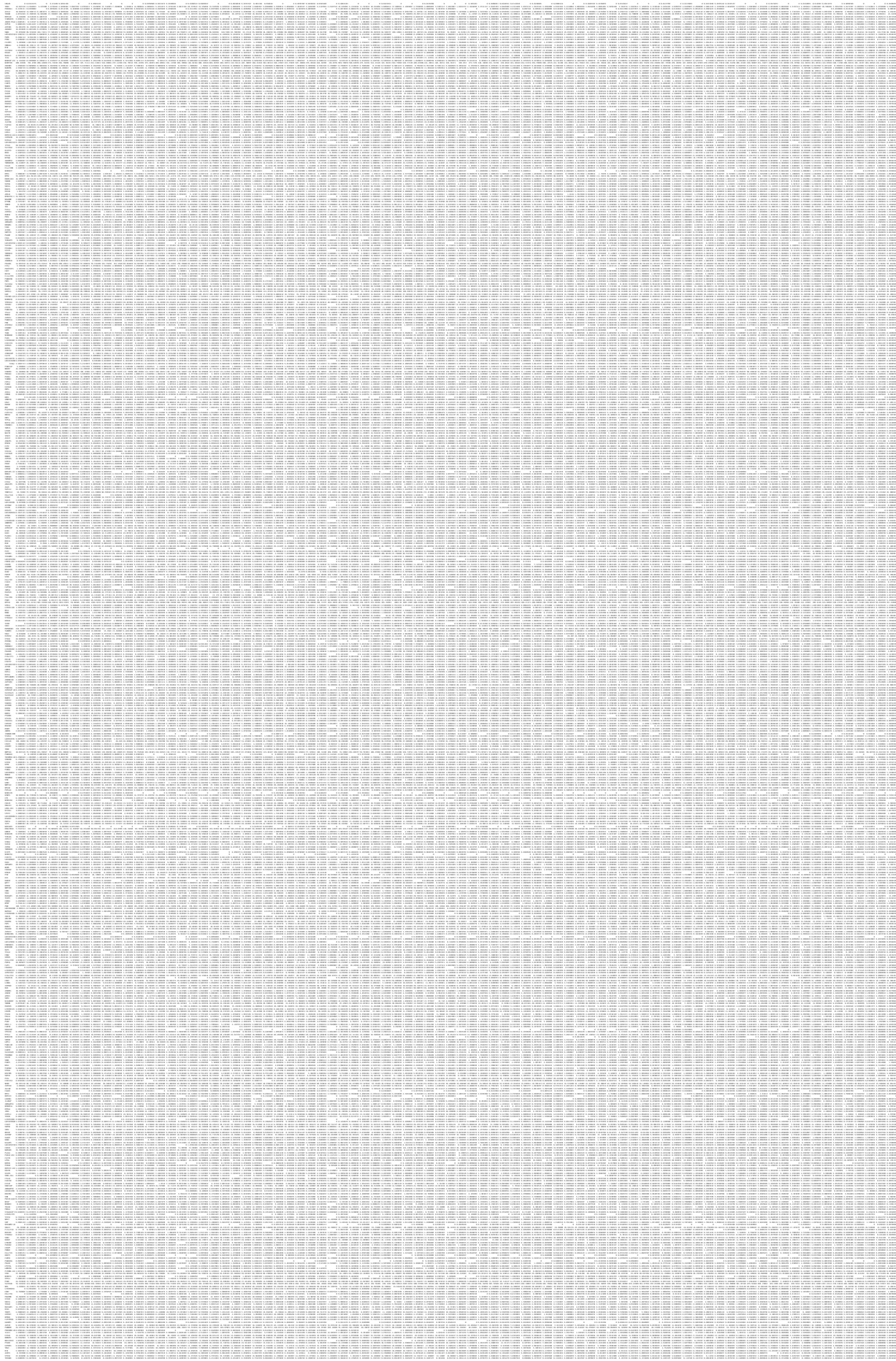
496. Smart Logistics

497. Smart Supply Chain

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499. Smart Buildings

500. Smart Mobility



1. Introduction
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6. Conclusion

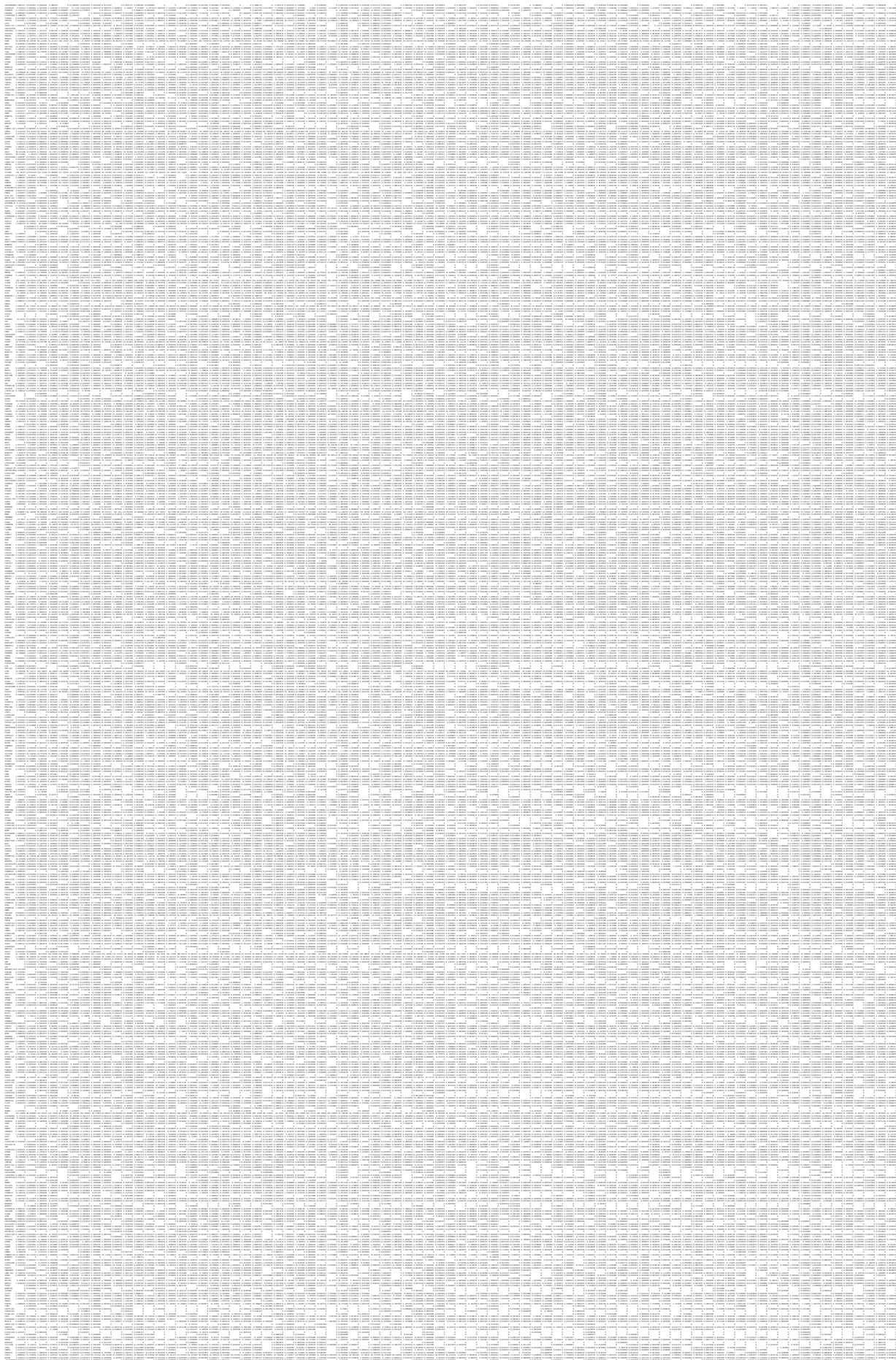
The following text is a dense, repetitive pattern of characters and symbols, likely representing a corrupted or heavily redacted document. It consists of numerous lines of text that are mostly illegible due to the high density of characters and the lack of clear structure. The text appears to be a mix of letters, numbers, and special characters, possibly representing a large dataset or a complex algorithmic output that has been rendered unreadable.

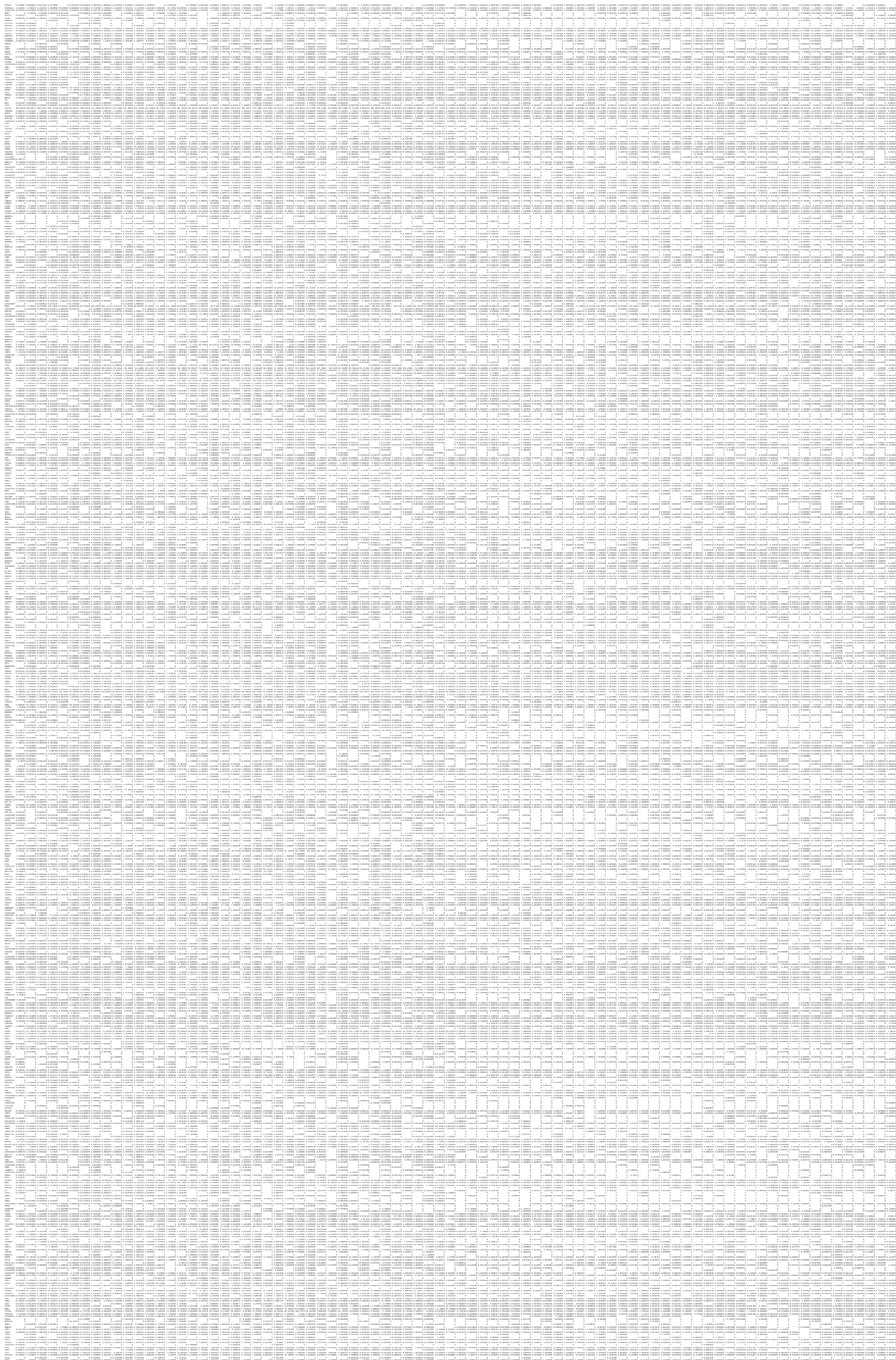
1. Introduction
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The following text is a placeholder for the main body of the document, which would contain the detailed analysis and findings of the study.

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The following text is a dense, repetitive sequence of characters and symbols, likely representing a corrupted or encoded document. It consists of numerous lines of text that are mostly illegible due to the high density and repetition of characters. The text appears to be a mix of lowercase and uppercase letters, numbers, and special characters, arranged in a way that suggests a structured document but is currently unreadable.





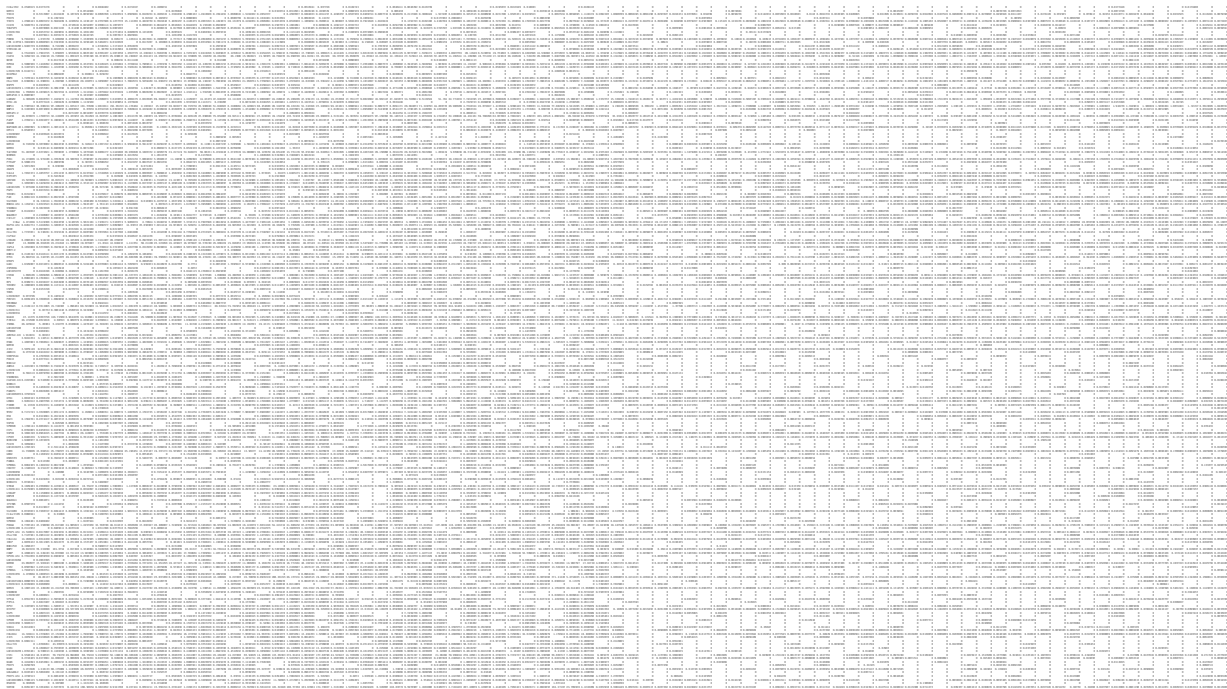


Table 4S

List 1	List 2	Intersection
OTOP2	MAPKAPK2	CA1
OTOP3	TTR	CA2
AQP8	ALB	NR1H4
KRT24	STS	BCHE
CA7	APOA2	ADH1B
KRTAP13-2	GC	TPH1
MIR122	ANG	ADH1C
SST	CASP3	CLEC4M
TMIGD1	PIM1	PCK1
BEST4	BACE1	CMA1
DAO	AKR1B1	ELANE
MYOC	#N/A	CPB1
PYY	PDE4B	CTSG
PNLIPRP3	GSR	NR3C2
GUCA2B	MAPK1	MAOB
MS4A12	MAPK8	CFD
CCDC169-SC	SULT2A1	PGR
SLC30A10	CES1	THRB
PCSK2	MAPK14	LGALS2
HSD3B2	HSD17B1	CD209
LCE2A	AMPM2	ERBB4
KRT25	TGFBR1	IL2
GCG	SHBG	KIT
DHRS7C	RORA	AKR1C2
CD177	LSS	BMP2
LINC01289	SRC	CYP2C8
LINC00307	FABP4	FGFR2
CLCA4	DUSP6	CASP7
CHAT	REN	MAPK10
SLC17A8	CHIT1	TPSB2
ABCB11	PTPN1	PDE5A
LGI1	HSD11B1	FKBP1B
PABPC1L2B	ADH5	PIK3CG
LINC00682	KDR	NR3C1
BMP3	PTPN11	KAT2B
PLP1	PDPK1	EPHX2
SCNN1G	ESRRG	AR
ABCG2	TNNC1	HSD17B11
LINC01445	F10	GSTM2
SPIB	CSNK2A1	AKR1C3
RIT2	TTPA	ACADM
PPY	PYGL	LGALS3
HTR3E-AS1	GSK3B	BST1
CA4	DPP4	GP1BA
GUCA2A	PNMT	ITPKA
PRIMA1	LCK	CTSS
OR8G5	PDE3B	ITGAL
POU3F4	PARP1	CDA
PGM5-AS1	AMY2A	CTSF

FRMPD4	ISG20	IMPA1
DPP6	LTA4H	FGFR1
HS3ST6	HMGCR	GSTM1
NPTX1	CYP2C9	TEK
FUT9	ALDH2	VDR
SLC26A3	SERPINA1	PPARD
SLC6A19	JAK3	RXRA
LINC01976	CTNNA1	PDE4D
RBFOX3	TRAPPC3	PPARG
CWH43	SOD2	AKR1C1
CLDN8	GLRX	WAS
CEACAM7	FABP7	HNF4G
LINC01264	REG1A	NMNAT1
SERPINA9	NR1H2	ITK
RHAG	NR1H3	EGFR
CMTM5	PPARA	CBR1
GBA3	SULT1E1	FECH
SLC4A4	THRA	PDK2
UGT1A8	SYK	HCK
PHOX2B	GSTT2B	CASP1
NRXN1	GSTA1	ESR1
SCGN	XIAP	CDC42
LINC00974	FABP6	ANXA5
SCGB1D2	FABP3	MDM2
CDKN2B-AS1	PLA2G2A	DHFR
NGB	RNASE4	IGF1R
VSTM2A-OT	1FHIT	FDPS
TMEM72	NR1I3	PNP
SFRP5	F7	PPP5C
SCN7A	BLVRB	CTSB
VSTM2A	RHOA	ADAM17
LINC01855	AMY1B	AKT2
STMN4	FABP5	PAPSS1
ALPI	SELP	TYMS
SPHKAP	AMD1	SDS
ZG16	TPI1	APRT
FAM135B	FKBP1A	TNK2
CDH10	RNASE3	HSP90AA1
MAMDC2	ABL1	CTSK
RERGL	JAK2	FNTA
GPM6A	NOS2	GLO1
SLC26A2	GM2A	CDK7
XKR4	DCK	GPI
P2RX2	NR1I2	PRKCQ
ATP1A2	RARB	HSPA8
TEX11	RARA	PPIA
PMP2	ZAP70	MTHFD1
ASB5	MMP2	ACPP
C2orf40	MAP2K1	CSNK1G2
LOC1019281	SETD7	DHODH
CHGA	PSAP	YARS

GABRG1	MMP16	ADK
DCAF12L1	MAN1B1	EPHA2
SLC51B	NT5M	CLPP
CHST9	TGM3	CDK6
GABRG2	CSK	HDAC8
CNTFR	AGXT	GART
OR8D1	SHMT1	KIF11
USP2	HNMT	S100A9
TRPM6	PPCDC	GNPDA1
SLC5A7	HAGH	RARG
SLC51A	RXRB	NQ01
ASTN1	MME	BCL2L1
MORN5	CCBL1	DTYMK
CADM3	PPP1CC	TK1
TMEFF2	F11	NQ02
LOC1027241	BCAT2	HSP90AB1
OR1E1	UCK2	RNASE2
VEGFD	GSTO1	CDK2
TAT	STAT1	MTAP
SLC7A14	PCTP	CCNA2
MT1M	OTC	CHEK1
SCARA5	ARF4	CRABP2
LOC1027249	GRB2	LCN2
MT1H	HINT1	GSTP1
EPHA6	GSTA3	LYZ
OR2S2	TGFB2	NOS3
PI16	CLK1	AURKA
PABPC1L2A	PIK3R1	EPHB4
FEV	GCDH	RBP4
MT1JP	SELE	SORD
MYH11	TRDMT1	IMPDH1
HAND2-AS1	ARL5A	MMP9
LINC02000	ARG1	SEC14L2
SCNN1B		MIF
TCEAL2		MMP12
MMP27		AHCY
KHDRBS2		MET
DUSP21		PGF
PKIB		PLAU
LINC00838		BIRC7
TMEM257		TREM1
RXRG		SULT2B1
FAM180B		DPEP1
LINC02023		CYP19A1
LINC00507		MMP1
SMYD1		F2
NPY2R		MMP3
TCEAL6		MMP8
SLC25A34		MMP13
PCDH11Y		PAH
SH2D7		

CADM2
PRKG2
UGT1A10
SLC9A3
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ZDHHC22
ABCA8
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HAND1
UMOD
ANPEP
HMP19
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CNGB1
ADCYAP1R1
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NPY
HTR3B
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SGCG
SYT4
LDB3
NEFM
FMN2
PLSCR5
SLC6A15
PRPH
KCNB1
LYVE1
CDH19
B4GALNT2
EPHA7
ZMAT4
GCNT2
PDZRN4
AGTR1
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TCEAL5
CISTR
GPR12
SYT10
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SVOPL
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PHOX2A
SPOCK3
SPATA4
LINC01497
OGN
PP7080
AKR1B10
HAND2
PYGM
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LONRF2
MT1G
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ANGPTL1
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GPR15
LMX1A
RIMS4
DPT
B3GALT5-AS1
SORCS1
FOXD3
COL6A5

ACTG2
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ADTRP
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GRIK3
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SOHLH2
PKHD1L1
DHRS9
NEFL
AVPR1B
TMEM100
CNN1
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EDN3
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ATP2B3
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KCNE2
IGSF11
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PLD5
KRT27
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HLA2
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HPSE2
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ESRG
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MIR6728
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OXTR
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STEAP2-AS1

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LOC101929227
EVX1
DNAH2
TSPEAR
LOC440742
BMP7
LOC101928012
IGFBP1
PSAPL1
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TMEM249

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ZNF556
RNF182
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GNGT1
LUCAT1
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HES7
FOLR1
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ALKAL1
MIR6087
PGGHG
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WT1-AS
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C2orf70
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DIRC1

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HAGHL
CBX2
GAST
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C19orf81
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IGFL3
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SP5
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ASCL5
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LINC01711
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LINC01819
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IGFL2
DUSP9
MIR4321
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DSG3
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LOC101926964
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SMILR
LINC01827
Clorf158
CLPSL1
MCIDAS

TPRXL
MMP20
LINC01429
LOC101927120
LOC100129940
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MY016-AS1
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DLGAP1-AS5
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LPO
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LYZL4
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PGC
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CHST4
SPZ1
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NKD2
HOXC11

NKD1
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LINC00592
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TG
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GJB5
ULBP2
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EPHA8
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UNC93A
LINC01613
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IRX5
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KRT83
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AKAP4
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UCN2
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MAGEB17
CXCL17
ELFN1-AS1

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NEUROG2
SNHG25
LINC01511
LINC00534
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PIWIL1
INHBA
LOC102724623
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ZIC2
AKR1C4
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FOXI3
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AMELX
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WNT7B
SNORD38A
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LEMD1
FIRRE

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SPRR1B
C3P1
NXPH4
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GBX2
ONECUT3
FAM9A
SPRR2A
CRAT37
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LINC01411
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OBP2B
MAGEA11
IFITM5
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C14orf105
KRT32
SPRR2D
FOXQ1
LINC01169
AFAP1-AS1
C5orf46
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IBSP
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MMP7
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SPRR1A
LINC01655
CEL
LOC102724908
LINC01913

KRT23
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LINC02187
SFTA2
PTF1A
EPYC
DUSP27
ELF5
LINC01602
SPERT
LINC01050
SOX14
LINC01234
COL10A1
ZIC5
LINC01593
C6orf15
CST4
LOC101927884
CST1
KLK7
KLK8
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GOLGA6L2
FEZF1-AS1
LOC100190940
RNA5S9
NOTUM

THRB	KAT2B	4446585	4435311	9606. ENSP09606. ENSP0	0	0	0	0	0.061	0.194	0.6	0.177	0.717
MET	EGFR	4439114	4436186	9606. ENSP09606. ENSP0	0	0	0	0.58	0.229	0.418	0	0.933	0.715
AKT2	CCNA2	4445979	4436109	9606. ENSP09606. ENSP0	0	0	0	0	0	0.354	0	0.571	0.711
CHEK1	HSP90AB1	4447561	4443770	9606. ENSP09606. ENSP0	0	0	0	0	0.062	0.416	0	0.513	0.71
MAOB	BCHE	4444997	4435424	9606. ENSP09606. ENSP0	0.045	0	0	0	0.086	0	0	0.694	0.71
CYP2C8	GSTM2	4443714	4433798	9606. ENSP09606. ENSP0	0	0	0	0	0	0.077	0.65	0.176	0.71
MMP9	PPARG	4443919	4436745	9606. ENSP09606. ENSP0	0	0	0	0	0	0	0	0.709	0.709
MAOB	ADH1B	4444997	4438237	9606. ENSP09606. ENSP0	0	0	0	0	0.104	0	0.65	0.142	0.707
EPHA2	HSP90AA1	4442119	4440643	9606. ENSP09606. ENSP0	0	0	0	0	0.048	0.244	0	0.625	0.707
HSP90AA1	MDM2	4440643	4434604	9606. ENSP09606. ENSP0	0	0	0	0	0	0.348	0	0.568	0.706
AR	BCL2L1	4444436	4437866	9606. ENSP09606. ENSP0	0	0	0	0	0	0.064	0	0.698	0.706
GSTP1	GSTM2	4446837	4433798	9606. ENSP09606. ENSP0	0	0	0	0.803	0	0	0.65	0.801	0.704
HSP90AA1	MET	4440643	4439114	9606. ENSP09606. ENSP0	0	0	0	0	0	0.452	0	0.483	0.704
PGF	IGF1R	4450339	4435797	9606. ENSP09606. ENSP0	0	0	0	0	0	0	0.6	0.287	0.702
F2	BCHE	4438421	4435424	9606. ENSP09606. ENSP0	0	0	0	0	0.126	0.052	0	0.669	0.701

Table 6S

Top 15 in network 0.7PPIstring_interactions ranked by degree method

Rank	Name	Score
1	EGFR	20
2	MMP9	19
3	HSP90AA1	18
4	AR	17
5	ESR1	15
6	MDM2	13
7	HSP90AB1	12
8	TYMS	11
8	CDK2	11
8	RXRA	11
8	PGR	11
8	NR3C1	11
13	CCNA2	10
13	CHEK1	10
15	BCL2L1	9

Table 7S

Pw	Count	PValue	FDR
cytosol	77	4.21E-20	5.30E-17
extracellu	58	6.52E-12	8.22E-09
extracellu	40	3.12E-10	3.93E-07
extracellu	35	2.02E-09	2.54E-06
cytoplasm	68	1.19E-05	0.0149911
nucleoplas	44	1.40E-05	0.0175977
cell surfa	16	3.60E-05	0.0453097
endolysosc	3	3.89E-04	0.4890617
receptor c	7	5.98E-04	0.7513211
extracellu	10	7.13E-04	0.8944314
focal adhe	10	0.00471	5.7772062
mitochondr	9	0.0053124	6.4934207
membrane	30	0.005562	6.788777
myelin she	6	0.0080481	9.6837811
melanosome	5	0.0092819	11.089567
cell-cell	6	0.0132426	15.467336
intracellu	11	0.015806	18.193978
basolatera	6	0.0158392	18.228727
cyclin A2-	2	0.0161768	18.581572
nucleus	57	0.0203152	22.794604
nuclear ch	6	0.0207427	23.218127
mitochondr	19	0.0226223	25.055208
ruffle mer	4	0.0291687	31.142207
RNA polyme	3	0.0293451	31.299724
apical pla	7	0.0316746	33.34926
lysosomal	4	0.0319701	33.605116
lysosome	6	0.0373457	38.105618
spindle mi	3	0.0496366	47.360724
leading ed	2	0.0631641	56.062857
proteinace	6	0.0677539	58.700332

Table 8S

Pw	Count	PValue	FDR
steroid hc	13	5.71E-14	8.15E-11
serine-tyr	17	9.39E-10	1.34E-06
transmembr	9	1.19E-09	1.70E-06
ATP bindin	38	5.48E-09	7.83E-06
protein ty	12	2.62E-08	3.75E-05
zinc ion b	32	2.65E-08	3.79E-05
identical	24	1.71E-07	2.44E-04
drug bindi	9	3.46E-07	4.95E-04
RNA polyme	7	6.69E-07	9.56E-04
endopeptid	7	7.79E-06	0.0111211
enzyme bin	14	8.15E-06	0.0116465
protein ki	14	1.81E-05	0.025886
oxidoreduc	4	3.65E-05	0.0521733
nitric-oxi	4	3.65E-05	0.0521733
steroid bi	5	8.73E-05	0.1246917
cysteine-t	6	2.00E-04	0.2855515
phosphatid	6	2.16E-04	0.3083788
ketosteroi	3	2.31E-04	0.3291885
retinoid X	4	2.84E-04	0.4044211
cysteine-t	5	3.41E-04	0.485572
oxidoreduc	9	4.04E-04	0.5756161
phenanthre	3	4.59E-04	0.6535665
trans-1,2-	3	4.59E-04	0.6535665
metalloend	7	4.97E-04	0.7079339
Ras guanyl	7	5.46E-04	0.7768751
protein hc	17	7.32E-04	1.0401524
kinase act	9	0.0013605	1.9258602
alditol:NA	3	0.0015786	2.2313228
carboxylic	3	0.0015786	2.2313228
collagen b	5	0.0019372	2.7317817
bile acid	3	0.0020926	2.9478305
sequence-s	13	0.0021673	3.0515356
protein bi	96	0.0024633	3.4614612
virion bin	3	0.0033244	4.6449806
receptor s	3	0.0033244	4.6449806
glutathion	3	0.0040396	5.6178193
proteoglyc	3	0.0040396	5.6178193
receptor b	10	0.0041547	5.7735066
catalytic	7	0.0065051	8.9007705
MHC class	3	0.0085628	11.558993
scaffold p	4	0.0087198	11.758923
transferas	5	0.0103444	13.802179
retinol de	3	0.0107924	14.357869
iron ion b	6	0.0115478	15.287367
monooxygen	4	0.014595	18.942125
CTP bindin	2	0.0175756	22.374699
protein ph	4	0.0181958	23.071764
protein ki	9	0.0185702	23.489676
protein se	9	0.0185702	23.489676

glycoprote	4	0.019762	24.806138
indanol de	2	0.026248	31.608829
ICAM-3 rec	2	0.026248	31.608829
UTP bindin	2	0.026248	31.608829
sulfonylur	2	0.026248	31.608829
vitamin D	2	0.026248	31.608829
ATPase bin	4	0.0277036	33.054738
carbohydra	6	0.0300332	35.309726
nucleoside	2	0.0348443	39.744942
dATP bindi	2	0.0348443	39.744942
Rho GDP-di	2	0.0348443	39.744942
metallopep	4	0.0348878	39.783707
cyclin-dep	3	0.036107	40.861167
glutathion	3	0.0380779	42.565169
ubiquitin	7	0.0420763	45.882689
TPR domain	2	0.0433653	46.913548
fibroblast	2	0.0433653	46.913548
arachidoni	2	0.0433653	46.913548
retinoic a	2	0.0433653	46.913548
electron c	4	0.0453963	48.500901
peptidase	4	0.0453963	48.500901
alcohol de	2	0.0518115	53.22965
arylester	2	0.0518115	53.22965
heat shock	3	0.0529549	54.028843
heparin bi	5	0.0534475	54.3692
growth fac	5	0.0550198	55.439985
l-phosphat	3	0.0552247	55.577812
small mole	2	0.0601837	58.794588
non-membra	3	0.0622336	60.05996
retinoid b	2	0.0684824	63.697659
thyroid hc	2	0.0684824	63.697659
unfolded p	4	0.0736087	66.449238
ion channe	4	0.0783823	68.835896
retinal bi	2	0.0848621	71.823597
ephrin rec	2	0.0929443	75.176896
peptide bi	3	0.0956377	76.209206

Table 9S

Pw	Count	PValue	FDR
steroid hc	11	6.31E-11	1.06E-07
negative r	20	1.95E-08	3.28E-05
positive r	18	7.70E-07	0.0012942
positive r	7	1.30E-05	0.0218364
response t	13	1.62E-05	0.0272914
positive r	8	1.33E-04	0.2226868
glucose me	6	3.09E-04	0.518887
positive r	10	5.31E-04	0.8898674
positive r	6	8.77E-04	1.4649836
response t	6	9.26E-04	1.5450522
positive r	5	0.0013016	2.1663835
endocytosi	7	0.0014537	2.4167745
innate imm	12	0.0015107	2.5102745
positive r	4	0.0020723	3.4283755
daunorubic	3	0.0020866	3.4516013
doxorubici	3	0.0020866	3.4516013
mesenchyma	3	0.0020866	3.4516013
angiogenes	8	0.0036501	5.9642369
regulation	3	0.0040281	6.5623449
response t	7	0.0042126	6.8530181
positive r	7	0.0045768	7.4242074
cell proli	10	0.0051941	8.3850301
positive r	5	0.0057026	9.1692703
positive r	7	0.0058311	9.3664356
negative r	14	0.0112413	17.313224
nucleoside	3	0.0119594	18.31734
G1/S trans	5	0.0126462	19.26696
negative r	4	0.0132274	20.062381
cellular c	3	0.0145192	21.804169
regulation	4	0.0181254	26.479321
Notch sign	5	0.0188582	27.396706
leukocyte	3	0.0202717	29.135693
cellular p	5	0.0205175	29.434061
drug metab	3	0.0234481	32.901895
regulation	4	0.0239022	33.424563
negative r	9	0.0242139	33.781283
regulation	6	0.0243397	33.924619
regulation	3	0.025108	34.794227
Fc-gamma r	5	0.0260224	35.815149
apoptotic	11	0.0286708	38.687859
G2/M trans	5	0.0330569	43.181063
cell surfa	7	0.034598	44.684902
regulation	2	0.0347946	44.873992
cell divis	8	0.0356054	45.647567
extrinsic	3	0.036011	46.030749
positive r	10	0.0388349	48.628704
deoxyribon	2	0.0433037	52.500831
mitotic ce	2	0.0433037	52.500831
negative r	3	0.0441129	53.17199

negative r	3	0.0483932	56.576099
pyrimidine	2	0.0517382	59.07284
tetrahydc	2	0.0517382	59.07284
positive r	3	0.0528178	59.849383
cellular r	4	0.0529858	59.968989
T cell act	3	0.0644692	67.394155
humoral in	3	0.0899906	79.521824
regulation	4	0.0966711	81.908317

Table 10S

Pw	Count	PValue	FDR
Pathways i	26	1.82E-08	2.30E-05
PI3K-Akt s	21	2.57E-06	0.0032423
Prostate c	11	3.22E-06	0.0040628
Progesterone	9	1.49E-04	0.188181
Ras signal	14	1.84E-04	0.2315246
Melanoma	8	2.54E-04	0.3198339
Metabolism	8	3.28E-04	0.4138799
Rap1 signal	13	3.49E-04	0.4396727
Estrogen s	9	3.66E-04	0.4605876
Metabolic	38	4.98E-04	0.6265678
Proteoglyc	12	8.53E-04	1.0713798
Central ca	7	9.30E-04	1.1671398
Pancreatic	7	0.0010093	1.2667145
Drug metab	7	0.0012805	1.6045253
Measles	9	0.0025263	3.1428553
Transcript	10	0.0029123	3.6149281
Chemical c	7	0.0029547	3.6667422
Small cell	7	0.0040007	4.9347696
One carbon	4	0.0050922	6.2416961
Glioma	6	0.0059139	7.2144883
PPAR signal	6	0.0067222	8.1624407
Adherens j	6	0.0085656	10.291073
FoxO signal	8	0.0099392	11.847529
Thyroid hc	7	0.0167224	19.17578
Non-small	5	0.0174847	19.963265
Steroid hc	5	0.0196568	22.168547
Epstein-Ba	7	0.0217359	24.226829
Tyrosine p	4	0.0240853	26.492365
HIF-1 sign	6	0.0283291	30.427264
Viral carc	9	0.0301066	32.016962
Epithelial	5	0.0314446	33.191488
T cell rec	6	0.0330034	34.536245
Pyrimidine	6	0.0342428	35.58764
Adipocytok	5	0.0361261	37.155535
Phenylalan	3	0.0361997	37.216102
Bladder ca	4	0.0363284	37.321809
Purine met	8	0.0378885	38.590841
Chronic my	5	0.0394595	39.844755
TNF signal	6	0.0422851	42.04094
Insulin re	6	0.0437275	43.133321
Hepatitis	7	0.0450725	44.134832
Antigen pr	5	0.0466373	45.279609
Fc gamma R	5	0.063027	56.038216
AMPK signal	6	0.0689064	59.396499
ErbB signal	5	0.0698614	59.919124
Cell cycle	6	0.0708211	60.438075
Rheumatoid	5	0.0722214	61.184175
Focal adhe	8	0.0754628	62.861844
NOD-like r	4	0.0781099	64.182102

Acute myel	4	0.0781099	64.182102
Regulation	8	0.0817074	65.90713
Biosynthes	8	0.0849394	67.391343
Nicotinate	3	0.0941881	71.316212
VEGF signa	4	0.0952433	71.735194
Arachidoni	4	0.0952433	71.735194
Apoptosis	4	0.0988413	73.121837