	KEGG Pathway E	Enrichment							
Breast cancer Hippo signaling pathway Axon guidance	•								
Gastric cancer Proteoglycans in cancer									
Wnt signaling pathway  MAPK signaling pathway	•								
Signaling pathways regulating pluripotency of stem cells  Human papillomavirus infection  Cushing's syndrome	•								
Endocytosis Hepatocellular carcinoma	•								
Chronic myeloid leukemia  Basal cell carcinoma	•								
mTOR signaling pathway Hedgehog signaling pathway Colorectal cancer	•								
Endocrine resistance  HTLV-I infection	•								
Bacterial invasion of epithelial cells Sphingolipid signaling pathway									
Protein processing in endoplasmic reticulum ErbB signaling pathway	•								
Cell cycle TGF-beta signaling pathway Focal adhesion	•								
Non-small cell lung cancer  Rap1 signaling pathway	•								
Dopaminergic synapse  Adherens junction	•								
EGFR tyrosine kinase inhibitor resistance Pancreatic cancer	•								
Thyroid hormone signaling pathway  Autophagy – animal	•								
Melanogenesis  Neurotrophin signaling pathway  Cholinergic synapse	•								
Small cell lung cancer Glutamatergic synapse	•					•	•	•	
Renal cell carcinoma cAMP signaling pathway	•								
Shigellosis  Gap junction									
Ubiquitin mediated proteolysis Endometrial cancer Circadian entrainment	•								
Cellular senescence Thyroid cancer	•								
Relaxin signaling pathway  Regulation of actin cytoskeleton									
Phospholipase D signaling pathway  Mannose type O-glycan biosynthesis  Hepatitis B	•								
Hepatitis B Prostate cancer Arrhythmogenic right ventricular cardiomyopathy (ARVC)	•								
Arrnythmogenic right ventricular cardiomyopathy (ARVC) Oxytocin signaling pathway AMPK signaling pathway	•								
Prolactin signaling pathway FoxO signaling pathway									
PI3K–Akt signaling pathway  AGE–RAGE signaling pathway in diabetic complications  Glycosaminoglycan biosynthesis – chondroitin sulfate / dermatan sulfate									
Glycosaminoglycan biosynthesis – chondroitin sulfate / dermatan sulfate  Lysine degradation  Insulin resistance	•								
Adrenergic signaling in cardiomyocytes  Cocaine addiction	•								
p53 signaling pathway cGMP–PKG signaling pathway									
Longevity regulating pathway  Pathogenic Escherichia coli infection	•								
Insulin signaling pathway  Morphine addiction  Pyrimidine metabolism	•						•		
Synaptic vesicle cycle Ras signaling pathway	•								
Other types of O-glycan biosynthesis VEGF signaling pathway									
Retrograde endocannabinoid signaling  Central carbon metabolism in cancer	•								
Glioma Hippo signaling pathway – multiple species Alzheimer's disease								•	
Choline metabolism in cancer  Apoptosis	•								
Thermogenesis  Purine metabolism	•								GeneRatio
Melanoma Long-term depression	•								<ul><li>0.02</li><li>0.04</li><li>0.06</li></ul>
Parkinson's disease  RNA degradation									p.adjust 
Long-term potentiation Viral carcinogenesis Protein export	•								0.02 0.01
N–Glycan biosynthesis Base excision repair	•								
Epstein–Barr virus infection Acute myeloid leukemia	•								
HIF-1 signaling pathway  Transcriptional misregulation in cancer	•						•		
Notch signaling pathway Huntington's disease Phosphatidylinositol signaling system	•								
Insulin secretion Mitophagy – animal	•		•	•	•				
Bladder cancer Vibrio cholerae infection									
Sphingolipid metabolism  Glycosaminoglycan biosynthesis – keratan sulfate									
Dilated cardiomyopathy (DCM) Inositol phosphate metabolism Circadian rhythm	•								
Type II diabetes mellitus Calcium signaling pathway						•	•		
Glycosaminoglycan biosynthesis – heparan sulfate / heparin Fc gamma R-mediated phagocytosis							•		
GABAergic synapse  Aldosterone synthesis and secretion									
Regulation of lipolysis in adipocytes  Amphetamine addiction  Tight junction									
Non-alcoholic fatty liver disease (NAFLD)  Apelin signaling pathway	•							•	
Hypertrophic cardiomyopathy (HCM)  Cortisol synthesis and secretion						•			
SNARE interactions in vesicular transport  Amyotrophic lateral sclerosis (ALS)  TNF signaling pathway									
TNF signaling pathway  GnRH signaling pathway  ECM-receptor interaction									
Platelet activation Spliceosome				•	•				
Oxidative phosphorylation  Valine, leucine and isoleucine degradation									
Lysosome  Homologous recombination  Peroxisome									
Peroxisome Fanconi anemia pathway Longevity regulating pathway – multiple species									
RNA polymerase  Nucleotide excision repair									
DNA replication  Proteasome									
RNA transport  Vasopressin-regulated water reabsorption  Mismatch repair									
Autophagy – other  Nicotinate and nicotinamide metabolism									
Glycosylphosphatidylinositol (GPI)-anchor biosynthesis Amino sugar and nucleotide sugar metabolism									
Epithelial cell signaling in Helicobacter pylori infection  Progesterone-mediated oocyte maturation  Propangate metabolism									
Propanoate metabolism  Ubiquinone and other terpenoid-quinone biosynthesis  Fatty acid metabolism									
Kaposi's sarcoma–associated herpesvirus infection Citrate cycle (TCA cycle)									
Glycerophospholipid metabolism Sulfur metabolism									
Gastric acid secretion  Bile secretion  Inflammatory mediator regulation of TRP channels									
Inflammatory mediator regulation of TRP channels Glucagon signaling pathway Vascular smooth muscle contraction									
Mucin type O-glycan biosynthesis Salivary secretion									
Thyroid hormone synthesis Estrogen signaling pathway									
Pancreatic secretion  Fc epsilon RI signaling pathway  Ovarian steroidogenesis									
Ovarian steroidogenesis Endocrine and other factor-regulated calcium reabsorption Amoebiasis									
Serotonergic synapse  Cell adhesion molecules (CAMs)									
Glycerolipid metabolism  Protein digestion and absorption									
Leukocyte transendothelial migration ABC transporters	AllUMR	PrenatalUMR	PostnatalUMR	NeuronsUMR	GliaUMR	PostnatalLMR	NeuronsLMR	GliaLMR	
	AllUMR (4233)	PrenatalUMR (4279)	PostnatalUMR (5066)	NeuronsUMR (5101)	GliaUMR (5149)	PostnatalLMR (889)	NeuronsLMR (1392)	GliaLMR (2182)	