**S4 Table. The result of Solexa/Illumina sequencing for pathway analysis of differentially expressed genes based on the Kyoto Encyclopedia of Genes and Genomes (KEGG) database.**

|  |  |  |
| --- | --- | --- |
|  | Pathway | **Differentially expressed genes** |
| 1 | [Neuroactive ligand-receptor interaction](pathway%20map/1%20map04080.png) | gnl|UG|Ssc#S55325311, gnl|UG|Ssc#S55285749, gnl|UG|Ssc#S55325496, gi|47523119|ref|NM\_213869.1|, gnl|UG|Ssc#S46876395, gnl|UG|Ssc#S55325364, gnl|UG|Ssc#S20116300, gnl|UG|Ssc#S6090246, gi|47522633|ref|NM\_213926.1|, gnl|UG|Ssc#S55325522, gnl|UG|Ssc#S52891623 |
| 2 | [Complement and coagulation cascades](pathway%20map/2%20map04610.png) | gnl|UG|Ssc#S20116317, gnl|UG|Ssc#S58309878, gnl|UG|Ssc#S20116701, gnl|UG|Ssc#S6091069, gnl|UG|Ssc#S42951501, gnl|UG|Ssc#S18553219, gnl|UG|Ssc#S20116353 |
| 3 | [Prion diseases](pathway%20map/3%20map05020.png%22%20%5Co%20%22click%20to%20view%20map%22%20%5Ct%20%22_blank) | gnl|UG|Ssc#S20116317, gnl|UG|Ssc#S18553219, gnl|UG|Ssc#S58312433, gnl|UG|Ssc#S58312428 |
| 4 | [Systemic lupus erythematosus](pathway%20map/4%20map05322.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S20116317, gnl|UG|Ssc#S58309878, gnl|UG|Ssc#S20116701, gnl|UG|Ssc#S42951501, gnl|UG|Ssc#S18553219 |
| 5 | [Staphylococcus aureus infection](pathway%20map/5%20map05150.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S58309878, gnl|UG|Ssc#S20116701, gnl|UG|Ssc#S42951501, gnl|UG|Ssc#S18553219 |
| 6 | [Cytokine-cytokine receptor interaction](pathway%20map/6%20map04060.png) | gnl|UG|Ssc#S35171399, gnl|UG|Ssc#S55325496, gi|47523119|ref|NM\_213869.1|, gnl|UG|Ssc#S58305733, gi|47522633|ref|NM\_213926.1|, gnl|UG|Ssc#S55325522, gnl|UG|Ssc#S34273825 |
| 7 | [Salivary secretion](pathway%20map/7%20map04970.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S55283891, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S58300922 |
| 8 | [GnRH signaling pathway](pathway%20map/8%20map04912.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S55325311, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S52891623 |
| 9 | [Jak-STAT signaling pathway](pathway%20map/9%20map04630.png) | gnl|UG|Ssc#S55325496, gi|47523119|ref|NM\_213869.1|, gnl|UG|Ssc#S58305733, gi|47522633|ref|NM\_213926.1|, gnl|UG|Ssc#S55325522 |
| 10 | [Autoimmune thyroid disease](pathway%20map/10%20map05320.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S20116300, gnl|UG|Ssc#S34273825 |
| 11 | [ECM-receptor interaction](pathway%20map/11%20map04512.png) | gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858, gnl|UG|Ssc#S46875662, gnl|UG|Ssc#S6091069 |
| 12 | [Taste transduction](pathway%20map/12%20map04742.png) | gnl|UG|Ssc#S58313056, gnl|UG|Ssc#S58309851 |
| 13 | [Lysine biosynthesis](pathway%20map/13%20map00300.png) | gnl|UG|Ssc#S35328054 |
| 14 | [Calcium signaling pathway](pathway%20map/14%20map04020.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58313056, gnl|UG|Ssc#S46876395, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S58300922, gnl|UG|Ssc#S58305222 |
| 15 | [MAPK signaling pathway](pathway%20map/15%20map04010.png) | gnl|UG|Ssc#S58313056, gnl|UG|Ssc#S58314746, gnl|UG|Ssc#S55327735, gnl|UG|Ssc#S35166542, gnl|UG|Ssc#S55326563, gnl|UG|Ssc#S46879502, gnl|UG|Ssc#S34273825 |
| 16 | [Allograft rejection](pathway%20map/16%20map05330.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S34273825 |
| 17 | [Leishmaniasis](pathway%20map/17%20map05140.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S20116701, gnl|UG|Ssc#S35166542 |
| 18 | [Graft-versus-host disease](pathway%20map/18%20map05332.png) | gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S34273825 |
| 19 | [Chagas disease (American trypanosomiasis)](pathway%20map/19%20map05142.png) | gnl|UG|Ssc#S20116701, gnl|UG|Ssc#S18553219, gnl|UG|Ssc#S35166542, gnl|UG|Ssc#S34273825 |
| 20 | [Cysteine and methionine metabolism](pathway%20map/20%20map00270.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S46879456 |
| 21 | [Phenylalanine, tyrosine and tryptophan biosynthesis](pathway%20map/21%20map00400.png) | gnl|UG|Ssc#S56448572 |
| 22 | [Phototransduction](pathway%20map/22%20map04744.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58312740 |
| 23 | [Type I diabetes mellitus](pathway%20map/23%20map04940.png) | gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S34273825 |
| 24 | [Rheumatoid arthritis](pathway%20map/24%20map05323.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S35171399, gnl|UG|Ssc#S35166542 |
| 25 | [Fc gamma R-mediated phagocytosis](pathway%20map/25%20map04666.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58306512, gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S46881169, gnl|UG|Ssc#S58305222 |
| 26 | [Phagosome](pathway%20map/26%20map04145.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S35167297, gnl|UG|Ssc#S58309878, gnl|UG|Ssc#S20116701 |
| 27 | [Long-term potentiation](pathway%20map/27%20map04720.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S18357620 |
| 28 | [Sulfur relay system](pathway%20map/28%20map04122.png) | gnl|UG|Ssc#S46879456 |
| 29 | [Fatty acid metabolism](pathway%20map/29%20map00071.png) | gnl|UG|Ssc#S35328054, gnl|UG|Ssc#S55325470 |
| 30 | [Renin-angiotensin system](pathway%20map/30%20map04614.png) | gnl|UG|Ssc#S46876867 |
| 31 | [Ether lipid metabolism](pathway%20map/31%20map00565.png) | gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S23212902 |
| 32 | [B cell receptor signaling pathway](pathway%20map/32%20map04662.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58306512, gnl|UG|Ssc#S58312169, gnl|UG|Ssc#S35166542 |
| 33 | [Arginine and proline metabolism](pathway%20map/33%20map00330.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S35328054 |
| 34 | [Primary immunodeficiency](pathway%20map/34%20map05340.png) | gnl|UG|Ssc#S55242440, gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S35172157 |
| 35 | [Intestinal immune network for IgA production](pathway%20map/35%20map04672.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S35171399 |
| 36 | [Tyrosine metabolism](pathway%20map/36%20map00350.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S25665854 |
| 37 | [Type II diabetes mellitus](pathway%20map/37%20map04930.png) | gnl|UG|Ssc#S58313056, gnl|UG|Ssc#S58313090 |
| 38 | [Ribosome](pathway%20map/38%20map03010.png) | gnl|UG|Ssc#S39884104, gnl|UG|Ssc#S35164089, gnl|UG|Ssc#S40379983, gnl|UG|Ssc#S35324522 |
| 39 | [Phototransduction - fly](pathway%20map/39%20map04745.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58305647 |
| 40 | [Aldosterone-regulated sodium reabsorption](pathway%20map/40%20map04960.png) | gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S58309851 |
| 41 | [Cell adhesion molecules (CAMs)](pathway%20map/41%20map04514.png) | gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S58305017, gnl|UG|Ssc#S46875662 |
| 42 | Glycosaminoglycan biosynthesis - heparan sulfate (no map in kegg database) | gnl|UG|Ssc#S58304506 |
| 43 | [Ascorbate and aldarate metabolism](pathway%20map/43%20map00053.png) | gnl|UG|Ssc#S35328054 |
| 44 | [Gastric acid secretion](pathway%20map/44%20map04971.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S58304058 |
| 45 | [Oocyte meiosis](pathway%20map/45%20map04114.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S55327595 |
| 46 | [Phenylalanine metabolism](pathway%20map/46%20map00360.png) | gnl|UG|Ssc#S56448572 |
| 47 | [Glycosphingolipid biosynthesis - lacto and neolacto series](pathway%20map/47%20map00601.png) | gnl|UG|Ssc#S55319682 |
| 48 | [Glycosaminoglycan biosynthesis - chondroitin sulfate](pathway%20map/48%20map00532.png) | gnl|UG|Ssc#S58304506 |
| 49 | [Mucin type O-Glycan biosynthesis](pathway%20map/49%20map00512.png)  | gnl|UG|Ssc#S58311970 |
| 50 | [Osteoclast differentiation](pathway%20map/50%20map04380.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58307436, gnl|UG|Ssc#S35166542 |
| 51 | [Pancreatic secretion](pathway%20map/51%20map04972.png) | gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S58300922 |
| 52 | [Toxoplasmosis](pathway%20map/52%20map05145.png) | gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858 |
| 53 | [MAPK signaling pathway - fly](pathway%20map/53%20map04013.png) | gnl|UG|Ssc#S58303491 |
| 54 | [Natural killer cell mediated cytotoxicity](pathway%20map/54%20map04650.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S58306512, gnl|UG|Ssc#S34273825 |
| 55 | [Circadian rhythm - mammal](pathway%20map/55%20map04710.png) | gnl|UG|Ssc#S58311511 |
| 56 | [Endocytosis](pathway%20map/56%20map04144.png) | gnl|UG|Ssc#S16592156, gnl|UG|Ssc#S35164870, gnl|UG|Ssc#S58313090, gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S46881169 |
| 57 | [African trypanosomiasis](pathway%20map/57%20map05143.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S34273825 |
| 58 | [beta-Alanine metabolism](pathway%20map/58%20map00410.png) | gnl|UG|Ssc#S35328054 |
| 59 | [Alanine, aspartate and glutamate metabolism](pathway%20map/59%20map00250.png) | gnl|UG|Ssc#S56448572 |
| 60 | [Long-term depression](pathway%20map/60%20map04730.png) | gnl|UG|Ssc#S58313056, gnl|UG|Ssc#S58304058 |
| 61 | [Parkinson's disease](pathway%20map/61%20map05012.png) | gnl|UG|Ssc#S40474453, gnl|UG|Ssc#S19548913, gnl|UG|Ssc#S6054441 |
| 62 | [Histidine metabolism](pathway%20map/62%20map00340.png) | gnl|UG|Ssc#S35328054 |
| 63 | [Bile secretion](pathway%20map/63%20map04976.png) | gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S35167355 |
| 64 | [T cell receptor signaling pathway](pathway%20map/64%20map04660.png) | gnl|UG|Ssc#S58307436, gnl|UG|Ssc#S58306512, gnl|UG|Ssc#S35166542 |
| 65 | [Asthma](pathway%20map/65%20map05310.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117 |
| 66 | [RNA polymerase](pathway%20map/66%20map03020.png) | gnl|UG|Ssc#S58303491 |
| 67 | [Sphingolipid metabolism](pathway%20map/67%20map00600.png) | gnl|UG|Ssc#S58305222 |
| 68 | [Neurotrophin signaling pathway](pathway%20map/68%20map04722.png) | gnl|UG|Ssc#S58300959, gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S34273825 |
| 69 | [Drug metabolism - other enzymes](pathway%20map/69%20map00983.png) | gnl|UG|Ssc#S58305630 |
| 70 | [PPAR signaling pathway](pathway%20map/70%20map03320.png) | gnl|UG|Ssc#S43178458, gnl|UG|Ssc#S55325470 |
| 71 | [Pathways in cancer](pathway%20map/71%20map05200.png) | gnl|UG|Ssc#S55323247, gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858, gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S35166542, gnl|UG|Ssc#S34273825 |
| 72 | [Glycine, serine and threonine metabolism](pathway%20map/72%20map00260.png) | gnl|UG|Ssc#S35328054 |
| 73 | [Proximal tubule bicarbonate reclamation](pathway%20map/73%20map04964.png) | gnl|UG|Ssc#S55327620 |
| 74 | [Melanogenesis](pathway%20map/74%20map04916.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S25665854 |
| 75 | [Small cell lung cancer](pathway%20map/75%20map05222.png) | gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858 |
| 76 | [Propanoate metabolism](pathway%20map/76%20map00640.png) | gnl|UG|Ssc#S35328054 |
| 77 | [Leukocyte transendothelial migration](pathway%20map/77%20map04670.png) | gnl|UG|Ssc#S35171399, gnl|UG|Ssc#S46875662, gnl|UG|Ssc#S58306512 |
| 78 | [Dorso-ventral axis formation](pathway%20map/78%20map04320.png) | gnl|UG|Ssc#S58304300 |
| 79 | [Focal adhesion](pathway%20map/79%20map04510.png) | gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858, gnl|UG|Ssc#S6091069, gnl|UG|Ssc#S58306512 |
| 80 | [Tryptophan metabolism](pathway%20map/80%20map00380.png) | gnl|UG|Ssc#S35328054 |
| 81 | [Arrhythmogenic right ventricular cardiomyopathy (ARVC)](pathway%20map/81%20map05412.png) | gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58314746 |
| 82 | [Axon guidance](pathway%20map/82%20map04360.png) | gnl|UG|Ssc#S58300957, gnl|UG|Ssc#S35171399, gnl|UG|Ssc#S58312543 |
| 83 | [Pyruvate metabolism](pathway%20map/83%20map00620.png) | gnl|UG|Ssc#S35328054 |
| 84 | [Nucleotide excision repair](pathway%20map/84%20map03420.png) | gnl|UG|Ssc#S56448572 |
| 85 | [Antigen processing and presentation](pathway%20map/85%20map04612.png) | gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156 |
| 86 | Other types of O-glycan biosynthesis (no map in kegg database) | gnl|UG|Ssc#S46878343 |
| 87 | [Amoebiasis](pathway%20map/87%20map05146.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58308537, gnl|UG|Ssc#S43495858 |
| 88 | [Phosphatidylinositol signaling system](pathway%20map/88%20map04070.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58304058 |
| 89 | [Protein digestion and absorption](pathway%20map/89%20map04974.png) | gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S46880230 |
| 90 | [Amino sugar and nucleotide sugar metabolism](pathway%20map/90%20map00520.png) | gnl|UG|Ssc#S20347643 |
| 91 | [Chemokine signaling pathway](pathway%20map/91%20map04062.png) | gnl|UG|Ssc#S35171399, gnl|UG|Ssc#S58313090, gnl|UG|Ssc#S58306512 |
| 92 | [Metabolism of xenobiotics by cytochrome P450](pathway%20map/92%20map00980.png) | gnl|UG|Ssc#S35167355 |
| 93 | [Drug metabolism - cytochrome P450](pathway%20map/93%20map00982.png) | gnl|UG|Ssc#S35167394 |
| 94 | [Notch signaling pathway](pathway%20map/94%20map04330.png) | gnl|UG|Ssc#S51750135 |
| 95 | [Oxidative phosphorylation](pathway%20map/95%20map00190.png) | gnl|UG|Ssc#S40474453, gnl|UG|Ssc#S19548913 |
| 96 | [Hematopoietic cell lineage](pathway%20map/96%20map04640.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117 |
| 97 | [Fat digestion and absorption](pathway%20map/97%20map04975.png) | gnl|UG|Ssc#S56448572 |
| 98 | [Glycerolipid metabolism](pathway%20map/98%20map00561.png) | gnl|UG|Ssc#S35328054 |
| 99 | [Lysine degradation](pathway%20map/99%20map00310.png) | gnl|UG|Ssc#S35328054 |
| 100 | [Valine, leucine and isoleucine degradation](pathway%20map/100%20map00280.png) | gnl|UG|Ssc#S35328054 |
| 101 | [Glycolysis / Gluconeogenesis](pathway%20map/101%20map00010.png) | gnl|UG|Ssc#S35328054 |
| 102 | Metabolic pathways (no map in kegg database) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S46879456, gnl|UG|Ssc#S55327261, gnl|UG|Ssc#S40474453, gnl|UG|Ssc#S58303491, gnl|UG|Ssc#S19548913, gnl|UG|Ssc#S55318348, gnl|UG|Ssc#S55319682, gnl|UG|Ssc#S25665854, gnl|UG|Ssc#S35328054, gnl|UG|Ssc#S58305222, gnl|UG|Ssc#S58305630, gnl|UG|Ssc#S23212902, gnl|UG|Ssc#S58304506, gnl|UG|Ssc#S58311970 |
| 103 | [Fc epsilon RI signaling pathway](pathway%20map/103%20map04664.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58306512 |
| 104 | [Vascular smooth muscle contraction](pathway%20map/104%20map04270.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S35164008 |
| 105 | [Cardiac muscle contraction](pathway%20map/105%20map04260.png) | gnl|UG|Ssc#S55327620, gnl|UG|Ssc#S58314746 |
| 106 | [mTOR signaling pathway](pathway%20map/106%20map04150.png) | gnl|UG|Ssc#S58307095 |
| 107 | [Huntington's disease](pathway%20map/107%20map05016.png) | gnl|UG|Ssc#S58304058, gnl|UG|Ssc#S58303491, gnl|UG|Ssc#S58302838 |
| 108 | [Epithelial cell signaling in Helicobacter pylori infection](pathway%20map/108%20map05120.png) | gnl|UG|Ssc#S46875662 |
| 109 | [Carbohydrate digestion and absorption](pathway%20map/109%20map04973.png) | gnl|UG|Ssc#S55327620 |
| 110 | [Viral myocarditis](pathway%20map/110%20map05416.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S14766117, gnl|UG|Ssc#S16592156 |
| 111 | [Acute myeloid leukemia](pathway%20map/111%20map05221.png) | gnl|UG|Ssc#S55323247 |
| 112 | [Colorectal cancer](pathway%20map/112%20map05210.png) | gnl|UG|Ssc#S35166542 |
| 113 | [Inositol phosphate metabolism](pathway%20map/113%20map00562.png) | gnl|UG|Ssc#S55327261 |
| 114 | Pancreatic cancer (no map in kegg database) | gnl|UG|Ssc#S55318348 |
| 115 | [Glycerophospholipid metabolism](pathway%20map/115%20map00564.png) | gnl|UG|Ssc#S55318348 |
| 116 | [Insulin signaling pathway](pathway%20map/116%20map04910.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58313090 |
| 117 | [Dilated cardiomyopathy](pathway%20map/117%20map05414.png) | gnl|UG|Ssc#S55321680, gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58314746 |
| 118 | [Purine metabolism](pathway%20map/118%20map00230.png) | gnl|UG|Ssc#S58303491, gnl|UG|Ssc#S58305630 |
| 119 | [Adipocytokine signaling pathway](pathway%20map/119%20map04920.png) | gnl|UG|Ssc#S55325470 |
| 120 | [Apoptosis](pathway%20map/120%20map04210.png) | gnl|UG|Ssc#S34273825 |
| 121 | [p53 signaling pathway](pathway%20map/121%20map04115.png) | gnl|UG|Ssc#S16849920 |
| 122 | [Progesterone-mediated oocyte maturation](pathway%20map/122%20map04914.png) | gnl|UG|Ssc#S55327595 |
| 123 | [Glioma](pathway%20map/126%20map05010.png) | gnl|UG|Ssc#S56448572 |
| 124 | [Pyrimidine metabolism](pathway%20map/124%20map00240.png) | gnl|UG|Ssc#S58303491 |
| 125 | [Olfactory transduction](pathway%20map/125%20map04740.png) | gnl|UG|Ssc#S56448572 |
| 126 | [Alzheimer's disease](pathway%20map/126%20map05010.png) | gnl|UG|Ssc#S56448572, gnl|UG|Ssc#S58304058 |
| 127 | [VEGF signaling pathway](pathway%20map/127%20map04370.png) | gnl|UG|Ssc#S58305222 |
| 128 | [Gap junction](pathway%20map/128%20map04540.png) | gnl|UG|Ssc#S58304058 |
| 129 | TGF-beta signaling pathway (no map in kegg database) | gnl|UG|Ssc#S50208755 |
| 130 | [Toll-like receptor signaling pathway](pathway%20map/130%20map04620.png) | gnl|UG|Ssc#S35166542 |
| 131 | [Hypertrophic cardiomyopathy (HCM)](pathway%20map/131%20map05410.png) | gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58314746 |
| 132 | [Bacterial invasion of epithelial cells](pathway%20map/132%20map05100.png) | gnl|UG|Ssc#S46881169 |
| 133 | [Tight junction](pathway%20map/133%20map04530.png) | gnl|UG|Ssc#S46875662, gnl|UG|Ssc#S58313090 |
| 134 | [Spliceosome](pathway%20map/134%20map03040.png) | gnl|UG|Ssc#S46876994 |
| 135 | [Wnt signaling pathway](pathway%20map/135%20map04310.png) | gnl|UG|Ssc#S43495801 |
| 136 | [RNA transport](pathway%20map/136%20map03013.png) | gnl|UG|Ssc#S58305376 |
| 137 | [Regulation of actin cytoskeleton](pathway%20map/137%20map04810.png) | gnl|UG|Ssc#S58310151, gnl|UG|Ssc#S58306512 |
| 138 | [RNA degradation](pathway%20map/138%20map03018.png) | gnl|UG|Ssc#S42528236 |