# Table S3. The cellular components of the hypoglycemic targets for *Isodon Japonicus*.

| pathway ID | pathway description | frequency |
| --- | --- | --- |
| GO:0005515 | protein binding | 5 |
| GO:0005102 | signaling receptor binding | 5 |
| GO:0008144 | drug binding | 3 |
| GO:0001664 | G protein-coupled receptor binding | 3 |
| GO:0005184 | neuropeptide hormone activity | 3 |
| GO:0005524 | ATP binding | 2 |
| GO:0005488 | binding | 2 |
| GO:0003824 | catalytic activity | 2 |
| GO:0050839 | cell adhesion molecule binding | 2 |
| GO:0031683 | G-protein beta/gamma-subunit complex binding | 2 |
| GO:0003924 | GTPase activity | 2 |
| GO:0031072 | heat shock protein binding | 2 |
| GO:0030369 | ICAM-3 receptor activity | 2 |
| GO:0005178 | integrin binding | 2 |
| GO:0043167 | ion binding | 2 |
| GO:0046872 | metal ion binding | 2 |
| GO:0098772 | molecular function regulator | 2 |
| GO:0097159 | organic cyclic compound binding | 2 |
| GO:0044877 | protein-containing complex binding | 2 |
| GO:0016740 | transferase activity | 2 |
| GO:0004016 | adenylate cyclase activity | 1 |
| GO:0008179 | adenylate cyclase binding | 1 |
| GO:0050681 | androgen receptor binding | 1 |
| GO:0043168 | anion binding | 1 |
| GO:0015301 | anion:anion antiporter activity | 1 |
| GO:0015297 | antiporter activity | 1 |
| GO:0051117 | ATPase binding | 1 |
| GO:0001099 | basal RNA polymerase II transcription machinery binding | 1 |
| GO:0008013 | beta-catenin binding | 1 |
| GO:0015106 | bicarbonate transmembrane transporter activity | 1 |
| GO:0008294 | calcium- and calmodulin-responsive adenylate cyclase activity | 1 |
| GO:0030246 | carbohydrate binding | 1 |
| GO:0097367 | carbohydrate derivative binding | 1 |
| GO:0140096 | catalytic activity, acting on a protein | 1 |
| GO:0043169 | cation binding | 1 |
| GO:0015108 | chloride transmembrane transporter activity | 1 |
| GO:0048037 | cofactor binding | 1 |
| GO:0001851 | complement component C3b binding | 1 |
| GO:0097718 | disordered domain specific binding | 1 |
| GO:0003677 | DNA binding | 1 |
| GO:0001228 | DNA-binding transcription activator activity, RNA polymerase II-specific | 1 |
| GO:0000981 | DNA-binding transcription factor activity, RNA polymerase II-specific | 1 |
| GO:0035240 | dopamine binding | 1 |
| GO:0004175 | endopeptidase activity | 1 |
| GO:0019899 | enzyme binding | 1 |
| GO:0030331 | estrogen receptor binding | 1 |
| GO:0008238 | exopeptidase activity | 1 |
| GO:0050840 | extracellular matrix binding | 1 |
| GO:0001968 | fibronectin binding | 1 |
| GO:0005528 | FK506 binding | 1 |
| GO:0004930 | G protein-coupled receptor activity | 1 |
| GO:0015925 | galactosidase activity | 1 |
| GO:0001948 | glycoprotein binding | 1 |
| GO:0005525 | GTP binding | 1 |
| GO:0004383 | guanylate cyclase activity | 1 |
| GO:1901363 | heterocyclic compound binding | 1 |
| GO:0004402 | histone acetyltransferase activity | 1 |
| GO:0042826 | histone deacetylase binding | 1 |
| GO:0005179 | hormone activity | 1 |
| GO:0016787 | hydrolase activity | 1 |
| GO:0004553 | hydrolase activity, hydrolyzing O-glycosyl compounds | 1 |
| GO:0004421 | hydroxymethylglutaryl-CoA synthase activity | 1 |
| GO:0042802 | identical protein binding | 1 |
| GO:0005452 | inorganic anion exchanger activity | 1 |
| GO:0015103 | inorganic anion transmembrane transporter activity | 1 |
| GO:0099106 | ion channel regulator activity | 1 |
| GO:0005506 | iron ion binding | 1 |
| GO:0016853 | isomerase activity | 1 |
| GO:0016301 | kinase activity | 1 |
| GO:0000287 | magnesium ion binding | 1 |
| GO:0004222 | metalloendopeptidase activity | 1 |
| GO:0008237 | metallopeptidase activity | 1 |
| GO:0060089 | molecular transducer activity | 1 |
| GO:0071855 | neuropeptide receptor binding | 1 |
| GO:0030235 | nitric-oxide synthase regulator activity | 1 |
| GO:0004879 | nuclear receptor activity | 1 |
| GO:0016922 | nuclear receptor binding | 1 |
| GO:0001515 | opioid peptide activity | 1 |
| GO:0031628 | opioid receptor binding | 1 |
| GO:0016491 | oxidoreductase activity | 1 |
| GO:0016709 | oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, NAD(P)H as one donor, and incorporation of one atom of oxygen | 1 |
| GO:0070011 | peptidase activity, acting on L-amino acid peptides | 1 |
| GO:0042277 | peptide binding | 1 |
| GO:0003755 | peptidyl-prolyl cis-trans isomerase activity | 1 |
| GO:0046934 | phosphatidylinositol-4,5-bisphosphate 3-kinase activity | 1 |
| GO:0051219 | phosphoprotein binding | 1 |
| GO:0016773 | phosphotransferase activity, alcohol group as acceptor | 1 |
| GO:0005161 | platelet-derived growth factor receptor binding | 1 |
| GO:0004659 | prenyltransferase activity | 1 |
| GO:0002020 | protease binding | 1 |
| GO:0030674 | protein binding, bridging | 1 |
| GO:0032403 | protein complex binding | 1 |
| GO:0008022 | protein C-terminus binding | 1 |
| GO:0019904 | protein domain specific binding | 1 |
| GO:0046982 | protein heterodimerization activity | 1 |
| GO:0004672 | protein kinase activity | 1 |
| GO:0019901 | protein kinase binding | 1 |
| GO:0004713 | protein tyrosine kinase activity | 1 |
| GO:0035639 | purine ribonucleoside triphosphate binding | 1 |
| GO:0004872 | receptor activity | 1 |
| GO:0005102 | receptor binding | 1 |
| GO:0048018 | receptor ligand activity | 1 |
| GO:0001102 | RNA polymerase II activating transcription factor binding | 1 |
| GO:0000978 | RNA polymerase II proximal promoter sequence-specific DNA binding | 1 |
| GO:0001085 | RNA polymerase II transcription factor binding | 1 |
| GO:0097110 | scaffold protein binding | 1 |
| GO:0008271 | secondary active sulfate transmembrane transporter activity | 1 |
| GO:0015291 | secondary active transmembrane transporter activity | 1 |
| GO:0043565 | sequence-specific DNA binding | 1 |
| GO:0038023 | signaling receptor activity | 1 |
| GO:0015081 | sodium ion transmembrane transporter activity | 1 |
| GO:0008510 | sodium:bicarbonate symporter activity | 1 |
| GO:0030507 | spectrin binding | 1 |
| GO:0005496 | steroid binding | 1 |
| GO:0003707 | steroid hormone receptor activity | 1 |
| GO:0035258 | steroid hormone receptor binding | 1 |
| GO:0048156 | tau protein binding | 1 |
| GO:0046966 | thyroid hormone receptor binding | 1 |
| GO:0003713 | transcription coactivator activity | 1 |
| GO:0003712 | transcription coregulator activity | 1 |
| GO:0008134 | transcription factor binding | 1 |
| GO:0044212 | transcription regulatory region DNA binding | 1 |
| GO:0004888 | transmembrane signaling receptor activity | 1 |
| GO:0031826 | type 2A serotonin receptor binding | 1 |
| GO:0031625 | ubiquitin protein ligase binding | 1 |
| GO:0043184 | vascular endothelial growth factor receptor 2 binding | 1 |
| GO:0001618 | virus receptor activity | 1 |
| GO:0008270 | zinc ion binding | 1 |