**Table S2. Abbreviations of the pathways from the heatmaps in Figures 5 and 6.**

|  |  |
| --- | --- |
| Full name | Abbreviations |
| KEGG\_FC\_GAMMA\_R\_MEDIATED\_PHAGOCYTOSIS | F\_G\_R\_M\_PHAGOCYTOSIS |
| KEGG\_HOMOLOGOUS\_RECOMBINATION | H\_RECOMBINATION |
| KEGG\_DNA\_REPLICATION | DNA\_REPLICATION |
| KEGG\_SPLICEOSOME | SPLICEOSOME |
| KEGG\_NON\_HOMOLOGOUS\_END\_JOINING | NON\_H\_END\_JOINING |
| KEGG\_NOD\_LIKE\_RECEPTOR\_SIGNALING\_PATHWAY | N\_L\_R\_SIGNALING\_PATHWAY |
| KEGG\_MISMATCH\_REPAIR | MISMATCH\_REPAIR |
| KEGG\_ALPHA\_LINOLENIC\_ACID\_METABOLISM | A\_L\_A\_METABOLISM |
| KEGG\_SELENOAMINO\_ACID\_METABOLISM | S\_A\_METABOLISM |
| KEGG\_TAURINE\_AND\_HYPOTAURINE\_METABOLISM | T\_AND\_H\_METABOLISM |
| KEGG\_SULFUR\_METABOLISM | SULFUR\_METABOLISM |
| KEGG\_ARACHIDONIC\_ACID\_METABOLISM | A\_A\_METABOLISM |
| KEGG\_PANTOTHENATE\_AND\_COA\_BIOSYNTHESIS | P\_AND\_C\_BIOSYNTHESIS |
| KEGG\_ONE\_CARBON\_POOL\_BY\_FOLATE | O\_C\_P\_BY\_FOLATE |
| KEGG\_NICOTINATE\_AND\_NICOTINAMIDE\_METABOLISM | N\_AND\_N\_METABOLISM |
| KEGG\_CYSTEINE\_AND\_METHIONINE\_METABOLISM | C\_AND\_M\_METABOLISM |
| KEGG\_STARCH\_AND\_SUCROSE\_METABOLISM | S\_AND\_S\_METABOLISM |
| KEGG\_LYSINE\_DEGRADATION | LYSINE\_DEGRADATION |
| KEGG\_NITROGEN\_METABOLISM | NITROGEN\_METABOLISM |
| KEGG\_LINOLEIC\_ACID\_METABOLISM | L\_A\_METABOLISM |
| KEGG\_FOLATE\_BIOSYNTHESIS | FOLATE\_BIOSYNTHESIS |
| KEGG\_ARGININE\_AND\_PROLINE\_METABOLISM | A\_AND\_P\_METABOLISM |
| KEGG\_ALANINE\_ASPARTATE\_AND\_GLUTAMATE\_METABOLISM | A\_A\_AND\_G\_METABOLISM |
| KEGG\_PYRUVATE\_METABOLISM | PYRUVATE\_METABOLISM |
| KEGG\_CITRATE\_CYCLE\_TCA\_CYCLE | C\_CYCLE\_T\_CYCLE |
| KEGG\_STEROID\_HORMONE\_BIOSYNTHESIS | S\_H\_BIOSYNTHESIS |
| KEGG\_PHENYLALANINE\_METABOLISM | P\_METABOLISM |
| KEGG\_GLYOXYLATE\_AND\_DICARBOXYLATE\_METABOLISM | G\_AND\_D\_METABOLISM |
| KEGG\_BIOSYNTHESIS\_OF\_UNSATURATED\_FATTY\_ACIDS | B\_OF\_U\_FATTY\_ACIDS |
| KEGG\_TYROSINE\_METABOLISM | TYROSINE\_METABOLISM |
| KEGG\_DRUG\_METABOLISM\_OTHER\_ENZYMES | D\_METABOLISM\_OTHER\_E |
| KEGG\_HISTIDINE\_METABOLISM | HISTIDINE\_METABOLISM |
| KEGG\_ASCORBATE\_AND\_ALDARATE\_METABOLISM | A\_AND\_A\_METABOLISM |
| KEGG\_METABOLISM\_OF\_XENOBIOTICS\_BY\_CYTOCHROME\_P450 | METABOLISM\_OF\_X\_BY\_P450 |
| KEGG\_DRUG\_METABOLISM\_CYTOCHROME\_P450 | DRUG\_METABOLISM\_P450 |
| KEGG\_RETINOL\_METABOLISM | RETINOL\_METABOLISM |
| KEGG\_TRYPTOPHAN\_METABOLISM | TRYPTOPHAN\_METABOLISM |
| KEGG\_BUTANOATE\_METABOLISM | BUTANOATE\_METABOLISM |
| KEGG\_PROPANOATE\_METABOLISM | PROPANOATE\_METABOLISM |
| KEGG\_BETA\_ALANINE\_METABOLISM | BETA\_ALANINE\_METABOLISM |
| KEGG\_VALINE\_LEUCINE\_AND\_ISOLEUCINE\_DEGRADATION | V\_L\_AND\_I\_DEGRADATION |
| KEGG\_GLYCINE\_SERINE\_AND\_THREONINE\_METABOLISM | G\_S\_AND\_T\_METABOLISM |
| KEGG\_LIMONENE\_AND\_PINENE\_DEGRADATION | L\_AND\_P\_DEGRADATION |
| KEGG\_FATTY\_ACID\_METABOLISM | FATTY\_ACID\_METABOLISM |
| KEGG\_PRIMARY\_BILE\_ACID\_BIOSYNTHESIS | P\_B\_A\_BIOSYNTHESIS |