

Supplementary Figure 6

Sienna 4 Module Genes

| Top Canonical Pathways | p-Value |
|---|-------------------|
| | |
| Methylglyoxal Degradation VI | 2.78E-03 |
| Phosphatidylethanolamine Biosynthesis III | 2.78E-03 |
| NGF Signaling | 3.29E-03 |
| Branched-chain -keto acid Dehydrogenase Complex | 1.11E-02 |
| Phenylethylamine Degradation I | 1.11E-02 |
| | |
| Top Diseases and Disorders | p-Value |
| | |
| Developmental Disorder | 3.28E-02-7.55E-05 |
| Hereditary Disorder | 3.28E-02-7.55E-05 |
| Metabolic Disease | 2.44E-02-7.55E-05 |
| Organismal Injury and Abnormalities | 4.14E-02-7.55E-05 |
| Renal and Urological Disease | 5.55E-03-7.55E-05 |
| | |
| “Activated” Upstream Regulators | p-Value |
| STAT6 | 5.19E-04 |
| STAT3/5 | 5.10E-03 |
| Butylbenzyl phthalate | 5.10E-03 |
| Folic acid | 6.16E-03 |
| WHSC1L1 | 7.64E-03 |

Supplementary Figure 6 shows IPA Core Analysis Results for genes (67) comprising the sienna4 module.