**Table S3.** Target molecules of rat protein array

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence Number | Row | Column | Name |
| 1 | 6 | 3 4 | RELM beta  |
| 2 | 6 | 1 2 | RALT/MIG-6  |
| 3 | 3 | 29 30 | IL-2  |
| 4 | 6 | 19 20 | TIMP-1 |
| 5 | 3 | 5 6 | GFR alpha-2  |
| 6 | 3 | 1 2 | Fractalkine  |
| 7 | 2 | 29 30 | Follostatin-like -1(FSL1)  |
| 8 | 6 | 9 10 | TGF-beta1 |
| 9 | 3 | 21 22 | IFN-gamma  |
| 10 | 7 | 5 6 | VEGF |
|  | 1 7 | 1-6 25-30 | Positive(average)  |
| 11 | 1 | 27 28 | beta-NGF  |
| 12 | 5 | 21 22 | Orexin A  |
| 13 | 3 | 27 28 | IL-1 R6/IL-1 R rp2  |
| 14 | 2 | 27 28 | FGF-BP  |
| 15 | 2 | 23 24 | Fas/TNFRSF6  |
| 16 | 6 | 27 28 | TNF-alpha |
| 17 | 4 | 17 18 | Insulin  |
| 18 | 2 | 1 2 | CD106  |
| 19 | 4 | 3 4 | IL-4  |
| 20 | 3 | 7 8 | GM-CSF  |
| 21 | 4 | 27 28 | MCP-1  |
| 22 | 5 | 29 30 | RAGE  |
| 23 | 5 | 25 26 | PDGF-AA  |
|  | 1 7 | 7-8 9-24 | Neg(average)  |
| 24 | 6 | 29 30 | TRAIL |
| 25 | 3 | 25 26 | IL-1 beta  |
| 26 | 4 | 9 10 | IL-10  |
| 27 | 5 | 5 6 | MIP-2  |
| 28 | 2 | 7 8 | CNTF  |
| 29 | 3 | 11 12 | Growth Hormone R  |
| 30 | 5 | 17 18 | Neuropilin-2  |
| 31 | 4 | 11 12 | IL-12/IL-23 p40  |
| 32 | 3 | 9 10 | Growth Hormone  |
| 33 | 6 | 7 8 | TAL1A |
| 34 | 2 | 5 6 | CINC-3  |
| 35 | 4 | 7 8 | IL-6  |
| 36 | 4 | 23 24 | LIX  |
| 37 | 2 | 17 18 | EG-VEGF/PK1  |
| 38 | 7 | 3 4 | Ubiquitin |
| 39 | 1 | 15 16 | Adiponectin/Acrp30  |
| 40 | 3 | 15 16 | ICAM-1/CD54  |
| 41 | 2 | 13 14 | CXCR4  |
| 42 | 2 | 9 10 | CNTF R alpha  |
| 43 | 5 | 11 12 | MMP-8  |
| 44 | 2 | 15 16 | EGFR  |
| 45 | 1 | 9 10 | Activin A  |
| 46 | 5 | 15 16 | MuSK  |
| 47 | 6 | 5 6 | Resistin  |
| 48 | 2 | 19 20 | E-Selectin  |
| 49 | 5 | 1 2 | MIF  |
| 50 | 1 | 11 12 | ACTH  |
| 51 | 1 | 13 14 | ADFP  |
| 52 | 1 | 19 20 | B7-1/CD80  |
| 53 | 1 | 25 26 | basic-FGF  |
| 54 | 1 | 29 30 | CCR4  |
| 55 | 2 | 11 12 | CSK  |
| 56 | 3 | 17 18 | ICK  |
| 57 | 3 | 19 20 | IDE (Insulin Degrading Enzyme) |
| 58 | 4 | 15 16 | Integrin alpha M beta 2  |
| 59 | 5 | 9 10 | MMP-2  |
| 60 | 5 | 13 14 | MMP-13  |
| 61 | 5 | 19 20 | NGFR  |
| 62 | 5 | 23 24 | Osteopontin/SPP1  |
| 63 | 6 | 11 12 | TGF-beta2 |
| 64 | 6 | 13 14 | TGF-beta3 |
| 65 | 6 | 15 16 | Thrombospondin  |
| 66 | 6 | 17 18 | TIE-2 |
| 67 | 6 | 23 24 | TIMP-3  |
| 68 | 7 | 1 2 | TROY |
| 69 | 7 | 7 8 | VEGF-C |
| 70 | 6 | 21 22 | TIMP |
| 71 | 4 | 29 30 | MDC  |
| 72 | 5 | 27 28 | Prolactin R  |
| 73 | 6 | 25 26 | TLR4 |
| 74 | 4 | 25 26 | L-Selectin/CD62L  |
| 75 | 1 | 23 24 | beta-Catenin  |
| 76 | 1 | 17 18 | AMPK alpha 1  |
| 77 | 4 | 21 22 | Leptin (OB)  |
| 78 | 3 | 3 4 | GFR alpha-1  |
| 79 | 2 | 25 26 | Fas Ligand/TNFSF6  |
| 80 | 3 | 23 24 | IL-1 alpha  |
| 81 | 4 | 19 20 | IP-10  |
| 82 | 4 | 1 2 | IL-3  |
| 83 | 4 | 13 14 | IL-13  |
| 84 | 1 | 21 22 | BDNF  |
| 85 | 5 | 3 4 | MIP-1 alpha  |
| 86 | 4 | 5 6 | IL-5  |
| 87 | 2 | 21 22 | FADD  |
| 88 | 3 | 13 14 | Hepassocin  |
| 89 | 2 | 3 4 | CINC-2 alpha/beta  |
| 90 | 5 | 7 8 | MIP-3 alpha  |