## STAT3\_02, STAT3\_02 GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_UP AAGGGAT\_MIR188, AAGGGAT\_MIR188 MIR6728\_3P, MIR6728\_3P CYTAGCAAY\_UNKNOWN, CYTAGCAAY\_UNKNOWN WP\_ENDOPLASMIC\_RETICULUM\_STRESS\_RESPONSE\_IN\_CORONAVIRUS\_INFECTION, WP\_ENDOPLASMIC\_RETICULUM\_STRESS\_RESPONSE\_IN\_CORONAVIRUS\_INFECTION GENTILE\_UV\_LOW\_DOSE\_DN, GENTILE\_UV\_LOW\_DOSE\_DN GOBP\_NEGATIVE\_REGULATION\_OF\_INTRACELLULAR\_TRANSPORT, GOBP\_NEGATIVE\_REGULATION\_OF\_INTRACELLULAR\_TRANSPORT HP\_MULTIPLE\_JOINT\_CONTRACTURES, HP\_MULTIPLE\_JOINT\_CONTRACTURES GOBP\_VENTRICULAR\_SEPTUM\_DEVELOPMENT, GOBP\_VENTRICULAR\_SEPTUM\_DEVELOPMENT MIR934, MIR934 GOBP\_REGULATION\_OF\_TRANSCRIPTION\_ELONGATION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER, GOBP\_REGULATION\_OF\_TRANSCRIPTION\_ELONGATION\_FROM\_RNA\_ TCTGATC\_MIR383, TCTGATC\_MIR383 HP\_ABNORMALITY\_ON\_PULMONARY\_FUNCTION\_TESTING, HP\_ABNORMALITY\_ON\_PULMONARY\_FUNCTION\_TESTING MIR1267, MIR1267 GSE19888\_CTRL\_VS\_A3R\_ACTIVATION\_MAST\_CELL\_DN, GSE19888\_CTRL\_VS\_A3R\_ACTIVATION\_MAST\_CELL\_DN HP\_DENTAL\_MALOCCLUSION, HP\_DENTAL\_MALOCCLUSION GOBP\_RESPONSE\_TO\_ACID\_CHEMICAL, GOBP\_RESPONSE\_TO\_ACID\_CHEMICAL MIR626, MIR626 TAGAACC\_MIR182, TAGAACC\_MIR182 GOBP\_REGULATION\_OF\_POSTSYNAPTIC\_MEMBRANE\_NEUROTRANSMITTER\_RECEPTOR\_LEVELS, GOBP\_REGULATION\_OF\_POSTSYNAPTIC\_MEMBRANE\_NEUROTRANSMIT MIR6876 3P, MIR6876 3P MIR556\_5P, MIR556\_5P HP\_HEMIANOPIA, HP\_HEMIANOPIA GOBP\_CORONARY\_VASCULATURE\_DEVELOPMENT, GOBP\_CORONARY\_VASCULATURE\_DEVELOPMENT HP\_APLASIA\_HYPOPLASIA\_OF\_METATARSAL\_BONES, HP\_APLASIA\_HYPOPLASIA\_OF\_METATARSAL\_BONES GOMF\_MYOSIN\_V\_BINDING, GOMF\_MYOSIN\_V\_BINDING HP\_MOOD\_CHANGES, HP\_MOOD\_CHANGES

HP\_CEREBRAL\_PALSY, HP\_CEREBRAL\_PALSY

HP\_ADDICTIVE\_BEHAVIOR, HP\_ADDICTIVE\_BEHAVIOR

HP\_IMPAIRED\_MASTICATION, HP\_IMPAIRED\_MASTICATION

BIOCARTA\_TGFB\_PATHWAY, BIOCARTA\_TGFB\_PATHWAY

HP\_RETINAL\_DETACHMENT, HP\_RETINAL\_DETACHMENT

GOMF\_TROPONIN\_I\_BINDING, GOMF\_TROPONIN\_I\_BINDING

GOBP\_AMINE\_TRANSPORT, GOBP\_AMINE\_TRANSPORT

WP\_MONOAMINE\_GPCRS, WP\_MONOAMINE\_GPCRS

TAVAZOIE\_METASTASIS, TAVAZOIE\_METASTASIS

GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_BCELL\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_BCELL\_DN

GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_PDC\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_PDC\_DN

GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_DN

GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP, GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP

GSE16385\_IL4\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN, GSE16385\_IL4\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN

GSE43955\_TGFB\_IL6\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_52H\_DN, GSE43955\_TGFB\_IL6\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_52H\_DN

GSE25088\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN, GSE25088\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN

GOBP\_POSITIVE\_REGULATION\_OF\_TRANSFORMING\_GROWTH\_FACTOR\_BETA\_PRODUCTION, GOBP\_POSITIVE\_REGULATION\_OF\_TRANSFORMING\_GROWTH\_FACTOR\_BETA

GOBP\_REGULATION\_OF\_TRANSLATION\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS, GOBP\_REGULATION\_OF\_TRANSLATION\_IN\_RESPONSE\_TO\_ENDOPLASMI

GSE24814\_STAT5\_KO\_VS\_WT\_PRE\_BCELL\_DN, GSE24814\_STAT5\_KO\_VS\_WT\_PRE\_BCELL\_DN

GSE10325\_MYELOID\_VS\_LUPUS\_MYELOID\_DN, GSE10325\_MYELOID\_VS\_LUPUS\_MYELOID\_DN

GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP

HP\_ABNORMAL\_METATARSAL\_MORPHOLOGY, HP\_ABNORMAL\_METATARSAL\_MORPHOLOGY

GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_UP, GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_UP

GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT, GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT

MYLLYKANGAS\_AMPLIFICATION\_HOT\_SPOT\_8, MYLLYKANGAS\_AMPLIFICATION\_HOT\_SPOT\_8

REACTOME\_TRYPTOPHAN\_CATABOLISM, REACTOME\_TRYPTOPHAN\_CATABOLISM

GOBP\_KYNURENINE\_METABOLIC\_PROCESS, GOBP\_KYNURENINE\_METABOLIC\_PROCESS

HP\_ABNORMAL\_ENDOCRINE\_PHYSIOLOGY, HP\_ABNORMAL\_ENDOCRINE\_PHYSIOLOGY

HP\_LIMITATION\_OF\_KNEE\_MOBILITY, HP\_LIMITATION\_OF\_KNEE\_MOBILITY

REACTOME\_ACYL\_CHAIN\_REMODELLING\_OF\_PE, REACTOME\_ACYL\_CHAIN\_REMODELLING\_OF\_PE

GOBP\_ODONTOGENESIS\_OF\_DENTIN\_CONTAINING\_TOOTH, GOBP\_ODONTOGENESIS\_OF\_DENTIN\_CONTAINING\_TOOTH

GOBP\_URINARY\_TRACT\_SMOOTH\_MUSCLE\_CONTRACTION, GOBP\_URINARY\_TRACT\_SMOOTH\_MUSCLE\_CONTRACTION

GOBP\_URINARY\_BLADDER\_SMOOTH\_MUSCLE\_CONTRACTION, GOBP\_URINARY\_BLADDER\_SMOOTH\_MUSCLE\_CONTRACTION

GSE9946\_IMMATURE\_VS\_MATURE\_STIMULATORY\_DC\_DN, GSE9946\_IMMATURE\_VS\_MATURE\_STIMULATORY\_DC\_DN

REACTOME\_ACYL\_CHAIN\_REMODELLING\_OF\_PC, REACTOME\_ACYL\_CHAIN\_REMODELLING\_OF\_PC

GOBP\_ACTIVATION\_OF\_NF\_KAPPAB\_INDUCING\_KINASE\_ACTIVITY, GOBP\_ACTIVATION\_OF\_NF\_KAPPAB\_INDUCING\_KINASE\_ACTIVITY

GOBP\_PHOSPHATIDYLETHANOLAMINE\_ACYL\_CHAIN\_REMODELING, GOBP\_PHOSPHATIDYLETHANOLAMINE\_ACYL\_CHAIN\_REMODELING

GSE17721\_0.5H\_VS\_8H\_LPS\_BMDC\_DN, GSE17721\_0.5H\_VS\_8H\_LPS\_BMDC\_DN

OUILLETTE\_CLL\_13Q14\_DELETION\_UP, OUILLETTE\_CLL\_13Q14\_DELETION\_UP

PECE\_MAMMARY\_STEM\_CELL\_DN, PECE\_MAMMARY\_STEM\_CELL\_DN

GSE6875\_TCONV\_VS\_TREG\_UP, GSE6875\_TCONV\_VS\_TREG\_UP

MIR6739\_3P, MIR6739\_3P

MIR4685\_3P, MIR4685\_3P

MIR1537\_5P, MIR1537\_5P

MIR628 3P, MIR628 3P

NRL\_DN.V1\_DN, NRL\_DN.V1\_DN

HP\_JOINT\_STIFFNESS, HP\_JOINT\_STIFFNESS

MIR5689, MIR5689

MIR4287, MIR4287

MIR7150, MIR7150

GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_DC\_BRAIN\_UP, GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_DC\_BRAIN\_UP

GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN, GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN

GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN

GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN, GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN