dFab_CCR-IL2		1000iu/mL rIL2	
NAME	FDR q-val	NAME	FDR q-val
KEGG_CELL_CYCLE		KEGG_CELL_CYCLE	(
KEGG_DNA_REPLICATION		KEGG_DNA_REPLICATION	0
KEGG_MISMATCH_REPAIR		KEGG_OOCYTE_MEIOSIS	4.04E-04
KEGG_P53_SIGNALING_PATHWAY		KEGG_MISMATCH_REPAIR	5.38E-04
KEGG_PROTEASOME		KEGG_PROTEASOME	6.67E-04
KEGG_OOCYTE_MEIOSIS		KEGG_P53_SIGNALING_PATHWAY	8.38E-04
KEGG_STEROID_BIOSYNTHESIS		KEGG_STEROID_BIOSYNTHESIS	9.69E-04
KEGG ASTHMA		KEGG HOMOLOGOUS RECOMBINATION	0.001191859
KEGG_HOMOLOGOUS_RECOMBINATION		KEGG_NUCLEOTIDE_EXCISION_REPAIR	0.001919777
KEGG_JAK_STAT_SIGNALING_PATHWAY		KEGG_PYRIMIDINE_METABOLISM	0.001957343
1876 P. 1885 P. 1876 P. 1877 P. 1876 P. 1888 P. 1888 P. 1876 P		KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURAT	
KEGG_SMALL_CELL_LUNG_CANCER	0.001141154	[[19] [19] [[19] [19] [19] [19] [19] [19	0.002136285
KEGG_LEISHMANIA_INFECTION		KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS	
KEGG_PYRIMIDINE_METABOLISM		KEGG_JAK_STAT_SIGNALING_PATHWAY	0.002726728
KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURAT			
ON		KEGG_BASE_EXCISION_REPAIR	0.002921494
KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS			0.003146225
KEGG_BLADDER_CANCER		KEGG_SMALL_CELL_LUNG_CANCER	0.006297424
KEGG_TYPE_I_DIABETES_MELLITUS		KEGG_CITRATE_CYCLE_TCA_CYCLE	0.006397896
KEGG NUCLEOTIDE EXCISION REPAIR		KEGG LEISHMANIA INFECTION	0.006618816
KEGG_PURINE_METABOLISM		KEGG_PANCREATIC_CANCER	0.006754974
KEGG_CITRATE_CYCLE_TCA_CYCLE		KEGG_PURINE_METABOLISM	0.007604821
KEGG_PANCREATIC_CANCER		KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM	0.012156728
KEGG_BASE_EXCISION_REPAIR		KEGG_ONE_CARBON_POOL_BY_FOLATE	0.012991006
KEGG_APOPTOSIS		KEGG_SPLICEOSOME	0.013266745
KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM			0.014132495
KEGG_PROSTATE_CANCER		KEGG_TYPE_I_DIABETES_MELLITUS	0.014512756
KEGG_ONE_CARBON_POOL_BY_FOLATE		KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM	
KEGG_ALLOGRAFT_REJECTION		KEGG_OXIDATIVE_PHOSPHORYLATION	0.016513802
KEGG_VIRAL_MYOCARDITIS		KEGG_PROSTATE_CANCER	0.016625587
KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM		KEGG_PARKINSONS_DISEASE	0.016660001
KEGG_PENTOSE_PHOSPHATE_PATHWAY		KEGG_RNA_DEGRADATION	0.01758125
KEGG_RNA_DEGRADATION		KEGG_CYSTEINE_AND_METHIONINE_METABOLISM	0.019180477
KEGG_CYSTEINE_AND_METHIONINE_METABOLISM		KEGG_APOPTOSIS	0.022218142
KEGG_SPLICEOSOME		KEGG_BLADDER_CANCER	0.023375792
KEGG_PATHWAYS_IN_CANCER		KEGG_GALACTOSE_METABOLISM	0.045779463
KEGG_SELENOAMINO_ACID_METABOLISM		KEGG_PATHWAYS_IN_CANCER	0.052701943
KEGG_CHRONIC_MYELOID_LEUKEMIA		KEGG_GLYCOLYSIS_GLUCONEOGENESIS	0.053632267
KEGG_NON_SMALL_CELL_LUNG_CANCER		KEGG NON SMALL CELL LUNG CANCER	0.056464013
KEGG_AUTOIMMUNE_THYROID_DISEASE		KEGG_GLIOMA	0.058336943
KEGG_GLIOMA		KEGG_ARGININE_AND_PROLINE_METABOLISM	0.059872124
KEGG_OXIDATIVE_PHOSPHORYLATION		KEGG_ALLOGRAFT_REJECTION	0.09657413
KEGG_ARGININE_AND_PROLINE_METABOLISM		KEGG_CHRONIC_MYELOID_LEUKEMIA	0.10420097
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY		KEGG_GLUTATHIONE_METABOLISM	0.10420037
KEGG PARKINSONS DISEASE		KEGG STARCH AND SUCROSE METABOLISM	0.113585986
KEGG_THYROID_CANCER		KEGG_COLORECTAL_CANCER	0.113385388
KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLIS		KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLIS	U.11TUJ-02
M	0.07575885		0.12764429
KEGG_MELANOMA		KEGG_SELENOAMINO_ACID_METABOLISM	0.12899627
KEGG_GLYCOLYSIS_GLUCONEOGENESIS		KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS	0.12927614
KEGG_TYPE_II_DIABETES_MELLITUS		KEGG_VIRAL_MYOCARDITIS	0.14288495
KEGG_GLUTATHIONE_METABOLISM		KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION	0.17281201
KEGG_GEOTATTHONE_METADOEISM	0.00031030	THE OF THE PROPERTY OF THE PRO	0.17201201

Supplementary Table S2. Top 50 up-regulated GSEA pathways.

Top 50 up-regulated GSEA pathways utilised for the generation of the Venn diagram in figure 1H. dFab_CCR-IL2 T cells or non-transduced T cells treated with 100000 iU/mL IL2, were compared to non-transduced T cells culture in cytokine starvation.