	Pathway	*SIZE*	*p-value*
MCD			
	vs. NCKD		
	ADDYA_K562_HEMIN_TREATMENT	70	0.00
	CMV_ALL_UP	90	0.01
	HDACI_COLON_CUR_UP	99	0.01
	WANG_MLL_CBP_VS_GMP_DN	38	0.01
	PROTEASOME_DEGRADATION	31	0.01
	UBIQUITIN_MEDIATED_PROTEOLYSIS	22	0.02
	KNUDSEN_PMNS_UP	74	0.02
	TNFALPHA_4HRS_UP	39	0.02
	HDACI_COLON_CURSUL_UP	37	0.02
	HDACI_COLON_SUL24HRS_UP	55	0.03
	APOPTOSIS_KEGG	49	0.03
	NING_COPD_DN	111	0.03
	TARTE_PC	80	0.03
	HDACI_COLON_CUR2HRS_UP	26	0.04
	AGEING_BRAIN_DN	119	0.04
	UVB_NHEK3_C0	82	0.04
	CIRCADIAN_EXERCISE	40	0.04
	PASSERINI_INFLAMMATION	24	0.04
	HDACI_COLON_CUR48HRS_UP	60	0.04
	ROS_MOUSE_AORTA_DN	69	0.04
	GENOTOXINS_24HRS_DISCR	35	0.05
	ZHAN_MMPC_SIM	42	0.05
	NADLER_OBESITY_UP	50	0.05
	TSA_HEPATOMA_UP	33	0.05
	LAL_KO_3MO_UP	42	0.05
	vs. LFD		
	IFNALPHA_NL_HCC_UP	18	0.00
	ST_ERK1_ERK2_MAPK_PATHWAY	29	0.01
	APOPTOSIS_KEGG	49	0.02
	IFNALPHA_HCC_UP	29	0.02
	IFNALPHA_NL_UP	27	0.02
	CMV_HCMV_TIMECOURSE_12HRS_UP	26	0.03
	MAPK_CASCADE	29	0.04
	CMV_8HRS_UP	31	0.05
	TARTE_PC	80	0.05
	ST_FAS_SIGNALING_PATHWAY	59	0.05
	RADAEVA_IFNA_UP	50	0.05

Diet	*Pathway*	*SIZE*	*p-value*
NCKD			
	vs. MCD		
	REFRACTORY_GASTRIC_UP	87	0.00
	GAMMA_ESR_WS_UNREG	26	0.00
	HSC_LTHSC_ADULT	286	0.00
	4NQO_ESR_WS_UNREG	33	0.00
	BRCA_ER_POS	478	0.00
	HSC_LTHSC_SHARED	210	0.00
	HSC_LTHSC_FETAL	210	0.00
	BRENTANI_PROTEIN_MODIFICATION	142	0.00
	KNUDSEN_PMNS_DN	225	0.01
	STEFFEN_AML_PML_PLZF_TRGT	42	0.01
	NO2IL12PATHWAY	15	0.01
	IL6_FIBRO_UP	47	0.01
	UV_ESR_OLD_UNREG	16	0.01
	BIOPEPTIDESPATHWAY	38	0.01
	TPA_SENS_MIDDLE_DN	299	0.01
	ALZHEIMERS_INCIPIENT_UP	338	0.01
	TPA_SENS_LATE_DN	232	0.01
	GAMMA_ESR_OLD_UNREG	24	0.01
	ESR_FIBROBLAST_DN	15	0.01
	PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM	88	0.01
	HSC_HSCANDPROGENITORS_ADULT	459	0.02
	HSC_HSCANDPROGENITORS_SHARED	452	0.02
	HSC_HSCANDPROGENITORS_FETAL	452	0.02
	REOVIRUS_HEK293_DN	230	0.02
	SPPAPATHWAY	20	0.02
	PTDINSPATHWAY	20	0.02
	CALCIUM_REGULATION_IN_CARDIAC_CELLS	127	0.02
	GILDEA_BLADDER_UP	30	0.02
	SIG_CHEMOTAXIS	42	0.02
	ASTIER_FN_DIFF	61	0.02
	IL7PATHWAY	16	0.02
	IL6_SCAR_FIBRO_UP	24	0.02
	BCL2_FAMILY_AND_REG_NETWORK	21	0.02
	PYK2PATHWAY	27	0.02
	ASTIER_BCELL	60	0.02
	MEF2DPATHWAY	18	0.02
	UVB_NHEK3_C5	35	0.03
	ST_INTERLEUKIN_4_PATHWAY	26	0.03
	UVC_LOW_ALL_DN	58	0.03
	CMV_HCMV_TIMECOURSE_4HRS_DN	35	0.03
	ALCALAY_AML_NPMC_UP	139	0.03

Diet	*Pathway*	*SIZE*	*p-value*
	PITX2PATHWAY	16	0.03
	TGFBETA_C5_UP	17	0.03
	TPA_RESIST_EARLY_UP	30	0.03
	GLYCOGEN	19	0.03
	YE_INTRAMETASTATIC_HCC_UP	21	0.03
	HDACI_COLON_CUR_DN	38	0.04
	CHANG_SERUM_RESPONSE_DN	112	0.04
	ST_WNT_CA2_CYCLIC_GMP_PATHWAY	19	0.04
	PASSERINI_PROLIFERATION	63	0.04
	IL2RBPATHWAY	34	0.04
	IL2PATHWAY	22	0.04
	MYOD_NIH3T3_UP	75	0.04
	ZHAN_MM_CD138_MF_VS_REST	42	0.04
	GHPATHWAY	27	0.04
	OLD_FIBRO_DN	147	0.04
	UVB_NHEK1_DN	270	0.04
	PDGFPATHWAY	27	0.04
	ST_ADRENERGIC	33	0.05
	CALCINEURIN_NF_AT_SIGNALING	91	0.05
	CARM_ERPATHWAY	26	0.05
	SIG_BCR_SIGNALING_PATHWAY	44	0.05
	UV-4NQO_FIBRO_DN	28	0.05
	FALT_BCLL_UP	44	0.05
	EGFPATHWAY	27	0.05
	ET743_HELA_DN	15	0.05
	CMV_HCMV_TIMECOURSE_ALL_DN	420	0.05
	vs. LFD		
	TPA_SKIN_DN	15	0.00
	ESR_FIBROBLAST_DN	15	0.01
	UVB_NHEK3_C5	35	0.02
	HALMOS_CEBP_UP	50	0.02
	GHPATHWAY	27	0.02
	PYK2PATHWAY	27	0.02
	TNFALPHA_TGZ_ADIP_DN	25	0.02
	BIOPEPTIDESPATHWAY	38	0.03
	NKCELLSPATHWAY	18	0.03
	UVC_XPCS_ALL_UP	61	0.04
	BYSTRYKH_HSC_CIS_GLOCUS	91	0.04
	CMV_HCMV_TIMECOURSE_14HRS_DN	41	0.04
	NDKDYNAMINPATHWAY	17	0.05
	CMV_HCMV_TIMECOURSE_1HR_DN	38	0.05

Diet	*Pathway*	*SIZE*	*p-value*
LFD			
	vs. MCD		
	HDACI_COLON_CUR24HRS_DN	17	0.00
	STEFFEN_AML_PML_PLZF_TRGT	42	0.00
	HDACI_COLON_CUR_DN	38	0.00
	PASSERINI_PROLIFERATION	63	0.00
	BRENTANI_PROTEIN_MODIFICATION	142	0.00
	TPA_SENS_MIDDLE_DN	299	0.00
	OKUMURA_MC_LPS	185	0.00
	PENG_GLUCOSE_UP	33	0.01
	ZHAN_MM_MOLECULAR_CLASSI_DN	41	0.01
	NOVA2_KO_SPLICING	41	0.01
	SIG_BCR_SIGNALING_PATHWAY	44	0.01
	UVC_LOW_ALL_DN	58	0.01
	EGFPATHWAY	27	0.01
	GAMMA_ESR_WS_UNREG	26	0.01
	BCNU_GLIOMA_MGMT_48HRS_UP	18	0.01
	TPA_RESIST_EARLY_UP	30	0.01
	BIOPEPTIDESPATHWAY	38	0.01
	NGUYEN_KERATO_DN	80	0.01
	IGF_VS_PDGF_DN	34	0.01
	RORIE_ES_PNET_DN	27	0.01
	SPPAPATHWAY	20	0.01
	UVC_LOW_C3_DN	19	0.02
	P53_SIGNALING	91	0.02
	HSC_HSCANDPROGENITORS_ADULT	459	0.02
	HOFFMANN_BIVSBII_IMVM	75	0.02
	HIPPOCAMPUS_DEVELOPMENT_NEONATAL	26	0.02
	AGUIRRE_PANCREAS_CHR1	31	0.02
	G1PATHWAY	25	0.02
	G_PROTEIN_SIGNALING	86	0.02
	UVC_TTD-XPCS_COMMON_UP	21	0.02
	MEF2DPATHWAY	18	0.02
	INSULIN_ADIP_INSENS_UP	20	0.02
	CHESLER_BRAIN_ONLY_SUBSET	23	0.02
	CALRES_MOUSE_UP	28	0.02
	CMV_HCMV_TIMECOURSE_20HRS_DN	40	0.02
	CMV_HCMV_TIMECOURSE_18HRS_DN	21	0.02
	PDGFPATHWAY	27	0.03
	STEMCELL_COMMON_DN	55	0.03
	HSC_HSCANDPROGENITORS_SHARED	452	0.03
	HSC_HSCANDPROGENITORS_FETAL	452	0.03
	CMV_HCMV_TIMECOURSE_10HRS_DN	15	0.03

Diet	*Pathway*	*SIZE*	*p-value*
	CELL_CYCLE_ARREST	31	0.03
	UV-CMV_UNIQUE_HCMV_6HRS_DN	81	0.03
	PITUITARY_FETAL_UP	15	0.03
	BRCA1_OVEREXP_PROSTATE_DN	77	0.03
	4NQO_ESR_WS_UNREG	33	0.03
	ABBUD_LIF_DN	22	0.03
	KUMAR_HOXA_DIFF	313	0.03
	TPOPATHWAY	23	0.04
	CMV-UV_HCMV_6HRS_DN	107	0.04
	ADIP_DIFF_CLUSTER1	55	0.04
	CCR3PATHWAY	22	0.04
	MYOD_BRG1_UP	27	0.04
	PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM	88	0.04
	EPOPATHWAY	19	0.04
	ETSPATHWAY	15	0.04
	RUIZ_TENASCIN_TARGETS	79	0.04
	VEGF_HUVEC_30MIN_UP	24	0.04
	METPATHWAY	33	0.04
	IFN_BETA_UP	65	0.05
	BCRPATHWAY	34	0.05
	NUMATA_G_CSF_DIFF	18	0.05
	TSA_RKO_UP	17	0.05
	UVC_TTD_8HR_UP	23	0.05
	ST_G_ALPHA_I_PATHWAY	34	0.05
	INTEGRINPATHWAY	32	0.05
	IL6_SCAR_FIBRO_UP	24	0.05
	STRESS_GENOTOXIC_SPECIFIC_DN	39	0.05
	LINDSTEDT_DEND_8H_VS_48H_DN	67	0.05
	UVB_NHEK1_C6	130	0.05
	AGUIRRE_PANCREAS_CHR22	60	0.05
	CMV_HCMV_TIMECOURSE_ALL_DN	420	0.05
	UVC_TTD_4HR_DN	297	0.05
	GALACTOSE_METABOLISM	23	0.05
	vs. NCKD		
	CHESLER_BRAIN_ONLY_SUBSET	23	0.00
	ADDYA_K562_HEMIN_TREATMENT	70	0.00
	MYC_TARGETS	39	0.00
	CARDIACEGFPATHWAY	17	0.00
	AGED_MOUSE_HIPPOCAMPUS_ANY_DN	39	0.00

Diet	*Pathway*	*SIZE*	*p-value*
	ADIP_HUMAN_UP	59	0.00
	HDACI_COLON_CUR2HRS_UP	26	0.00
	CIS_RESIST_GASTRIC_UP	16	0.00
	STRESS_TPA_SPECIFIC_UP	40	0.00
	HIPPOCAMPUS_DEVELOPMENT_NEONATAL	26	0.00
	RIBAVIRIN_RSV_DN	43	0.01
	CHESLER_BRAIN_CIS_GENES	50	0.01
	PASSERINI_INFLAMMATION	24	0.01
	HOFFMANN_BIVSBII_LGBII	90	0.01
	UVB_NHEK3_C6	29	0.01
	YAO_P4_KO_VS_WT_UP	65	0.01
	HASLINGER_B_CLL_13Q14	19	0.02
	LINDSTEDT_DEND_UP	50	0.02
	RORIE_ES_PNET_DN	27	0.02
	IL1_CORNEA_UP	62	0.02
	IDX_TSA_DN_CLUSTER3	69	0.02
	LINDSTEDT_DEND_8H_VS_48H_UP	64	0.02
	PARK_RARALPHA_UP	37	0.02
	KNUDSEN_PMNS_UP	74	0.03
	DRUG_RESISTANCE_AND_METABOLISM	95	0.03
	GALINDO_ACT_UP	73	0.03
	CPR_NULL_LIVER_DN	16	0.03
	IRS_KO_ADIP_UP	23	0.03
	ADIP_DIFF_CLUSTER3	32	0.03
	AGED_MOUSE_MUSCLE_UP	30	0.04
	CARBON_FIXATION	20	0.04
	FETAL_LIVER_ENRICHED_TRANSCRIPTION_FACTORS	75	0.04
	HINATA_NFKB_UP	105	0.04
	TSA_HEPATOMA_UP	33	0.05
	ZHAN_MMPC_PC	22	0.05