

Pathway_Name	p-value	Binned_ variants	Phenotype
biogrid:biogrid:738779	0.001708	8	Asthma
biogrid:biogrid:876356	0.001708	8	Asthma
biogrid:biogrid:891911	0.001708	8	Asthma
biogrid:biogrid:892247	0.001708	8	Asthma
biogrid:biogrid:892248	0.001708	8	Asthma
biogrid:biogrid:892249	0.001708	8	Asthma
biogrid:biogrid:892250	0.001708	8	Asthma
go:mitochondrial_outer_membrane	0.001761	31	Asthma
go:positive_regulation_of_icosanoid_secretion	0.001913	23	Asthma
biogrid:biogrid:1034692	0.002211	43	Asthma
biogrid:biogrid:275739	0.002211	43	Asthma
biogrid:biogrid:275916	0.002211	43	Asthma
biogrid:biogrid:276456	0.002211	43	Asthma
biogrid:biogrid:278281	0.002211	43	Asthma
biogrid:biogrid:288228	0.002211	43	Asthma
biogrid:biogrid:288450	0.002211	43	Asthma
biogrid:biogrid:302980	0.002211	43	Asthma
biogrid:biogrid:303431	0.002211	43	Asthma
biogrid:biogrid:303435	0.002211	43	Asthma
biogrid:biogrid:303442	0.002211	43	Asthma
biogrid:biogrid:316220	0.002211	43	Asthma
biogrid:biogrid:555676	0.002211	43	Asthma
biogrid:biogrid:559028	0.002211	43	Asthma
biogrid:biogrid:559029	0.002211	43	Asthma
biogrid:biogrid:683115	0.002211	43	Asthma
biogrid:biogrid:823021	0.002211	43	Asthma
biogrid:biogrid:823022	0.002211	43	Asthma
biogrid:biogrid:823023	0.002211	43	Asthma
biogrid:biogrid:823024	0.002211	43	Asthma
biogrid:biogrid:824719	0.002211	43	Asthma
biogrid:biogrid:830061	0.002211	43	Asthma
biogrid:biogrid:893887	0.002211	43	Asthma
go:apical_part_of_cell	0.002211	43	Asthma
go:clathrin-coated_endocytic_vesicle_membrane	0.002211	43	Asthma
go:clathrin_heavy_chain_binding	0.002211	43	Asthma
go:coated_pit	0.002211	43	Asthma
go:endocytosis	0.002211	43	Asthma
go:glycoprotein_binding	0.002211	43	Asthma
go:intestinal_cholesterol_absorption	0.002211	43	Asthma
go:low-density_lipoprotein_particle_clearance	0.002211	43	Asthma
go:low-density_lipoprotein_receptor_activity	0.002211	43	Asthma
go:phospholipid_transport	0.002211	43	Asthma
go:positive_regulation_of_triglyceride_biosynthetic_process	0.002211	43	Asthma

go:regulation_of_		
phosphatidylcholine_catabolic_process	0.002211	43 Asthma
go:very-low-density_lipoprotein_		
particle_receptor_activity	0.002211	43 Asthma
mint:mint:MINT-4301346	0.002211	43 Asthma
mint:mint:MINT-6177086	0.002211	43 Asthma
mint:mint:MINT-6177157	0.002211	43 Asthma
mint:mint:MINT-6177193	0.002211	43 Asthma
mint:mint:MINT-6804492	0.002211	43 Asthma
pfam:Coagulation_Factor_		
Xa_inhibitory_site	0.002211	43 Asthma
pfam:Low-density_lipoprotein_		
receptor_repeat_class_B	0.002211	43 Asthma
reactome:REACT_6934	0.002211	43 Asthma
pfam:Low-density_lipoprotein_		
receptor_domain_class_A	0.00238	46 Asthma
go:leukotriene-B4_20-		
monooxygenase_activity	0.002402	35 Asthma
go:leukotriene_B4_catabolic_process	0.002402	35 Asthma
go:long-chain_fatty_acid_		
metabolic_process	0.002402	35 Asthma
go:pressure_natriuresis	0.002402	35 Asthma
biogrid:biogrid:809629	0.003091	13 Asthma
biogrid:biogrid:824781	0.003091	13 Asthma
mint:mint:MINT-64803	0.003091	13 Asthma
pfam:TMPIT-like_protein	0.003091	13 Asthma
pfam:Flavin_containing_		
amine_oxidoreductase	0.004292	37 Asthma
reactome:REACT_263961	0.005464	60 Asthma
reactome:REACT_264155	0.005798	61 Asthma
reactome:REACT_264165	0.005798	61 Asthma
biogrid:biogrid:593191	0.006124	5 Asthma
biogrid:biogrid:854909	0.006124	5 Asthma
biogrid:biogrid:854910	0.006124	5 Asthma
biogrid:biogrid:876664	0.006124	5 Asthma
go:aromatic_compound_catabolic_process	0.006754	11 Asthma
pfam:Arylesterase	0.006754	11 Asthma
kegg:Glycosaminoglycan_		
biosynthesis_-_chondroitin_sulfate_		
dermatan_sulfate	0.007027	47 Asthma
go:arylesterase_activity	0.007059	9 Asthma
go:carboxylic_acid_catabolic_process	0.007059	9 Asthma
go:response_to_external_stimulus	0.007059	9 Asthma
biogrid:biogrid:631840	0.007124	6 Asthma
biogrid:biogrid:746198	0.007124	6 Asthma
biogrid:biogrid:752222	0.007124	6 Asthma
biogrid:biogrid:753156	0.007124	6 Asthma

go:methionine_adenosyltransferase_activity	0.007124	6 Asthma
go:sulfur_amino_acid_metabolic_process	0.007124	6 Asthma
kegg:Biosynthesis_of_amino_acids	0.007124	6 Asthma
kegg:Cysteine_and_methionine_metabolism	0.007124	6 Asthma
pfam:S-adenosylmethionine_synthetase__central_domain	0.007124	6 Asthma
pfam:S-adenosylmethionine_synthetase__C-terminal_domain	0.007124	6 Asthma
pfam:S-adenosylmethionine_synthetase__N-terminal_domain	0.007124	6 Asthma
reactome:REACT_115639	0.007124	6 Asthma
reactome:REACT_268063	0.007124	6 Asthma
go:late_endosome	0.008464	67 Asthma
go:chondroitin_sulfate_biosynthetic_process	0.008477	52 Asthma
go:chondroitin_sulfate_metabolic_process	0.008477	52 Asthma
reactome:REACT_120989	0.008477	52 Asthma
reactome:REACT_121206	0.008477	52 Asthma
go:primary_amine_oxidase_activity	0.009225	26 Asthma
pfam:KRAB_box	0.009313	2 Asthma
go:positive_regulation_of_defense_response_to_virus_by_host	0.009969	18 Asthma
go:carbohydrate_metabolic_process	0.009975	107 Asthma
go:early_endosome	0.010744	63 Asthma
go:dopamine_catabolic_process	0.010757	21 Asthma
kegg:Glycine__serine_and_threonine_metabolism	0.010757	21 Asthma
reactome:REACT_1875	0.010757	21 Asthma
reactome:REACT_416	0.010757	21 Asthma
go:glycosaminoglycan_metabolic_process	0.010882	76 Asthma
reactome:REACT_121315	0.010882	76 Asthma
go:cholesterol_import	0.010889	50 Asthma
go:cholesterol_transport	0.010889	50 Asthma
reactome:REACT_474	0.011215	95 Asthma
go:endosome_membrane	0.012883	110 Asthma
go:Golgi_membrane	0.013517	94 Asthma
biogrid:biogrid:603664	0.013533	9 Asthma
biogrid:biogrid:833278	0.013533	9 Asthma
biogrid:biogrid:892338	0.013533	9 Asthma
biogrid:biogrid:892339	0.013533	9 Asthma
biogrid:biogrid:940095	0.013533	9 Asthma
biogrid:biogrid:940811	0.013533	9 Asthma
go:androgen_binding	0.013533	9 Asthma
go:retinal_dehydrogenase_activity	0.013533	9 Asthma
mint:mint:MINT-68416	0.013533	9 Asthma

go:cellular_biogenic_amine_metabolic_process	0.013704	27 Asthma
go:chondroitin_4-sulfotransferase_activity	0.013804	24 Asthma
go:basolateral_plasma_membrane	0.01385	217 Asthma
biogrid:biogrid:1050783	0.014295	44 Asthma
biogrid:biogrid:614154	0.014295	44 Asthma
biogrid:biogrid:631317	0.014295	44 Asthma
biogrid:biogrid:663159	0.014295	44 Asthma
biogrid:biogrid:678119	0.014295	44 Asthma
biogrid:biogrid:690467	0.014295	44 Asthma
biogrid:biogrid:734878	0.014295	44 Asthma
biogrid:biogrid:863106	0.014295	44 Asthma
biogrid:biogrid:871845	0.014295	44 Asthma
biogrid:biogrid:871934	0.014295	44 Asthma
go:adipose_tissue_development	0.014295	44 Asthma
go:liver_development	0.014295	44 Asthma
go:RNA_polymerase_II_transcription_regulatory_region_sequence-specific_DNA_binding_transcription_factor_activity_involved_in_negative_regulation_of_transcription	0.014295	44 Asthma
pfam:ARID/BRIGHT_DNA_binding_domain	0.014295	44 Asthma
go:receptor-mediated_endocytosis	0.014994	127 Asthma
go:alkane_1-monooxygenase_activity	0.015011	52 Asthma
pfam:Sulfotransferase_family	0.015261	53 Asthma
go:renal_water_homeostasis	0.015466	41 Asthma
go:sodium_ion_homeostasis	0.015466	41 Asthma
go:bone_mineralization	0.015709	10 Asthma
go:calcidiol_1-monooxygenase_activity	0.015709	10 Asthma
go:calcium_ion_homeostasis	0.015709	10 Asthma
go:G1_to_G0_transition	0.015709	10 Asthma
go:negative_regulation_of_calcidiol_1-monooxygenase_activity	0.015709	10 Asthma
go:positive_regulation_of_vitamin_D_receptor_signaling_pathway	0.015709	10 Asthma
go:regulation_of_bone_mineralization	0.015709	10 Asthma
go:response_to_interferon-gamma	0.015709	10 Asthma
reactome:REACT_268633	0.015709	10 Asthma
kegg:Toxoplasmosis	0.016376	83 Asthma
kegg:Endocytosis	0.016789	185 Asthma
go:phototransduction__visible_light	0.017578	52 Asthma
reactome:REACT_160125	0.017578	52 Asthma
reactome:REACT_24968	0.017578	52 Asthma
reactome:REACT_6841	0.017578	52 Asthma
go:response_to_lipopolysaccharide	0.017965	11 Asthma
biogrid:biogrid:892337	0.018645	11 Asthma
go:neurotransmitter_secretion	0.018675	56 Asthma
biogrid:biogrid:442570	0.019383	19 Asthma

biogrid:biogrid:626632	0.019383	19 Asthma
biogrid:biogrid:632516	0.019383	19 Asthma
reactome:REACT_267863	0.019383	19 Asthma
kegg:Phenylalanine_metabolism	0.020718	30 Asthma
go:cellular_component	0.020863	47 Asthma
go:N-acetylgalactosamine_4-O-sulfotransferase_activity	0.021181	36 Asthma
pfam:Sulfotransferase_domain	0.02137	117 Asthma
reactome:REACT_15391	0.021838	21 Asthma
reactome:REACT_15532	0.021838	21 Asthma
go:response_to_vitamin_D	0.022543	22 Asthma
kegg:Arginine_and_proline_metabolism	0.023717	36 Asthma
go:positive_regulation_of_GTPase_activity	0.025308	28 Asthma
pfam:Leucine_Rich_repeat	0.027473	2 Asthma
go:cellular_detoxification_of_nitrogen_compound	0.027941	12 Asthma
go:nitrobenzene_metabolic_process	0.027941	12 Asthma
go:sulfotransferase_activity	0.028305	105 Asthma
biogrid:biogrid:631794	0.028472	18 Asthma
biogrid:biogrid:854524	0.028472	18 Asthma
biogrid:biogrid:854913	0.028472	18 Asthma
biogrid:biogrid:876663	0.028472	18 Asthma
go:alpha-tocopherol_omega-hydroxylase_activity	0.028472	18 Asthma
go:arachidonic_acid_omega-hydroxylase_activity	0.028472	18 Asthma
go:negative_regulation_of_icosanoid_secretion	0.028472	18 Asthma
go:tocotrienol_omega-hydroxylase_activity	0.028472	18 Asthma
go:calcium_ion_binding	0.030419	18 Asthma
go:glutathione_binding	0.033099	15 Asthma
kegg:Ovarian_steroidogenesis	0.033722	128 Asthma
kegg:Tryptophan_metabolism	0.035616	90 Asthma
kegg:Hepatitis_C	0.036627	131 Asthma
go:negative_regulation_of_blood_coagulation	0.036764	30 Asthma
go:very_long-chain_fatty_acid_metabolic_process	0.036764	30 Asthma
go:vitamin_E_metabolic_process	0.036764	30 Asthma
go:vitamin_K_biosynthetic_process	0.036764	30 Asthma
go:GTPase_activator_activity	0.037665	17 Asthma
biogrid:biogrid:1051043	0.038105	5 Asthma
biogrid:biogrid:632173	0.038105	5 Asthma
biogrid:biogrid:728115	0.038105	5 Asthma
go:aryldialkylphosphatase_activity	0.038105	5 Asthma
go:negative_regulation_of_plasma_lipoprotein_particle_oxidation	0.038105	5 Asthma
go:organophosphate_catabolic_process	0.038105	5 Asthma
go:phosphatidylcholine_metabolic_process	0.038105	5 Asthma

go:positive_regulation_of_binding	0.038105	5 Asthma
go:positive_regulation_of_cholesterol_efflux	0.038105	5 Asthma
go:positive_regulation_of_transporter_activity	0.038105	5 Asthma
go:3'-phosphoadenosine_5'-phosphosulfate_metabolic_process	0.041281	74 Asthma
reactome:REACT_6913	0.041281	74 Asthma
biogrid:biogrid:1051446	0.0457	7 Asthma
biogrid:biogrid:1052013	0.0457	7 Asthma
biogrid:biogrid:1052957	0.0457	7 Asthma
biogrid:biogrid:243052	0.0457	7 Asthma
biogrid:biogrid:566053	0.0457	7 Asthma
biogrid:biogrid:601512	0.0457	7 Asthma
biogrid:biogrid:604765	0.0457	7 Asthma
biogrid:biogrid:815981	0.0457	7 Asthma
biogrid:biogrid:876133	0.0457	7 Asthma
biogrid:biogrid:951342	0.0457	7 Asthma
go:establishment_of_blood-nerve_barrier	0.0457	7 Asthma
mint:mint:MINT-8167646	0.0457	7 Asthma
mint:mint:MINT-8270473	0.0457	7 Asthma
biogrid:biogrid:316292	0.045789	5 Asthma
biogrid:biogrid:618508	0.045789	5 Asthma
go:regulation_of_skeletal_muscle_contraction_by_regulation_of_release_of_sequestered_calcium_ion	0.045789	5 Asthma
go:relaxation_of_cardiac_muscle	0.045789	5 Asthma
kegg:Histidine_metabolism	0.046912	50 Asthma
go:drug_transport	0.047726	48 Asthma
go:lysosome	0.049056	119 Asthma
biogrid:biogrid:424435	0.049432	16 Asthma
biogrid:biogrid:534905	0.049432	16 Asthma
biogrid:biogrid:534906	0.049432	16 Asthma
biogrid:biogrid:534907	0.049432	16 Asthma
biogrid:biogrid:534908	0.049432	16 Asthma
biogrid:biogrid:534909	0.049432	16 Asthma
biogrid:biogrid:534910	0.049432	16 Asthma
biogrid:biogrid:534912	0.049432	16 Asthma
biogrid:biogrid:534914	0.049432	16 Asthma
biogrid:biogrid:534915	0.049432	16 Asthma
biogrid:biogrid:622570	0.049432	16 Asthma
go:histone_demethylase_activity_(H3-dimethyl-K4_specific)	0.049432	16 Asthma
go:histone_demethylase_activity_(H3-monomethyl-K4_specific)	0.049432	16 Asthma
go:histone_H3-K4_demethylation	0.049432	16 Asthma

go:regulation_of_DNA_methylation	0.049432	16 Asthma
go:regulation_of_gene_expression_by_genetic_imprinting	0.049432	16 Asthma
pfam:CW-type_Zinc_Finger	0.049432	16 Asthma
go:Golgi_apparatus	0.049499	196 Asthma
go:purine_nucleoside_transmembrane_transport	0.002107	9 BPH
go:purine_nucleoside_transmembrane_transporter_activity	0.002107	9 BPH
go:adult_walking_behavior	0.005025	63 BPH
go:cerebral_cortex_GABAergic_interneuron_migration	0.005025	63 BPH
go:phospholipase_C-activating_dopamine_receptor_signaling_pathway	0.005025	63 BPH
go:positive_regulation_of_cytosolic_calcium_ion_concentration_involved_in_phospholipase_C-activating_G-protein_coupled_signaling_pathway	0.005025	63 BPH
go:prepulse_inhibition	0.005025	63 BPH
go:regulation_of_dopamine_uptake_involved_in_synaptic_transmission	0.005025	63 BPH
go:synapse_assembly	0.005025	63 BPH
go:visual_learning	0.005025	63 BPH
reactome:REACT_16968	0.005025	63 BPH
pfam:7_transmembrane_receptor_(rhodopsin_family)	0.005078	130 BPH
reactome:REACT_16983	0.005078	130 BPH
reactome:REACT_14828	0.005244	131 BPH
kegg:Neuroactive_ligand-receptor_interaction	0.007176	193 BPH
kegg:Gap_junction	0.007326	169 BPH
go:positive_regulation_of_cAMP_biosynthetic_process	0.008451	110 BPH
reactome:REACT_21340	0.008988	151 BPH
reactome:REACT_19184	0.011032	178 BPH
go:dopamine_metabolic_process	0.012001	65 BPH
kegg:Parkinson's_disease	0.012453	111 BPH
reactome:REACT_14797	0.012593	239 BPH
go:response_to_drug	0.012802	241 BPH
biogrid:biogrid:278849	0.013059	28 BPH
biogrid:biogrid:280299	0.013059	28 BPH
biogrid:biogrid:306166	0.013059	28 BPH
biogrid:biogrid:306168	0.013059	28 BPH
biogrid:biogrid:306169	0.013059	28 BPH
biogrid:biogrid:478404	0.013059	28 BPH
biogrid:biogrid:948551	0.013059	28 BPH
biogrid:biogrid:948552	0.013059	28 BPH
go:adenylate_cyclase-activating_dopamine_receptor_signaling_pathway	0.013059	28 BPH

go:adenylate_cyclase-activating_G-protein_coupled_receptor_signaling_pathway	0.013059	28 BPH
go:cellular_response_to_catecholamine_stimulus	0.013059	28 BPH
go:dopamine_binding	0.013059	28 BPH
go:dopamine_neurotransmitter_receptor_activity	0.013059	28 BPH
go:dopamine_neurotransmitter_receptor_activity__coupled_via_Gs	0.013059	28 BPH
go:G-protein_coupled_amine_receptor_activity	0.013059	28 BPH
go:G-protein_coupled_receptor_signaling_pathway__coupled_to_cyclic_nucleotide_second_messenger	0.013059	28 BPH
go:mating_behavior	0.013059	28 BPH
go:positive_regulation_of_potassium_ion_transport	0.013059	28 BPH
go:positive_regulation_of_release_of_sequestered_calcium_ion_into_cytosol	0.013059	28 BPH
go:positive_regulation_of_synaptic_transmission__glutamatergic	0.013059	28 BPH
go:sensory_perception_of_chemical_stimulus	0.013059	28 BPH
go:synaptic_transmission__dopaminergic	0.013059	28 BPH
go:transmission_of_nerve_impulse	0.013059	28 BPH
kegg:Cocaine_addiction	0.018626	184 BPH
reactome:REACT_19327	0.019372	75 BPH
go:positive_regulation_of_cell_migration	0.020225	90 BPH
biogrid:biogrid:279619	0.022972	15 BPH
mint:mint:MINT-8170022	0.022972	15 BPH
go:detection_of_chemical_stimulus	0.025534	11 BPH
biogrid:biogrid:610034	0.026912	13 BPH
go:positive_regulation_of_adenylate_cyclase_activity_involved_in_G-protein_coupled_receptor_signaling_pathway	0.030651	51 BPH
go:epithelial_cell_differentiation	0.030986	50 BPH
kegg:Morphine_addiction	0.032207	87 BPH
go:calcium_ion_binding	0.034158	18 BPH
biogrid:biogrid:1037052	0.036619	8 BPH
biogrid:biogrid:593342	0.036619	8 BPH
biogrid:biogrid:893338	0.036619	8 BPH
biogrid:biogrid:893425	0.036619	8 BPH
go:cerebroside-sulfatase_activity	0.036619	8 BPH
go:glycosphingolipid_metabolic_process	0.036619	8 BPH
go:lysosomal_lumen	0.036619	8 BPH
go:sphingolipid_metabolic_process	0.036619	8 BPH
go:sulfuric_ester_hydrolase_activity	0.036619	8 BPH
mint:mint:MINT-8165171	0.036619	8 BPH
pfam:C-terminal_region_of_aryl-sulfatase	0.036619	8 BPH
pfam:Sulfatase	0.036619	8 BPH

reactome:REACT_116105	0.036619	8 BPH
reactome:REACT_121036	0.036619	8 BPH
reactome:REACT_19323	0.036619	8 BPH
go:anion_transmembrane_transport	0.042603	105 BPH
biogrid:biogrid:245524	0.044772	9 BPH
biogrid:biogrid:593047	0.044772	9 BPH
biogrid:biogrid:593048	0.044772	9 BPH
biogrid:biogrid:838614	0.044772	9 BPH
biogrid:biogrid:892674	0.044772	9 BPH
biogrid:biogrid:893016	0.044772	9 BPH
biogrid:biogrid:893590	0.044772	9 BPH
biogrid:biogrid:893591	0.044772	9 BPH
biogrid:biogrid:893592	0.044772	9 BPH
biogrid:biogrid:893593	0.044772	9 BPH
biogrid:biogrid:893594	0.044772	9 BPH
biogrid:biogrid:894523	0.044772	9 BPH
biogrid:biogrid:894524	0.044772	9 BPH
biogrid:biogrid:894525	0.044772	9 BPH
biogrid:biogrid:914396	0.044772	9 BPH
go:neuron-neuron_synaptic_transmission	0.04764	37 BPH
kegg:Non-alcoholic_fatty_liver_disease_(NAFLD)	0.04989	24 BPH
go:glucocorticoid_biosynthetic_process	0.00395	39 Cataracts
reactome:REACT_13812	0.005215	130 Cataracts
go:water-soluble_vitamin_metabolic_process	0.005691	76 Cataracts
biogrid:biogrid:259322	0.005956	32 Cataracts
biogrid:biogrid:282008	0.005956	32 Cataracts
biogrid:biogrid:677630	0.005956	32 Cataracts
biogrid:biogrid:868463	0.005956	32 Cataracts
go:1-(4-iodo-2_5-dimethoxyphenyl)		
propan-2-amine_binding	0.005956	32 Cataracts
go:phosphatidylinositol_3-kinase_signaling	0.005956	32 Cataracts
go:positive_regulation_of_phosphatidylinositol_biosynthetic_process	0.005956	32 Cataracts
go:serotonin_binding	0.005956	32 Cataracts
mint:mint:MINT-73187	0.005956	32 Cataracts
reactome:REACT_268601	0.006617	18 Cataracts
kegg:Inflammatory_mediator_regulation_of_TRP_channels	0.007016	41 Cataracts
reactome:REACT_11193	0.007164	87 Cataracts
reactome:REACT_11238	0.007164	87 Cataracts
go:vitamin_metabolic_process	0.008387	136 Cataracts
biogrid:biogrid:1032071	0.010076	28 Cataracts
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kegg:Spingolipid_signaling_pathway	0.010076	28 Cataracts
reactome:REACT_163862	0.010076	28 Cataracts
reactome:REACT_11036	0.012439	32 Cataracts
go:glucose_homeostasis	0.012599	24 Cataracts
go:mitochondrial_inner_membrane	0.013925	57 Cataracts
biogrid:biogrid:874910	0.014103	69 Cataracts
go:prostaglandin_biosynthetic_process	0.014103	69 Cataracts
biogrid:biogrid:906563	0.014312	31 Cataracts
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pfam:Protein_Family_FAM117	0.014312	31 Cataracts
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mint:mint:MINT-8254921	0.014372	22 Cataracts
pfam:RUN_domain	0.014372	22 Cataracts
go:ATPase_activity	0.015706	37 Cataracts
go:aldosterone_biosynthetic_process	0.01599	24 Cataracts

go:cellular_response_to_potassium_ion	0.01599	24 Cataracts
go:cortisol_biosynthetic_process	0.01599	24 Cataracts
go:steroid_11-beta-monooxygenase_activity	0.01599	24 Cataracts
go:DNA_damage_response__signal_transduction_by_p53_class_mediator_resulting_in_cell_cycle_arrest	0.016852	25 Cataracts
go:extrinsic_component_of_membrane	0.016852	25 Cataracts
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reactome:REACT_264071	0.016852	25 Cataracts
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reactome:REACT_264164	0.016852	25 Cataracts
reactome:REACT_264487	0.016852	25 Cataracts
go:C21-steroid_hormone_biosynthetic_process	0.017853	32 Cataracts
reactome:REACT_11057	0.017892	89 Cataracts
reactome:REACT_unknown_1773	0.017892	89 Cataracts
reactome:REACT_268786	0.017895	3 Cataracts
pfam:Trypsin	0.018258	27 Cataracts
reactome:REACT_120956	0.018312	60 Cataracts
go:sterol_metabolic_process	0.021143	92 Cataracts
go:positive_regulation_of_angiogenesis	0.022198	54 Cataracts
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go:cellular_response_to_interleukin-6	0.02251	23 Cataracts
go:negative_regulation_of_nitric_oxide_biosynthetic_process	0.02251	23 Cataracts
go:nicotinamide_metabolic_process	0.02251	23 Cataracts
go:positive_regulation_of_execution_phase_of_apoptosis	0.02251	23 Cataracts
go:positive_regulation_of_peroxisome_proliferator_activated_receptor_signaling_pathway	0.02251	23 Cataracts
go:prostaglandin-I_synthase_activity	0.02251	23 Cataracts
go:immune_response	0.022724	57 Cataracts
reactome:REACT_11213	0.023037	28 Cataracts
reactome:REACT_13438	0.023037	28 Cataracts
go:NAD_metabolic_process	0.023227	25 Cataracts
go:response_to_drug	0.023492	238 Cataracts
reactome:REACT_11088	0.023771	30 Cataracts
go:purine_nucleoside_transmembrane_transport	0.024757	9 Cataracts
go:purine_nucleoside_transmembrane_transporter_activity	0.024757	9 Cataracts
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go:cyclooxygenase_pathway	0.02549	133 Cataracts

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go:androgen_biosynthetic_process	0.027078	8 Cataracts
go:progesterone_metabolic_process	0.027078	8 Cataracts
go:sex_differentiation	0.027078	8 Cataracts
go:steroid_17-alpha-monooxygenase_activity	0.027078	8 Cataracts
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reactome:REACT_268217	0.027078	8 Cataracts
reactome:REACT_147851	0.02722	388 Cataracts
go:cellular_response_to_hypoxia	0.027746	44 Cataracts
go:negative_regulation_of_cell_proliferation	0.02791	126 Cataracts
go:regulation_of_blood_pressure	0.02902	184 Cataracts
go:negative_regulation_of_NF-kappaB_transcription_factor_activity	0.032285	36 Cataracts
kegg:Oxidative_phosphorylation	0.03328	8 Cataracts
reactome:REACT_11048	0.033487	59 Cataracts
kegg:Viral_carcinogenesis	0.034167	16 Cataracts
kegg:Arachidonic_acid_metabolism	0.034312	334 Cataracts
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go:peroxidase_activity	0.035035	46 Cataracts
go:prostaglandin-endoperoxide_synthase_activity	0.035035	46 Cataracts
mint:mint:MINT-8107183	0.035035	46 Cataracts
pfam:Animal_haem_peroxidase	0.035035	46 Cataracts
reactome:REACT_1396	0.035035	46 Cataracts
go:negative_regulation_of_inflammatory_response	0.035747	30 Cataracts
kegg:Adipocytokine_signaling_pathway	0.037863	26 Cataracts
kegg:Small_cell_lung_cancer	0.037863	26 Cataracts
reactome:REACT_11053	0.039212	35 Cataracts

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go:protein_phosphorylation	0.045208	22 Cataracts
go:cellular_response_to_DNA_damage_stimulus	0.04599	12 Cataracts
go:leukotriene_metabolic_process	0.046053	90 Cataracts
go:MyD88-dependent_toll-like_receptor_signaling_pathway	0.047755	13 Cataracts
go:toll-like_receptor_10_signaling_pathway	0.047755	13 Cataracts
go:toll-like_receptor_5_signaling_pathway	0.047755	13 Cataracts
go:toll-like_receptor_signaling_pathway	0.047755	13 Cataracts
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go:protein_kinase_activity	0.002385	22 Diverticulosis
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go:positive_regulation_of_JNK_cascade	0.002389	17 Diverticulosis
go:positive_regulation_of_protein_binding	0.002389	17 Diverticulosis
go:positive_regulation_of_transforming_ growth_factor_beta_receptor_signaling_pathway	0.002389	17 Diverticulosis
go:RNA_polymerase_II_activating_ transcription_factor_binding	0.002389	17 Diverticulosis
go:RNA_polymerase_II_transcription_ coactivator_activity	0.002389	17 Diverticulosis
go:SMAD_binding	0.002389	17 Diverticulosis
go:SMAD_protein_signal_transduction	0.002389	17 Diverticulosis
go:transcription_corepressor_activity	0.002389	17 Diverticulosis
go:virion_binding	0.002389	17 Diverticulosis
mint:mint:MINT-2982465	0.002389	17 Diverticulosis
mint:mint:MINT-2982487	0.002389	17 Diverticulosis
mint:mint:MINT-2982510	0.002389	17 Diverticulosis
mint:mint:MINT-2982535	0.002389	17 Diverticulosis
mint:mint:MINT-2982577	0.002389	17 Diverticulosis
mint:mint:MINT-2982635	0.002389	17 Diverticulosis
mint:mint:MINT-2984544	0.002389	17 Diverticulosis
mint:mint:MINT-2984574	0.002389	17 Diverticulosis
mint:mint:MINT-60084	0.002389	17 Diverticulosis
mint:mint:MINT-60085	0.002389	17 Diverticulosis
mint:mint:MINT-60086	0.002389	17 Diverticulosis
mint:mint:MINT-60087	0.002389	17 Diverticulosis

mint:mint:MINT-60088	0.002389	17 Diverticulosis
mint:mint:MINT-60090	0.002389	17 Diverticulosis
mint:mint:MINT-60091	0.002389	17 Diverticulosis
mint:mint:MINT-60092	0.002389	17 Diverticulosis
mint:mint:MINT-60093	0.002389	17 Diverticulosis
mint:mint:MINT-60094	0.002389	17 Diverticulosis
mint:mint:MINT-68739	0.002389	17 Diverticulosis
mint:mint:MINT-68740	0.002389	17 Diverticulosis
mint:mint:MINT-68741	0.002389	17 Diverticulosis
mint:mint:MINT-68744	0.002389	17 Diverticulosis
mint:mint:MINT-68745	0.002389	17 Diverticulosis
mint:mint:MINT-68746	0.002389	17 Diverticulosis
mint:mint:MINT-7308914	0.002389	17 Diverticulosis
mint:mint:MINT-7308929	0.002389	17 Diverticulosis
mint:mint:MINT-8084886	0.002389	17 Diverticulosis
mint:mint:MINT-8084902	0.002389	17 Diverticulosis
mint:mint:MINT-8084962	0.002389	17 Diverticulosis
mint:mint:MINT-8084976	0.002389	17 Diverticulosis
mint:mint:MINT-8084992	0.002389	17 Diverticulosis
mint:mint:MINT-8085008	0.002389	17 Diverticulosis
mint:mint:MINT-8085045	0.002389	17 Diverticulosis
mint:mint:MINT-8085067	0.002389	17 Diverticulosis
mint:mint:MINT-8085171	0.002389	17 Diverticulosis
mint:mint:MINT-8085226	0.002389	17 Diverticulosis
mint:mint:MINT-8085240	0.002389	17 Diverticulosis
mint:mint:MINT-8085254	0.002389	17 Diverticulosis
mint:mint:MINT-8088896	0.002389	17 Diverticulosis
go:protein_serine/threonine_kinase_activity	0.006728	47 Diverticulosis
go:urate_transport	0.00907	10 Diverticulosis
go:regulation_of_cell_cycle	0.00976	42 Diverticulosis
go:protein_complex	0.010817	122 Diverticulosis
biogrid:biogrid:255859	0.010938	107 Diverticulosis
biogrid:biogrid:268182	0.010938	107 Diverticulosis
biogrid:biogrid:268183	0.010938	107 Diverticulosis
biogrid:biogrid:268184	0.010938	107 Diverticulosis
biogrid:biogrid:268187	0.010938	107 Diverticulosis
biogrid:biogrid:268188	0.010938	107 Diverticulosis
biogrid:biogrid:268189	0.010938	107 Diverticulosis
biogrid:biogrid:268190	0.010938	107 Diverticulosis
biogrid:biogrid:268191	0.010938	107 Diverticulosis
biogrid:biogrid:268192	0.010938	107 Diverticulosis
biogrid:biogrid:268193	0.010938	107 Diverticulosis
biogrid:biogrid:268194	0.010938	107 Diverticulosis
biogrid:biogrid:268195	0.010938	107 Diverticulosis
biogrid:biogrid:276736	0.010938	107 Diverticulosis
biogrid:biogrid:276737	0.010938	107 Diverticulosis
biogrid:biogrid:276883	0.010938	107 Diverticulosis

biogrid:biogrid:276884	0.010938	107 Diverticulosis
biogrid:biogrid:297587	0.010938	107 Diverticulosis
biogrid:biogrid:556245	0.010938	107 Diverticulosis
biogrid:biogrid:556358	0.010938	107 Diverticulosis
biogrid:biogrid:729933	0.010938	107 Diverticulosis
biogrid:biogrid:834434	0.010938	107 Diverticulosis
biogrid:biogrid:844342	0.010938	107 Diverticulosis
biogrid:biogrid:869913	0.010938	107 Diverticulosis
biogrid:biogrid:888720	0.010938	107 Diverticulosis
biogrid:biogrid:905886	0.010938	107 Diverticulosis
go:calcium_channel_complex	0.010938	107 Diverticulosis
go:calcium-induced_ calcium_release_activity	0.010938	107 Diverticulosis
go:calcium-mediated_signaling	0.010938	107 Diverticulosis
go:calcium-mediated_signaling_ using_intracellular_calcium_source	0.010938	107 Diverticulosis
go:cardiac_muscle_hypertrophy	0.010938	107 Diverticulosis
go:cellular_response_to_ epinephrine_stimulus	0.010938	107 Diverticulosis
go:detection_of_calcium_ion	0.010938	107 Diverticulosis
go:embryonic_heart_tube_ morphogenesis	0.010938	107 Diverticulosis
go:establishment_of_protein_ localization_to_endoplasmic_reticulum	0.010938	107 Diverticulosis
go:intracellular_ligand-gated_ calcium_channel_activity	0.010938	107 Diverticulosis
go:left_ventricular_cardiac_ muscle_tissue_morphogenesis	0.010938	107 Diverticulosis
go:positive_regulation_of_ calcium-transporting_ATPase_activity	0.010938	107 Diverticulosis
go:positive_regulation_of_ heart_rate	0.010938	107 Diverticulosis
go:positive_regulation_of_ sequestering_of_calcium_ion	0.010938	107 Diverticulosis
go:positive_regulation_of_ the_force_of_heart_contraction	0.010938	107 Diverticulosis
go:protein_kinase_A_catalytic_subunit_binding	0.010938	107 Diverticulosis
go:protein_kinase_A_regulatory_subunit_binding	0.010938	107 Diverticulosis
go:Purkinje_myocyte_to_ventricular_ _cardiac_muscle_cell_signaling	0.010938	107 Diverticulosis
go:regulation_of_atrial_cardiac_muscle_ _cell_action_potential	0.010938	107 Diverticulosis
go:regulation_of_AV_node_ _cell_action_potential	0.010938	107 Diverticulosis
go:regulation_of_cardiac_ muscle_contraction	0.010938	107 Diverticulosis

go:regulation_of_cardiac_muscle_contraction_by_calcium_ion_signaling	0.010938	107 Diverticulosis
go:regulation_of_SA_node_cell_action_potential	0.010938	107 Diverticulosis
go:regulation_of_ventricular_cardiac_muscle_cell_action_potential	0.010938	107 Diverticulosis
go:response_to_muscle_activity	0.010938	107 Diverticulosis
go:response_to_muscle_stretch	0.010938	107 Diverticulosis
go:sarcoplasmic_reticulum_calcium_ion_transport	0.010938	107 Diverticulosis
go:suramin_binding	0.010938	107 Diverticulosis
go:type_B_pancreatic_cell_apoptotic_process	0.010938	107 Diverticulosis
mint:mint:MINT-19747	0.010938	107 Diverticulosis
mint:mint:MINT-19826	0.010938	107 Diverticulosis
mint:mint:MINT-19871	0.010938	107 Diverticulosis
mint:mint:MINT-61836	0.010938	107 Diverticulosis
go:response_to_redox_state	0.011069	108 Diverticulosis
kegg:Pancreatic_secretion	0.011351	109 Diverticulosis
biogrid:biogrid:825627	0.012248	112 Diverticulosis
go:modulation_by_virus_of_host_morphology_or_physiology	0.031025	32 Diverticulosis
reactome:REACT_118713	0.031025	32 Diverticulosis
go:cellular_ketone_metabolic_process	0.034151	36 Diverticulosis
biogrid:biogrid:1047106	0.034778	6 Diverticulosis
biogrid:biogrid:618791	0.034778	6 Diverticulosis
biogrid:biogrid:688619	0.034778	6 Diverticulosis
mint:mint:MINT-8164383	0.034778	6 Diverticulosis
reactome:REACT_12627	0.036128	440 Diverticulosis
pfam:SCAN_domain	0.037147	69 Diverticulosis
reactome:REACT_71	0.03914	458 Diverticulosis
pfam:Protein_kinase_domain	0.04173	83 Diverticulosis
biogrid:biogrid:300829	0.041955	8 Diverticulosis
biogrid:biogrid:300831	0.041955	8 Diverticulosis
biogrid:biogrid:692361	0.041955	8 Diverticulosis
go:basic_amino_acid_transmembrane_transporter_activity	0.041955	8 Diverticulosis
go:basic_amino_acid_transport	0.041955	8 Diverticulosis
go:L-alpha-amino_acid_transmembrane_transport	0.041955	8 Diverticulosis
go:L-amino_acid_transport	0.041955	8 Diverticulosis
go:protein_complex_assembly	0.041955	8 Diverticulosis
go:regulation_of_arginine_metabolic_process	0.041955	8 Diverticulosis
go:cardiac_muscle_contraction	0.042233	194 Diverticulosis
go:ventricular_cardiac_muscle_cell_action_potential	0.042233	194 Diverticulosis
go:ion_channel_binding	0.046266	185 Diverticulosis

go:oxidoreductase_activity__acting_on_ paired_donors__with_incorporation_or_reduction _of_molecular_oxygen__NAD(P)H_as_one_donor_ and_incorporation_of_one_atom_of_oxygen	0.004952	110 GERD
go:cholesterol_catabolic_process	0.005962	8 GERD
go:cellular_response_to_cholesterol	0.006451	7 GERD
go:cellular_response_to_glucose_stimulus	0.006451	7 GERD
go:cholesterol_7-alpha-monooxygenase_activity	0.006451	7 GERD
go:regulation_of_bile_acid_biosynthetic_process	0.006451	7 GERD
kegg:Primary_bile_acid_biosynthesis	0.006644	28 GERD
biogrid:biogrid:281849	0.009569	12 GERD
biogrid:biogrid:281850	0.009569	12 GERD
biogrid:biogrid:281851	0.009569	12 GERD
biogrid:biogrid:281852	0.009569	12 GERD
biogrid:biogrid:281853	0.009569	12 GERD
biogrid:biogrid:680220	0.009569	12 GERD
biogrid:biogrid:718762	0.009569	12 GERD
go:adenylate_cyclase-inhibiting_serotonin_ receptor_signaling_pathway	0.009569	12 GERD
go:behavioral_fear_response	0.009569	12 GERD
go:exploration_behavior	0.009569	12 GERD
go:regulation_of_dopamine_metabolic_process	0.009569	12 GERD
go:regulation_of_serotonin_secretion	0.009569	12 GERD
biogrid:biogrid:893312	0.012892	5 GERD
biogrid:biogrid:305777	0.014023	81 GERD
biogrid:biogrid:833264	0.014023	81 GERD
go:positive_regulation_of_vascular_endothelial _growth_factor_production	0.014741	17 GERD
biogrid:biogrid:1035644	0.0151	8 GERD
biogrid:biogrid:1052632	0.0151	8 GERD
biogrid:biogrid:1053640	0.0151	8 GERD
biogrid:biogrid:277855	0.0151	8 GERD
biogrid:biogrid:277856	0.0151	8 GERD
biogrid:biogrid:505169	0.0151	8 GERD
biogrid:biogrid:561201	0.0151	8 GERD
biogrid:biogrid:561202	0.0151	8 GERD
biogrid:biogrid:621623	0.0151	8 GERD
biogrid:biogrid:685231	0.0151	8 GERD
biogrid:biogrid:749216	0.0151	8 GERD
biogrid:biogrid:750154	0.0151	8 GERD
biogrid:biogrid:752692	0.0151	8 GERD
biogrid:biogrid:752945	0.0151	8 GERD
biogrid:biogrid:753673	0.0151	8 GERD
biogrid:biogrid:826871	0.0151	8 GERD
biogrid:biogrid:836990	0.0151	8 GERD
biogrid:biogrid:876160	0.0151	8 GERD
biogrid:biogrid:914967	0.0151	8 GERD

biogrid:biogrid:914968	0.0151	8 GERD
biogrid:biogrid:940036	0.0151	8 GERD
biogrid:biogrid:940514	0.0151	8 GERD
go:regulation_of_cellular_		
amino_acid_metabolic_process	0.0151	8 GERD
go:synaptic_transmission__cholinergic	0.0151	8 GERD
mint:mint:MINT-6616019	0.0151	8 GERD
mint:mint:MINT-6616047	0.0151	8 GERD
mint:mint:MINT-6616064	0.0151	8 GERD
pfam:Flavodoxin-like_fold	0.0151	8 GERD
reactome:REACT_13565	0.0151	8 GERD
reactome:REACT_19231	0.017784	47 GERD
go:nitric_oxide_biosynthetic_process	0.017824	21 GERD
biogrid:biogrid:245524	0.019995	9 GERD
biogrid:biogrid:593047	0.019995	9 GERD
biogrid:biogrid:593048	0.019995	9 GERD
biogrid:biogrid:838614	0.019995	9 GERD
biogrid:biogrid:892674	0.019995	9 GERD
biogrid:biogrid:893016	0.019995	9 GERD
biogrid:biogrid:893590	0.019995	9 GERD
biogrid:biogrid:893591	0.019995	9 GERD
biogrid:biogrid:893592	0.019995	9 GERD
biogrid:biogrid:893593	0.019995	9 GERD
biogrid:biogrid:893594	0.019995	9 GERD
biogrid:biogrid:894523	0.019995	9 GERD
biogrid:biogrid:894524	0.019995	9 GERD
biogrid:biogrid:894525	0.019995	9 GERD
biogrid:biogrid:914396	0.019995	9 GERD
biogrid:biogrid:833268	0.021359	106 GERD
biogrid:biogrid:879407	0.021359	106 GERD
go:negative_regulation_of_		
blood_coagulation	0.02635	30 GERD
go:very_long-chain_fatty_acid_		
metabolic_process	0.02635	30 GERD
go:vitamin_E_metabolic_process	0.02635	30 GERD
go:vitamin_K_biosynthetic_process	0.02635	30 GERD
biogrid:biogrid:252662	0.030932	33 GERD
go:biological_process	0.03159	68 GERD
go:alkane_1-monooxygenase_activity	0.037451	52 GERD
go:leukotriene-B4_20-monooxygenase_activity	0.04123	35 GERD
go:leukotriene_B4_catabolic_process	0.04123	35 GERD
go:long-chain_fatty_acid_metabolic_process	0.04123	35 GERD
go:pressure_natriuresis	0.04123	35 GERD
biogrid:biogrid:631794	0.042788	18 GERD
biogrid:biogrid:854524	0.042788	18 GERD
biogrid:biogrid:854913	0.042788	18 GERD
biogrid:biogrid:876663	0.042788	18 GERD

go:alpha-tocopherol_omega-hydroxylase_activity	0.042788	18 GERD
go:arachidonic_acid_omega-hydroxylase_activity	0.042788	18 GERD
go:negative_regulation_of_icosanoid_secretion	0.042788	18 GERD
go:tocotrienol_omega-hydroxylase_activity	0.042788	18 GERD
pfam:PAS_domain	0.044148	31 GERD
pfam:PAS_domain	0.044148	31 GERD
biogrid:biogrid:478465	0.044438	10 GERD
biogrid:biogrid:478466	0.044438	10 GERD
go:menaquinone_catabolic_process	0.045141	29 GERD
go:phylloquinone_catabolic_process	0.045141	29 GERD
go:vitamin_K_catabolic_process	0.045141	29 GERD
go:serotonin_metabolic_process	0.045328	14 GERD
biogrid:biogrid:320253	0.047635	34 GERD
biogrid:biogrid:320254	0.047635	34 GERD
biogrid:biogrid:831163	0.047635	34 GERD
biogrid:biogrid:838616	0.047635	34 GERD
biogrid:biogrid:893597	0.047635	34 GERD
biogrid:biogrid:914324	0.047635	34 GERD
biogrid:biogrid:914325	0.047635	34 GERD
biogrid:biogrid:914327	0.047635	34 GERD
go:testosterone_6-beta-hydroxylase_activity	0.047635	34 GERD
go:vitamin_D3_25-hydroxylase_activity	0.047635	34 GERD
kegg:Ubiquinone_and_other_terpenoid-quinone_biosynthesis	0.048636	24 GERD
kegg:RNA_degradation	0.001493	14 Hypertension
biogrid:biogrid:1032065	0.001515	13 Hypertension
biogrid:biogrid:1049143	0.001515	13 Hypertension
biogrid:biogrid:424420	0.001515	13 Hypertension
biogrid:biogrid:590649	0.001515	13 Hypertension
biogrid:biogrid:621770	0.001515	13 Hypertension
biogrid:biogrid:823610	0.001515	13 Hypertension
biogrid:biogrid:823611	0.001515	13 Hypertension
biogrid:biogrid:823612	0.001515	13 Hypertension
biogrid:biogrid:823631	0.001515	13 Hypertension
biogrid:biogrid:823632	0.001515	13 Hypertension
biogrid:biogrid:823633	0.001515	13 Hypertension
biogrid:biogrid:834207	0.001515	13 Hypertension
biogrid:biogrid:905463	0.001515	13 Hypertension
biogrid:biogrid:905464	0.001515	13 Hypertension
biogrid:biogrid:905691	0.001515	13 Hypertension
biogrid:biogrid:905699	0.001515	13 Hypertension
biogrid:biogrid:905706	0.001515	13 Hypertension
biogrid:biogrid:941601	0.001515	13 Hypertension
biogrid:biogrid:941604	0.001515	13 Hypertension

biogrid:biogrid:941605	0.001515	13 Hypertension
biogrid:biogrid:949190	0.001515	13 Hypertension
biogrid:biogrid:949191	0.001515	13 Hypertension
biogrid:biogrid:949192	0.001515	13 Hypertension
go:cytoplasmic_mRNA_processing_body	0.001515	13 Hypertension
go:deadenylation-dependent_decapping_of_nuclear-transcribed_mRNA	0.001515	13 Hypertension
go:deadenylation-independent_decapping_of_nuclear-transcribed_mRNA	0.001515	13 Hypertension
go:enzyme_regulator_activity	0.001515	13 Hypertension
go:exonucleolytic_nuclear-transcribed_mRNA_catabolic_process_involved_in_deadenylation-dependent_decay	0.001515	13 Hypertension
go:mRNA_binding	0.001515	13 Hypertension
go:nuclear-transcribed_mRNA_catabolic_process_deadenylation-dependent_decay	0.001515	13 Hypertension
go:regulation_of_catalytic_activity	0.001515	13 Hypertension
go:RNA_7-methylguanosine_cap_binding	0.001515	13 Hypertension
mint:mint:MINT-61962	0.001515	13 Hypertension
mint:mint:MINT-8169356	0.001515	13 Hypertension
pfam:Dcp1-like_decapping_family	0.001515	13 Hypertension
reactome:REACT_20518	0.001515	13 Hypertension
reactome:REACT_20639	0.001515	13 Hypertension
biogrid:biogrid:1032054	0.003591	24 Hypertension
biogrid:biogrid:559871	0.003591	24 Hypertension
biogrid:biogrid:609388	0.003591	24 Hypertension
biogrid:biogrid:857472	0.003591	24 Hypertension
biogrid:biogrid:887062	0.003591	24 Hypertension
biogrid:biogrid:887063	0.003591	24 Hypertension
biogrid:biogrid:887064	0.003591	24 Hypertension
biogrid:biogrid:887065	0.003591	24 Hypertension
biogrid:biogrid:887066	0.003591	24 Hypertension
biogrid:biogrid:903799	0.003591	24 Hypertension
biogrid:biogrid:903801	0.003591	24 Hypertension
go:15-hydroxyprostaglandin_dehydrogenase_(NAD+)_activity	0.003591	24 Hypertension
go:platelet_dense_granule_membrane	0.003591	24 Hypertension
go:platelet_activation	0.006878	37 Hypertension
reactome:REACT_798	0.006878	37 Hypertension
go:blood_coagulation	0.009588	99 Hypertension
biogrid:biogrid:481827	0.010764	13 Hypertension
biogrid:biogrid:481828	0.010764	13 Hypertension
biogrid:biogrid:481831	0.010764	13 Hypertension
biogrid:biogrid:483771	0.010764	13 Hypertension
biogrid:biogrid:483772	0.010764	13 Hypertension
biogrid:biogrid:906563	0.012609	33 Hypertension
biogrid:biogrid:906721	0.012609	33 Hypertension

biogrid:biogrid:914827	0.012609	33 Hypertension
pfam:Protein_Family_FAM117	0.012609	33 Hypertension
go:platelet_degranulation	0.013652	36 Hypertension
reactome:REACT_1280	0.013652	36 Hypertension
reactome:REACT_318	0.013652	36 Hypertension
reactome:REACT_unknown_1765	0.013652	36 Hypertension
kegg:Rheumatoid_arthritis	0.013957	6 Hypertension
go:cellular_iron_ion_homeostasis	0.017339	41 Hypertension
biogrid:biogrid:561037	0.017431	5 Hypertension
biogrid:biogrid:673509	0.017431	5 Hypertension
biogrid:biogrid:720484	0.017431	5 Hypertension
biogrid:biogrid:737342	0.017431	5 Hypertension
biogrid:biogrid:749128	0.017431	5 Hypertension
biogrid:biogrid:809380	0.017431	5 Hypertension
biogrid:biogrid:934535	0.017431	5 Hypertension
biogrid:biogrid:934662	0.017431	5 Hypertension
biogrid:biogrid:934789	0.017431	5 Hypertension
biogrid:biogrid:950375	0.017431	5 Hypertension
go:cilium_assembly	0.017431	5 Hypertension
go:insulin_receptor_signaling_pathway	0.017431	5 Hypertension
go:IRE1-mediated_unfolded_protein_response	0.017431	5 Hypertension
go:phagocytic_vesicle_membrane	0.017431	5 Hypertension
go:transferrin_transport	0.017431	5 Hypertension
go:vacuolar_proton-transporting_V-type_ATPase_complex	0.017431	5 Hypertension
kegg:Collecting_duct_acid_secretion	0.017431	5 Hypertension
kegg:Synaptic_vesicle_cycle	0.017431	5 Hypertension
kegg:Vibrio_cholerae_infection	0.017431	5 Hypertension
mint:mint:MINT-2865933	0.017431	5 Hypertension
pfam:ATP_synthase_(C/AC39)_subunit	0.017431	5 Hypertension
reactome:REACT_1109	0.017431	5 Hypertension
reactome:REACT_18273	0.017431	5 Hypertension
reactome:REACT_18368	0.017431	5 Hypertension
reactome:REACT_25283	0.017431	5 Hypertension
reactome:REACT_498	0.017431	5 Hypertension
reactome:REACT_25060	0.018011	38 Hypertension
reactome:REACT_604	0.01841	54 Hypertension
pfam:short_chain_dehydrogenase	0.019619	24 Hypertension
go:endoplasmic_reticulum_unfolded_protein_response	0.021006	8 Hypertension
reactome:REACT_18356	0.021006	8 Hypertension
go:flavonoid_metabolic_process	0.021573	12 Hypertension
go:interaction_with_host	0.023009	6 Hypertension
go:phagosome_maturation	0.023009	6 Hypertension
kegg:Phagosome	0.023009	6 Hypertension
reactome:REACT_121237	0.023009	6 Hypertension
reactome:REACT_121256	0.023009	6 Hypertension

kegg:Aldosterone-regulated_sodium_reabsorption	0.024033	63 Hypertension
go:lysosomal_membrane	0.025308	13 Hypertension
biogrid:biogrid:29155	0.025812	19 Hypertension
biogrid:biogrid:846459	0.025812	19 Hypertension
biogrid:biogrid:870284	0.025812	19 Hypertension
biogrid:biogrid:870286	0.025812	19 Hypertension
go:G-protein_coupled_peptide_receptor_activity	0.025812	19 Hypertension
go:guanylate_cyclase_activity	0.025812	19 Hypertension
go:hormone_binding	0.025812	19 Hypertension
go:natriuretic_peptide_receptor_activity	0.025812	19 Hypertension
mint:mint:MINT-61913	0.025812	19 Hypertension
pfam:Adenylate_and_Guanylate_cyclase_catalytic_domain	0.025812	19 Hypertension
pfam:Receptor_family_ligand_binding_region	0.025812	19 Hypertension
kegg:Oxidative_phosphorylation	0.026979	8 Hypertension
netpath:IL6	0.02866	66 Hypertension
kegg:Tuberculosis	0.029646	58 Hypertension
reactome:REACT_355497	0.031731	10 Hypertension
biogrid:biogrid:623483	0.032982	5 Hypertension
biogrid:biogrid:746649	0.032982	5 Hypertension
biogrid:biogrid:747194	0.032982	5 Hypertension
biogrid:biogrid:747274	0.032982	5 Hypertension
biogrid:biogrid:747357	0.032982	5 Hypertension
biogrid:biogrid:748545	0.032982	5 Hypertension
biogrid:biogrid:748632	0.032982	5 Hypertension
biogrid:biogrid:748795	0.032982	5 Hypertension
biogrid:biogrid:748948	0.032982	5 Hypertension
biogrid:biogrid:749025	0.032982	5 Hypertension
biogrid:biogrid:749134	0.032982	5 Hypertension
biogrid:biogrid:749135	0.032982	5 Hypertension
biogrid:biogrid:749334	0.032982	5 Hypertension
biogrid:biogrid:749354	0.032982	5 Hypertension
biogrid:biogrid:749823	0.032982	5 Hypertension
biogrid:biogrid:749825	0.032982	5 Hypertension
biogrid:biogrid:749906	0.032982	5 Hypertension
biogrid:biogrid:750557	0.032982	5 Hypertension
biogrid:biogrid:750653	0.032982	5 Hypertension
biogrid:biogrid:750825	0.032982	5 Hypertension
biogrid:biogrid:751150	0.032982	5 Hypertension
biogrid:biogrid:751156	0.032982	5 Hypertension
biogrid:biogrid:751158	0.032982	5 Hypertension
biogrid:biogrid:751160	0.032982	5 Hypertension
biogrid:biogrid:751235	0.032982	5 Hypertension
biogrid:biogrid:751252	0.032982	5 Hypertension

biogrid:biogrid:751253	0.032982	5 Hypertension
biogrid:biogrid:751341	0.032982	5 Hypertension
biogrid:biogrid:751433	0.032982	5 Hypertension
biogrid:biogrid:751985	0.032982	5 Hypertension
biogrid:biogrid:752019	0.032982	5 Hypertension
biogrid:biogrid:752151	0.032982	5 Hypertension
biogrid:biogrid:752158	0.032982	5 Hypertension
biogrid:biogrid:753111	0.032982	5 Hypertension
biogrid:biogrid:754428	0.032982	5 Hypertension
biogrid:biogrid:870285	0.036213	28 Hypertension
go:cGMP_biosynthetic_process	0.036213	28 Hypertension
go:negative_regulation_of_angiogenesis	0.036213	28 Hypertension
go:positive_regulation_of_renal_sodium_excretion	0.036213	28 Hypertension
go:positive_regulation_of_urine_volume	0.036213	28 Hypertension
go:receptor_guanylyl_cyclase_signaling_pathway	0.036213	28 Hypertension
go:regulation_of_vascular_permeability	0.036213	28 Hypertension
go:oxidoreductase_activity_acting_on_paired_donors_with_incorporation_or_reduction_of_molecular_oxygen_NAD(P)H_as_one_donor_and_incorporation_of_one_atom_of_oxygen	0.038554	109 Hypertension
go:negative_regulation_of_cell_growth	0.040279	46 Hypertension
biogrid:biogrid:1066834	0.043188	71 Hypertension
biogrid:biogrid:1066845	0.043188	71 Hypertension
biogrid:biogrid:1066925	0.043188	71 Hypertension
biogrid:biogrid:559900	0.043188	71 Hypertension
biogrid:biogrid:601377	0.043188	71 Hypertension
biogrid:biogrid:607870	0.043188	71 Hypertension
biogrid:biogrid:643883	0.043188	71 Hypertension
biogrid:biogrid:733895	0.043188	71 Hypertension
biogrid:biogrid:831166	0.043188	71 Hypertension
biogrid:biogrid:831168	0.043188	71 Hypertension
biogrid:biogrid:831170	0.043188	71 Hypertension
biogrid:biogrid:894043	0.043188	71 Hypertension
go:cellular_organofluorine_metabolic_process	0.043188	71 Hypertension
go:NADPH-hemoprotein_reductase_activity	0.043188	71 Hypertension
go:positive_regulation_of_monooxygenase_activity	0.043188	71 Hypertension
mint:mint:MINT-51099	0.043188	71 Hypertension
mint:mint:MINT-63487	0.043188	71 Hypertension
mint:mint:MINT-8267830	0.043188	71 Hypertension
pfam:FAD_binding_domain	0.043188	71 Hypertension
pfam:Flavodoxin	0.043188	71 Hypertension

pfam:Oxidoreductase_NAD-binding_domain	0.043188	71 Hypertension
biogrid:biogrid:906563	0.007463	31 Hypothyroidism
biogrid:biogrid:906721	0.007463	31 Hypothyroidism
biogrid:biogrid:914827	0.007463	31 Hypothyroidism
pfam:Protein_Family_FAM117	0.007463	31 Hypothyroidism
biogrid:biogrid:625721	0.00968	7 Hypothyroidism
go:polysaccharide_metabolic_process	0.00968	7 Hypothyroidism
go:vitamin_K_metabolic_process	0.010101	25 Hypothyroidism
biogrid:biogrid:817635	0.011745	29 Hypothyroidism
reactome:REACT_268491	0.013796	21 Hypothyroidism
go:response_to_ethanol	0.015122	7 Hypothyroidism
biogrid:biogrid:809629	0.017185	13 Hypothyroidism
biogrid:biogrid:824781	0.017185	13 Hypothyroidism
mint:mint:MINT-64803	0.017185	13 Hypothyroidism
pfam:TMPIT-like_protein	0.017185	13 Hypothyroidism
pfam:gag-polyprotein_ putative_aspartyl_protease	0.021038	5 Hypothyroidism
pfam:Retrotransposon_gag_protein	0.021038	5 Hypothyroidism
biogrid:biogrid:1037996	0.023394	16 Hypothyroidism
biogrid:biogrid:609620	0.023394	16 Hypothyroidism
biogrid:biogrid:750253	0.023394	16 Hypothyroidism
biogrid:biogrid:951317	0.023394	16 Hypothyroidism
go:dihydropyrimidine_ dehydrogenase_(NADP+)_activity	0.023394	16 Hypothyroidism
go:purine_nucleobase_catabolic_process	0.023394	16 Hypothyroidism
go:pyrimidine_ nucleobase_catabolic_process	0.023394	16 Hypothyroidism
go:pyrimidine_ nucleoside_catabolic_process	0.023394	16 Hypothyroidism
go:thymidine_catabolic_process	0.023394	16 Hypothyroidism
go:thymine_catabolic_process	0.023394	16 Hypothyroidism
go:uracil_catabolic_process	0.023394	16 Hypothyroidism
kegg:Pantothenate_and_CoA_biosynthesis	0.023394	16 Hypothyroidism
pfam:4Fe-4S_dicluster_domain	0.023394	16 Hypothyroidism
pfam:Dihydroorotate_dehydrogenase	0.023394	16 Hypothyroidism
pfam:Dihydropyrimidine_ dehydrogenase_domain_II__4Fe-4S_cluster	0.023394	16 Hypothyroidism
pfam:NAD(P)- binding_Rossmann-like_domain	0.023394	16 Hypothyroidism
reactome:REACT_1023	0.023394	16 Hypothyroidism
reactome:REACT_13523	0.023632	43 Hypothyroidism
biogrid:biogrid:1031712	0.024386	8 Hypothyroidism
biogrid:biogrid:1038889	0.024386	8 Hypothyroidism
biogrid:biogrid:1038890	0.024386	8 Hypothyroidism
biogrid:biogrid:1038891	0.024386	8 Hypothyroidism
biogrid:biogrid:1038892	0.024386	8 Hypothyroidism
biogrid:biogrid:1038893	0.024386	8 Hypothyroidism

biogrid:biogrid:1038894	0.024386	8 Hypothyroidism
biogrid:biogrid:1057721	0.024386	8 Hypothyroidism
biogrid:biogrid:244393	0.024386	8 Hypothyroidism
biogrid:biogrid:261584	0.024386	8 Hypothyroidism
biogrid:biogrid:270387	0.024386	8 Hypothyroidism
biogrid:biogrid:271126	0.024386	8 Hypothyroidism
biogrid:biogrid:314883	0.024386	8 Hypothyroidism
biogrid:biogrid:558455	0.024386	8 Hypothyroidism
biogrid:biogrid:618504	0.024386	8 Hypothyroidism
biogrid:biogrid:632150	0.024386	8 Hypothyroidism
biogrid:biogrid:667734	0.024386	8 Hypothyroidism
biogrid:biogrid:678173	0.024386	8 Hypothyroidism
biogrid:biogrid:687098	0.024386	8 Hypothyroidism
biogrid:biogrid:688093	0.024386	8 Hypothyroidism
biogrid:biogrid:688507	0.024386	8 Hypothyroidism
biogrid:biogrid:689514	0.024386	8 Hypothyroidism
biogrid:biogrid:719822	0.024386	8 Hypothyroidism
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biogrid:biogrid:753085	0.024386	8 Hypothyroidism
biogrid:biogrid:809430	0.024386	8 Hypothyroidism
biogrid:biogrid:826510	0.024386	8 Hypothyroidism
biogrid:biogrid:826666	0.024386	8 Hypothyroidism
biogrid:biogrid:831216	0.024386	8 Hypothyroidism
biogrid:biogrid:835515	0.024386	8 Hypothyroidism
biogrid:biogrid:837191	0.024386	8 Hypothyroidism
biogrid:biogrid:894703	0.024386	8 Hypothyroidism
biogrid:biogrid:940200	0.024386	8 Hypothyroidism
go:cellular_response_ to_lipopolysaccharide	0.024386	8 Hypothyroidism
go:common_myeloid_ progenitor_cell_proliferation	0.024386	8 Hypothyroidism
go:dinitrosyl-iron_complex_binding	0.024386	8 Hypothyroidism
go:JUN_kinase_binding	0.024386	8 Hypothyroidism
go:kinase_regulator_activity	0.024386	8 Hypothyroidism
go:negative_regulation_of_ acute_inflammatory_response	0.024386	8 Hypothyroidism
go:negative_regulation_of_ biosynthetic_process	0.024386	8 Hypothyroidism
go:negative_regulation_of_ ERK1_and_ERK2_cascade	0.024386	8 Hypothyroidism
go:negative_regulation_of_ extrinsic_apoptotic_signaling_pathway	0.024386	8 Hypothyroidism
go:negative_regulation_of_ fibroblast_proliferation	0.024386	8 Hypothyroidism

go:negative_regulation_of_interleukin-1_beta_production	0.024386	8 Hypothyroidism
go:negative_regulation_of_JUN_kinase_activity	0.024386	8 Hypothyroidism
go:negative_regulation_of_leukocyte_proliferation	0.024386	8 Hypothyroidism
go:negative_regulation_of_MAPK_cascade	0.024386	8 Hypothyroidism
go:negative_regulation_of_MAP_kinase_activity	0.024386	8 Hypothyroidism
go:negative_regulation_of_monocyte_chemotactic_protein-1_production	0.024386	8 Hypothyroidism
go:negative_regulation_of_nitric-oxide_synthase_biosynthetic_process	0.024386	8 Hypothyroidism
go:negative_regulation_of_protein_kinase_activity	0.024386	8 Hypothyroidism
go:negative_regulation_of_stress-activated_MAPK_cascade	0.024386	8 Hypothyroidism
go:nitric_oxide_binding	0.024386	8 Hypothyroidism
go:nitric_oxide_storage	0.024386	8 Hypothyroidism
go:positive_regulation_of_superoxide_anion_generation	0.024386	8 Hypothyroidism
go:regulation_of_ERK1_and_ERK2_cascade	0.024386	8 Hypothyroidism
go:regulation_of_stress-activated_MAPK_cascade	0.024386	8 Hypothyroidism
go:S-nitrosoglutathione_binding	0.024386	8 Hypothyroidism
go:TRAF2-GSTP1_complex	0.024386	8 Hypothyroidism
mint:mint:MINT-63445	0.024386	8 Hypothyroidism
mint:mint:MINT-63446	0.024386	8 Hypothyroidism
go:vesicle	0.024771	24 Hypothyroidism
reactome:REACT_13450	0.024854	45 Hypothyroidism
biogrid:biogrid:809411	0.027052	16 Hypothyroidism
biogrid:biogrid:817562	0.027052	16 Hypothyroidism
biogrid:biogrid:817563	0.027052	16 Hypothyroidism
biogrid:biogrid:817564	0.027052	16 Hypothyroidism
biogrid:biogrid:817566	0.027052	16 Hypothyroidism
biogrid:biogrid:817567	0.027052	16 Hypothyroidism
biogrid:biogrid:817568	0.027052	16 Hypothyroidism
biogrid:biogrid:817569	0.027052	16 Hypothyroidism
biogrid:biogrid:817570	0.027052	16 Hypothyroidism
biogrid:biogrid:817571	0.027052	16 Hypothyroidism
biogrid:biogrid:817572	0.027052	16 Hypothyroidism
biogrid:biogrid:817573	0.027052	16 Hypothyroidism
biogrid:biogrid:817574	0.027052	16 Hypothyroidism
biogrid:biogrid:817575	0.027052	16 Hypothyroidism
biogrid:biogrid:817576	0.027052	16 Hypothyroidism
biogrid:biogrid:817577	0.027052	16 Hypothyroidism

biogrid:biogrid:817627	0.027052	16 Hypothyroidism
biogrid:biogrid:817628	0.027052	16 Hypothyroidism
biogrid:biogrid:817629	0.027052	16 Hypothyroidism
biogrid:biogrid:817630	0.027052	16 Hypothyroidism
biogrid:biogrid:817631	0.027052	16 Hypothyroidism
biogrid:biogrid:817632	0.027052	16 Hypothyroidism
biogrid:biogrid:817633	0.027052	16 Hypothyroidism
biogrid:biogrid:817634	0.027052	16 Hypothyroidism
biogrid:biogrid:817636	0.027052	16 Hypothyroidism
biogrid:biogrid:817637	0.027052	16 Hypothyroidism
biogrid:biogrid:817638	0.027052	16 Hypothyroidism
biogrid:biogrid:817639	0.027052	16 Hypothyroidism
biogrid:biogrid:817640	0.027052	16 Hypothyroidism
biogrid:biogrid:817641	0.027052	16 Hypothyroidism
biogrid:biogrid:817643	0.027052	16 Hypothyroidism
biogrid:biogrid:817645	0.027052	16 Hypothyroidism
biogrid:biogrid:941402	0.027052	16 Hypothyroidism
biogrid:biogrid:943918	0.027052	16 Hypothyroidism
go:bone_development	0.027052	16 Hypothyroidism
go:peptidyl-glutamic_acid_carboxylation	0.027052	16 Hypothyroidism
mint:mint:MINT-8171260	0.027052	16 Hypothyroidism
pfam:Vitamin_K_epoxide_reductase_family	0.027052	16 Hypothyroidism
reactome:REACT_1132	0.027052	16 Hypothyroidism
biogrid:biogrid:2006	0.030524	11 Hypothyroidism
biogrid:biogrid:282802	0.030524	11 Hypothyroidism
biogrid:biogrid:282807	0.030524	11 Hypothyroidism
biogrid:biogrid:715396	0.030524	11 Hypothyroidism
biogrid:biogrid:715399	0.030524	11 Hypothyroidism
biogrid:biogrid:835955	0.030524	11 Hypothyroidism
biogrid:biogrid:857490	0.030524	11 Hypothyroidism
biogrid:biogrid:905131	0.030524	11 Hypothyroidism
biogrid:biogrid:905136	0.030524	11 Hypothyroidism
go:adenylate_cyclase-activating_		
adrenergic_receptor_signaling_pathway	0.030524	11 Hypothyroidism
go:alpha-2A_adrenergic_receptor_binding	0.030524	11 Hypothyroidism
go:beta-adrenergic_receptor_activity	0.030524	11 Hypothyroidism
go:positive_regulation_of_		
cAMP-mediated_signaling	0.030524	11 Hypothyroidism
go:Ras_guanyl-nucleotide_		
exchange_factor_activity	0.030524	11 Hypothyroidism
go:receptor_signaling_protein_activity	0.030524	11 Hypothyroidism
mint:mint:MINT-58357	0.030524	11 Hypothyroidism
mint:mint:MINT-58358	0.030524	11 Hypothyroidism
mint:mint:MINT-58359	0.030524	11 Hypothyroidism
mint:mint:MINT-58360	0.030524	11 Hypothyroidism
mint:mint:MINT-58361	0.030524	11 Hypothyroidism

go:negative_regulation_of_tumor_necrosis_factor_production	0.031017	11 Hypothyroidism
biogrid:biogrid:1037442	0.032255	8 Hypothyroidism
biogrid:biogrid:1037443	0.032255	8 Hypothyroidism
biogrid:biogrid:1037444	0.032255	8 Hypothyroidism
biogrid:biogrid:1037445	0.032255	8 Hypothyroidism
biogrid:biogrid:1037446	0.032255	8 Hypothyroidism
biogrid:biogrid:1037447	0.032255	8 Hypothyroidism
biogrid:biogrid:1037448	0.032255	8 Hypothyroidism
biogrid:biogrid:1037449	0.032255	8 Hypothyroidism
biogrid:biogrid:609562	0.032255	8 Hypothyroidism
biogrid:biogrid:749396	0.032255	8 Hypothyroidism
go:cytidine_deaminase_activity	0.032255	8 Hypothyroidism
go:cytidine_deamination	0.032255	8 Hypothyroidism
go:cytosine_metabolic_process	0.032255	8 Hypothyroidism
go:negative_regulation_of_nucleotide_metabolic_process	0.032255	8 Hypothyroidism
go:nucleoside_binding	0.032255	8 Hypothyroidism
go:pyrimidine-containing_compound_salvage	0.032255	8 Hypothyroidism
pfam:Cytidine_and_deoxycytidylate_deaminase_zinc-binding_region	0.032255	8 Hypothyroidism
go:neurotransmitter_secretion	0.035038	56 Hypothyroidism
biogrid:biogrid:817604	0.035565	18 Hypothyroidism
go:neuron_projection	0.037679	7 Hypothyroidism
biogrid:biogrid:442570	0.038862	19 Hypothyroidism
biogrid:biogrid:626632	0.038862	19 Hypothyroidism
biogrid:biogrid:632516	0.038862	19 Hypothyroidism
reactome:REACT_267863	0.038862	19 Hypothyroidism
biogrid:biogrid:1053841	0.039705	9 Hypothyroidism
biogrid:biogrid:1057600	0.039705	9 Hypothyroidism
biogrid:biogrid:242742	0.039705	9 Hypothyroidism
biogrid:biogrid:446010	0.039705	9 Hypothyroidism
biogrid:biogrid:446104	0.039705	9 Hypothyroidism
biogrid:biogrid:446439	0.039705	9 Hypothyroidism
biogrid:biogrid:446595	0.039705	9 Hypothyroidism
biogrid:biogrid:604735	0.039705	9 Hypothyroidism
biogrid:biogrid:632272	0.039705	9 Hypothyroidism
biogrid:biogrid:689055	0.039705	9 Hypothyroidism
biogrid:biogrid:689362	0.039705	9 Hypothyroidism
biogrid:biogrid:904077	0.039705	9 Hypothyroidism
biogrid:biogrid:906253	0.039705	9 Hypothyroidism
biogrid:biogrid:937629	0.039705	9 Hypothyroidism
go:oxidoreductase_activity_acting_on_NAD(P)H__quinone_or_similar_compound_as_acceptor	0.039705	9 Hypothyroidism
mint:mint:MINT-63481	0.039705	9 Hypothyroidism
go:extracellular_matrix_organization	0.040285	7 Hypothyroidism
reactome:REACT_1069	0.041053	24 Hypothyroidism

go:response_to_reactive_oxygen_species	0.041978	31 Hypothyroidism
reactome:REACT_264249	0.041978	31 Hypothyroidism
go:aldehyde_oxidase_activity	0.042216	7 Hypothyroidism
go:post-translational_protein_modification	0.042883	25 Hypothyroidism
reactome:REACT_22161	0.042883	25 Hypothyroidism
biogrid:biogrid:817601	0.043563	23 Hypothyroidism
reactome:REACT_15391	0.043684	21 Hypothyroidism
reactome:REACT_15532	0.043684	21 Hypothyroidism
kegg:Steroid_biosynthesis	0.043967	50 Hypothyroidism
kegg:Primary_bile_acid_biosynthesis	0.044718	28 Hypothyroidism
biogrid:biogrid:478465	0.047196	10 Hypothyroidism
biogrid:biogrid:478466	0.047196	10 Hypothyroidism
pfam:SEA_domain	0.047891	6 Hypothyroidism
pfam:Sodium_Bile_acid_symporter_family	0.049606	17 Hypothyroidism
biogrid:biogrid:664197	0.007722	52 Type II Diabetes
biogrid:biogrid:1030343	0.007722	52 Type II Diabetes
biogrid:biogrid:892786	0.007722	52 Type II Diabetes
mint:mint:MINT-24751	0.007722	52 Type II Diabetes
go:neurotrophin_TRKB_receptor_binding	0.007722	52 Type II Diabetes
biogrid:biogrid:892868	0.007722	52 Type II Diabetes
biogrid:biogrid:894020	0.007722	52 Type II Diabetes
biogrid:biogrid:893410	0.007722	52 Type II Diabetes
biogrid:biogrid:739742	0.007722	52 Type II Diabetes
pfam:Nerve_growth_factor_family	0.007722	52 Type II Diabetes
go:regulation_of_neuron_differentiation	0.007722	52 Type II Diabetes
go:positive_regulation_of_synapse_assembly	0.007722	52 Type II Diabetes
reactome:REACT_150420	0.010564	126 Type II Diabetes
go:nervous_system_development	0.011894	62 Type II Diabetes
pfam:Organic_Anion_Transporter_Polypeptide_(OATP)_family	0.014508	241 Type II Diabetes
biogrid:biogrid:833263	0.014767	97 Type II Diabetes
biogrid:biogrid:305778	0.014767	97 Type II Diabetes
go:leukotriene_metabolic_process	0.017357	91 Type II Diabetes
netpath:IL5	0.018362	58 Type II Diabetes
go:oxidative_deethylation	0.018451	26 Type II Diabetes
go:demethylase_activity	0.018451	26 Type II Diabetes
biogrid:biogrid:838618	0.018451	26 Type II Diabetes
reactome:REACT_13721	0.018451	26 Type II Diabetes
go:toxin_biosynthetic_process	0.018451	26 Type II Diabetes
go:steroid_catabolic_process	0.019027	60 Type II Diabetes
reactome:REACT_23988	0.019144	231 Type II Diabetes
go:neuron_projection_morphogenesis	0.019579	54 Type II Diabetes
go:organic_anion_transmembrane_transporter_activity	0.020338	221 Type II Diabetes
go:cytoplasmic_membrane-bounded_vesicle	0.020674	74 Type II Diabetes
go:sodium-independent_organic_anion_transport	0.021034	246 Type II Diabetes

go:electron_carrier_activity	0.024277	38 Type II Diabetes
pfam:SEA_domain	0.024391	6 Type II Diabetes
reactome:REACT_19118	0.02451	655 Type II Diabetes
go:monocarboxylic_acid_metabolic_process	0.026173	45 Type II Diabetes
reactome:REACT_18334	0.028319	229 Type II Diabetes
biogrid:biogrid:824781	0.028565	13 Type II Diabetes
pfam:TMPIT-like_protein	0.028565	13 Type II Diabetes
mint:mint:MINT-64803	0.028565	13 Type II Diabetes
biogrid:biogrid:809629	0.028565	13 Type II Diabetes
go:voltage-gated_calcium_channel_complex	0.028728	228 Type II Diabetes
reactome:REACT_18312	0.028728	228 Type II Diabetes
go:calcium_ion_import	0.028728	228 Type II Diabetes
go:high_voltage-gated_calcium_channel_activity	0.028728	228 Type II Diabetes
kegg:Huntington's_disease	0.028738	63 Type II Diabetes
pfam:SAM_domain_(Sterile_alpha_motif)	0.029203	7 Type II Diabetes
reactome:REACT_22285	0.03049	305 Type II Diabetes
biogrid:biogrid:738466	0.031799	93 Type II Diabetes
go:estrogen_catabolic_process	0.032254	5 Type II Diabetes
biogrid:biogrid:894166	0.032254	5 Type II Diabetes
kegg:Vascular_smooth_muscle_contraction	0.032861	203 Type II Diabetes
netpath:FSH	0.033506	223 Type II Diabetes
go:proton_transport	0.035114	72 Type II Diabetes
go:iron_ion_binding	0.035168	62 Type II Diabetes
go:protein_sulfation	0.037174	11 Type II Diabetes
reactome:REACT_18339	0.038845	177 Type II Diabetes
go:caffeine_oxidase_activity	0.039335	85 Type II Diabetes
reactome:REACT_268561	0.03997	28 Type II Diabetes
biogrid:biogrid:317012	0.040343	28 Type II Diabetes
go:nuclear_matrix	0.040343	28 Type II Diabetes
reactome:REACT_150209	0.040343	28 Type II Diabetes
biogrid:biogrid:1036829	0.040343	28 Type II Diabetes
biogrid:biogrid:283096	0.040343	28 Type II Diabetes
biogrid:biogrid:304063	0.040343	28 Type II Diabetes
biogrid:biogrid:818890	0.040343	28 Type II Diabetes
biogrid:biogrid:903970	0.040343	28 Type II Diabetes
biogrid:biogrid:1036830	0.040343	28 Type II Diabetes
biogrid:biogrid:914388	0.040343	28 Type II Diabetes
biogrid:biogrid:739796	0.040343	28 Type II Diabetes
go:arachidonate_5-lipoxygenase_activity	0.040343	28 Type II Diabetes
biogrid:biogrid:1036833	0.040343	28 Type II Diabetes
biogrid:biogrid:1036831	0.040343	28 Type II Diabetes
biogrid:biogrid:1036835	0.040343	28 Type II Diabetes
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biogrid:biogrid:818887	0.040343	28 Type II Diabetes
go:nuclear_envelope_lumen	0.040343	28 Type II Diabetes
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biogrid:biogrid:914389	0.040343	28 Type II Diabetes

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biogrid:biogrid:1036832	0.040343	28 Type II Diabetes
biogrid:biogrid:9397	0.040343	28 Type II Diabetes
biogrid:biogrid:1036836	0.040343	28 Type II Diabetes
go:leukotriene_biosynthetic_process	0.040343	28 Type II Diabetes
biogrid:biogrid:904084	0.040343	28 Type II Diabetes
go:sodium-independent_organic_anion_transmembrane_transporter_activity	0.040864	131 Type II Diabetes
kegg:cGMP-PKG_signaling_pathway	0.041183	226 Type II Diabetes
go:lipoxygenase_pathway	0.041756	29 Type II Diabetes
pfam:PLAT/LH2_domain	0.041756	29 Type II Diabetes
reactome:REACT_150320	0.041756	29 Type II Diabetes
go:lipoxin_metabolic_process	0.041756	29 Type II Diabetes
pfam:Lipoxygenase	0.041756	29 Type II Diabetes
go:extracellular_region	0.041968	211 Type II Diabetes
reactome:REACT_18325	0.043076	189 Type II Diabetes
reactome:REACT_1505	0.043076	189 Type II Diabetes
go:brush_border_membrane	0.04377	19 Type II Diabetes
kegg:cAMP_signaling_pathway	0.043788	477 Type II Diabetes
kegg:Alzheimer's_disease	0.04532	176 Type II Diabetes
kegg:Cholinergic_synapse	0.04532	176 Type II Diabetes
pfam:Voltage_gated_calcium_channel_IQ_domain	0.04532	176 Type II Diabetes
kegg:GABAergic_synapse	0.045697	177 Type II Diabetes
kegg:Retrograde_endocannabinoid_signaling	0.046574	178 Type II Diabetes
biogrid:biogrid:121107	0.049204	21 Type II Diabetes
mint:mint:MINT-67530	0.049204	21 Type II Diabetes
reactome:REACT_6258	0.049739	11 Type II Diabetes
go:respiratory_electron_transport_chain	0.049739	11 Type II Diabetes
reactome:REACT_6341	0.049739	11 Type II Diabetes
reactome:REACT_6305	0.049739	11 Type II Diabetes
reactome:REACT_6196	0.049739	11 Type II Diabetes
pfam:Mitochondrial_carrier_protein	0.049739	11 Type II Diabetes
biogrid:biogrid:1031876	4.38E-05	6 Uterine Fibroids
biogrid:biogrid:336699	4.38E-05	6 Uterine Fibroids
reactome:REACT_150417	0.000394	130 Uterine Fibroids
kegg:Linoleic_acid_metabolism	0.000477	140 Uterine Fibroids
go:omega-hydroxylase_P450_pathway	0.000529	136 Uterine Fibroids
reactome:REACT_150134	0.000529	136 Uterine Fibroids
reactome:REACT_20506	0.00161	118 Uterine Fibroids
reactome:REACT_unknown_1749	0.00161	118 Uterine Fibroids
reactome:REACT_19305	0.001876	275 Uterine Fibroids
reactome:REACT_22345	0.002539	137 Uterine Fibroids
biogrid:biogrid:740138	0.003746	22 Uterine Fibroids
biogrid:biogrid:740214	0.003746	22 Uterine Fibroids
biogrid:biogrid:740238	0.003746	22 Uterine Fibroids
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biogrid:biogrid:892323	0.003746	22 Uterine Fibroids
biogrid:biogrid:892324	0.003746	22 Uterine Fibroids
go:cellular_amide_metabolic_process	0.003746	22 Uterine Fibroids
go:urea_metabolic_process	0.003746	22 Uterine Fibroids
pfam:Sugar_(and_other)_transporter	0.005111	130 Uterine Fibroids
biogrid:biogrid:259490	0.006744	48 Uterine Fibroids
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go:ammonium_t		
ransmembrane_transport	0.006744	48 Uterine Fibroids
go:cation_transmembrane_transport	0.006744	48 Uterine Fibroids
go:dopamine_transmembrane_		
transporter_activity	0.006744	48 Uterine Fibroids
go:dopamine_transport	0.006744	48 Uterine Fibroids
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mint:mint:MINT-73294	0.006744	48 Uterine Fibroids
mint:mint:MINT-8055798	0.006744	48 Uterine Fibroids
go:monoterpenoid_metabolic_process	0.006797	192 Uterine Fibroids
reactome:REACT_13723	0.007437	84 Uterine Fibroids
go:neuronal_cell_body	0.01007	51 Uterine Fibroids
go:epoxygenase_P450_pathway	0.011262	275 Uterine Fibroids
reactome:REACT_15418	0.01173	81 Uterine Fibroids
biogrid:biogrid:305775	0.012949	104 Uterine Fibroids
reactome:REACT_147851	0.014643	396 Uterine Fibroids
biogrid:biogrid:894519	0.014799	58 Uterine Fibroids
go:heme_catabolic_process	0.014799	58 Uterine Fibroids
reactome:REACT_22297	0.014799	58 Uterine Fibroids
reactome:REACT_268618	0.014799	58 Uterine Fibroids

kegg:Arachidonic_acid_metabolism	0.015632	342 Uterine Fibroids
biogrid:biogrid:1033905	0.01565	44 Uterine Fibroids
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go:glucocorticoid-activated_RNA_polymerase_II_transcription_factor_binding_transcription_factor_activity	0.01565	44 Uterine Fibroids
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go:steroid_hormone_binding	0.01565	44 Uterine Fibroids
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mint:mint:MINT-14116	0.01565	44 Uterine Fibroids
mint:mint:MINT-2737273	0.01565	44 Uterine Fibroids
mint:mint:MINT-3373902	0.01565	44 Uterine Fibroids
mint:mint:MINT-3373920	0.01565	44 Uterine Fibroids
mint:mint:MINT-3373935	0.01565	44 Uterine Fibroids
mint:mint:MINT-3373954	0.01565	44 Uterine Fibroids
mint:mint:MINT-3373972	0.01565	44 Uterine Fibroids
mint:mint:MINT-3374054	0.01565	44 Uterine Fibroids
mint:mint:MINT-3374072	0.01565	44 Uterine Fibroids
mint:mint:MINT-3374091	0.01565	44 Uterine Fibroids
mint:mint:MINT-5210024	0.01565	44 Uterine Fibroids
mint:mint:MINT-6771456	0.01565	44 Uterine Fibroids
mint:mint:MINT-8258368	0.01565	44 Uterine Fibroids
mint:mint:MINT-8264083	0.01565	44 Uterine Fibroids
mint:mint:MINT-8265169	0.01565	44 Uterine Fibroids
pfam:Glucocorticoid_receptor	0.01565	44 Uterine Fibroids
kegg:Choline_metabolism_in_cancer	0.015889	157 Uterine Fibroids
reactome:REACT_22310	0.015966	41 Uterine Fibroids
go:monocarboxylic_acid_metabolic_process	0.016278	48 Uterine Fibroids
reactome:REACT_22357	0.016338	96 Uterine Fibroids
biogrid:biogrid:1067424	0.016352	105 Uterine Fibroids
biogrid:biogrid:618500	0.016369	11 Uterine Fibroids
biogrid:biogrid:824769	0.016369	11 Uterine Fibroids
biogrid:biogrid:876362	0.016369	11 Uterine Fibroids
go:glutathione_peroxidase_activity	0.016369	11 Uterine Fibroids
go:L-phenylalanine_catabolic_process	0.016369	11 Uterine Fibroids
go:maleylacetoacetate_isomerase_activity	0.016369	11 Uterine Fibroids
mint:mint:MINT-67189	0.016369	11 Uterine Fibroids
reactome:REACT_1786	0.016369	11 Uterine Fibroids
biogrid:biogrid:905780	0.017693	50 Uterine Fibroids
reactome:REACT_13583	0.01812	185 Uterine Fibroids
go:porphyrin-containing_c		
ompond_metabolic_process	0.01819	61 Uterine Fibroids
reactome:REACT_9431	0.01819	61 Uterine Fibroids
mint:mint:MINT-4789619	0.018425	83 Uterine Fibroids
mint:mint:MINT-4789636	0.018425	83 Uterine Fibroids
mint:mint:MINT-4789661	0.018425	83 Uterine Fibroids
mint:mint:MINT-4789680	0.018425	83 Uterine Fibroids
go:axon	0.018498	84 Uterine Fibroids
go:anion_transmembrane_transport	0.019803	103 Uterine Fibroids
kegg:Neuroactive_ligand-receptor_interaction	0.020071	193 Uterine Fibroids
go:heterocycle_metabolic_process	0.020217	191 Uterine Fibroids
go:drug_metabolic_process	0.021419	484 Uterine Fibroids
reactome:REACT_13477	0.023099	247 Uterine Fibroids
kegg:Amphetamine_addiction	0.023212	222 Uterine Fibroids
biogrid:biogrid:279878	0.023488	28 Uterine Fibroids
biogrid:biogrid:892291	0.023488	28 Uterine Fibroids

go:retinoic_acid_binding	0.024876	130 Uterine Fibroids
reactome:REACT_13685	0.026231	287 Uterine Fibroids
go:monoamine_transmembrane_transporter_activity	0.026783	84 Uterine Fibroids
go:monoamine_transport	0.026783	84 Uterine Fibroids
kegg:Parkinson's_disease	0.026851	111 Uterine Fibroids
go:caffeine_oxidase_activity	0.027996	88 Uterine Fibroids
go:inorganic_anion_exchanger_activity	0.028436	32 Uterine Fibroids
go:arachidonic_acid_metabolic_process	0.029996	436 Uterine Fibroids
pfam:Sodium:neurotransmitter_symporter_family	0.030874	92 Uterine Fibroids
go:enzyme_binding	0.031403	604 Uterine Fibroids
go:organic_cation_transmembrane_transporter_activity	0.031575	91 Uterine Fibroids
go:caveola	0.032963	83 Uterine Fibroids
kegg:Cocaine_addiction	0.033199	184 Uterine Fibroids
biogrid:biogrid:316204	0.035242	94 Uterine Fibroids
go:flavonoid_biosynthetic_process	0.035292	145 Uterine Fibroids
go:flavonoid_glucuronidation	0.035292	145 Uterine Fibroids
go:glucuronosyltransferase_activity	0.035292	145 Uterine Fibroids
pfam:UDP-glucuronosyl_and_UDP-glucosyl_transferase	0.035292	145 Uterine Fibroids
go:cellular_glucuronidation	0.035396	139 Uterine Fibroids
kegg:Starch_and_sucrose_metabolism	0.036629	143 Uterine Fibroids
reactome:REACT_6784	0.036629	143 Uterine Fibroids
go:transcription_from_RNA_polymerase_II_promoter	0.037356	74 Uterine Fibroids
biogrid:biogrid:681456	0.038172	5 Uterine Fibroids
biogrid:biogrid:681665	0.038172	5 Uterine Fibroids
biogrid:biogrid:681858	0.038172	5 Uterine Fibroids
biogrid:biogrid:753381	0.038172	5 Uterine Fibroids
biogrid:biogrid:893391	0.038172	5 Uterine Fibroids
go:brain_development	0.038172	5 Uterine Fibroids
go:histamine_N-methyltransferase_activity	0.038172	5 Uterine Fibroids
go:positive_regulation_of_protein_targeting_to_mitochondrion	0.038172	5 Uterine Fibroids
go:respiratory_gaseous_exchange	0.038172	5 Uterine Fibroids
pfam:Methyltransferase_domain	0.038172	5 Uterine Fibroids
go:organic_cation_transport	0.039286	98 Uterine Fibroids
go:monooxygenase_activity	0.039622	374 Uterine Fibroids
kegg:Ascorbate_and_aldarate_metabolism	0.040218	153 Uterine Fibroids
kegg:Pentose_and_glucuronate_interconversions	0.040218	153 Uterine Fibroids
go:synaptic_transmission	0.041154	342 Uterine Fibroids
biogrid:biogrid:892337	0.041341	11 Uterine Fibroids
kegg:Serotonergic_synapse	0.042894	510 Uterine Fibroids
kegg:Porphyrin_and_chlorophyll_metabolism	0.043324	146 Uterine Fibroids
biogrid:biogrid:26852	0.043845	6 Uterine Fibroids

go:cellular_homeostasis	0.043845	6 Uterine Fibroids
go:urate_transmembrane_transporter_activity	0.043845	6 Uterine Fibroids
go:neurotransmitter_secretion	0.0444	56 Uterine Fibroids
go:excretion	0.047097	89 Uterine Fibroids
go:peptide_transport	0.047495	21 Uterine Fibroids
go:mitochondrial_matrix	0.047924	81 Uterine Fibroids
go:brush_border_membrane	0.048809	19 Uterine Fibroids