

GO Term/Category	Term	Definition	Count	Chip %	group %	P-Value	Gene Symbol
GO:0051179	establishment of localization	The directed movement of a cell, substance or cellular entity, such as a protein complex or organelle, to a specific location.	24	6	31.6	0.0016	XRCC5,CYP19A1,PLAUR,CYP2C8,IL4,PON1,XPC,DPYD,ESR1,CYP2C9,COMT,GHR,FGF,CYP2E1,ALDH1A1,VWF,IL12A,NFKB1,NAT2,NEIL2,IFNG,CASP3,GSTA2,APOB,CETP,PPP2R3A
GO:0006810	transport	The directed movement of substances (such as macromolecules, small molecules, ions) into, out of, within or between cells	20	5	26.3	0.01	NEIL2,CYP19A1,ATP7B,CYP2C8,ABCB4,WNK1,DPYD,MTRR,ABCA4,CYP4F2,CYP2C18,ABCB11,CYP2C9,GHR,CYP2E1,CYP2C19,APOB,CETP,ADRB2,PPARD
GO:0006091	generation of precursor metabolites and energy	-	14	3.5	18.4	0.027	CYP19A1,NEIL2,LEP,CYP2C8,DPYD,MTRR,PPARGC1B,PPARGC1A,CYP2C18,CYP4F2,CYP2C9,CYP2E1,CYP2C19,PPARD
GO:0005624	membrane fraction	That fraction of cells, prepared by disruptive biochemical methods, that includes the plasma and other membranes.	13	3.2	17.1	0.059	CYP19A1,CYP2C8,ABCB4,ABCA4,CYP2C18,CYP4F2,ABCB11,CYP2C9,COMT,CYP2E1,CYP2C19,APOB,NRP1
GO:0005215	transporter activity	Enables the directed movement of substances (such as macromolecules, small molecules, ions) into, out of, within or between cells.	11	2.8	14.5	0.082	CYP19A1,NEIL2,ABCB11,ATP7B,PON1,ABCB4,APOB,DPYD,ALDH1A1,MTRR,ABCA4
GO:0006118	electron transport	The transport of electrons from an electron donor to an electron acceptor.	10	2.5	13.2	0.094	CYP19A1,CYP2C18,NEIL2,CYP4F2,CYP2C9,CYP2C8,CYP2E1,CYP2C19,DPYD,MTRR
GO:0006974	dna damage	response to DNA damage stimulus.	9	2.2	11.8	0.09	CHEK1,MMS19L,LIG1,XRCC5,ERCC6,NEIL2,DCLRE1B,XPC,PARP1
GO:0044255	cellular lipid metabolism	cellular lipid metabolism	9	2.2	11.8	0.098	CYP19A1,CYP4F2,MT,IL4,APOB,CETP,PPARD,PPARGC1B,PPARGC1A
GO:0006366	transcription from RNA polymerase II promoter	transcription from RNA polymerase II promoter	8	2	10.5	0.062	ERCC6,IL4,GLI1,PPARD,PARP1,PPARGC1B,PPARGC1A,NFKB1
GO:0006066	alcohol metabolism	alcohol metabolism	8	2	10.5	0.014	COMT,IL4,APOB,ALDH1A1,CETP,PPARD,PPARGC1B,PPARGC1A
INTERPRO_NAME	E-class P450, group I	Cytochrome P450	7	1.8	9.2	0.037	CYP19A1,CYP2C18,CYP4F2,CYP2C9,CYP2C8,CYP2E1,CYP2C19
KEGG_PATHWAY	ARACHIDONIC ACID METABOLISM	ARACHIDONIC ACID METABOLISM	6	1.5	7.9	0.012	CYP2C18,CYP4F2,CYP2C9,CYP2C8,CYP2E1,CYP2C19
SP_PIR_KEYWORDS	liver	liver	6	1.5	7.9	0.032	NAT2,CYP4F2,FGF,GHR,APOB,ALDH1A1
SP_PIR_KEYWORDS	electron transfer	electron transfer	6	1.5	7.9	0.032	CYP19A1,CYP2C18,CYP2C9,CYP2C8,CYP2E1,CYP2C19
GENETIC_ASSOCIATION_DB	PARKINSON'S DISEASE	PARKINSON'S DISEASE	6	1.5	7.9	0.057	NAT2,COMT,CYP2E1,PON1,ESR1,NFKB1
KEGG_PATHWAY	LINOLEIC ACID METABOLISM	LINOLEIC ACID METABOLISM	5	1.2	6.6	0.028	CYP2C18,CYP2C9,CYP2C8,CYP2E1,CYP2C19
GO:0006631	fatty acid metabolism	fatty acid metabolism	5	1.2	6.6	0.069	CYP4F2,MT,PPARD,PPARGC1B,PPARGC1A
BBID	17.Activators-CAM	17.Activators-CAM	3	0.8	3.9	0.051	IFNG,IL4,NFKB1
GENETIC_ASSOCIATION_DB	PROSTATE CARCINOMA	PROSTATE CARCINOMA	3	0.8	3.9	0.042	CYP19A1,COMT,ESR1
GO:0051427	nuclear hormone receptor binding	nuclear hormone receptor binding	3	0.8	3.9	0.085	PPARD,PPARGC1B,PPARGC1A
GO:0019395	fatty acid oxidation	fatty acid oxidation	3	0.8	3.9	0.085	PPARD,PPARGC1B,PPARGC1A
BBID	113.Th1andTh2cells/111.Stress_influences_immunity	-	3	0.8	3.9	0.098	IFNG,IL4,IL12A
GO:0051427	hormone receptor binding	Interacting selectively with a receptor for hormones.	3	0.8	3.9	0.085	PPARD,PPARGC1B,PPARGC1A