COMPLEX (PHOSPHOTRANSFERASE/INHIBITOR): 3

MALTODEXTRIN BINDING PROTEIN/DE NOVO PRO: 1

VIRAL PROTEIN/IMMUNE SYSTEM/INHIBITOR: 7

HISTONE: 2

PROTEIN BINDING/ENDOCYTOSIS: 1

CELLULOSE DEGRADATION: 4

TOXIN/CHAPERONE: 1

SIGNALING PROTEIN/TOXIN: 1

MEMBRANE PROTEIN/ONCOPROTEIN: 3

PENICILLIN-BINDING PROTEIN/ANTIBIOTIC: 11

TRANSFERASE(GLUTATHIONE): 6

AMINO ACID AMMONIA-LYASE: 1

CALCIUM BINDING/TRANSPORT PROTEIN: 2

BIOSYNTHETIC PROTEIN/TRANSFERASE: 7

RNA, TRANSFERASE: 2

TRANSCRIPTION RECEPTOR: 1

ISOMERASE/DNA/RNA: 1

TRANSFERASE, HYDROLASE/OXIDOREDUCTASE: 1

RIBOSOME: 271

MATRIX PROTEIN: 6

GENE REGULATION/RNA: 9

CYTOKINE/CYTOKINE RECEPTOR: 17

COMPLEX (IMMUNOGLOBULIN/PEPTIDE): 1

MEMBRANE PROTEIN/TOXIN: 5

DNA/RNA BINDING PROTEIN: 1

KRINGLE: 2

COMPLEX (HYDROLASE/CYTIDYLIC ACID): 2

DNA BINDING PROTEIN/UNKNOWN FUNCTION: 1

TRANSCRIPTION REGULATION PROTEIN: 1

BLOOD CLOTTING/ HYDROLASE INHIBITOR: 1

LIGASE/ LIGASE INHIBITOR: 1

STRUCTURE GENOMICS, UNKNOWN FUNCTION: 9

VIRAL PROTEIN/SIGNALLING PROTEIN: 2

ISOMERASE/PROTEIN BINDING: 1

TRANSFERASE/TRANSFERASE RECEPTOR: 5

CELL CYCLE/DNA BINDING: 1

HYDROLASE (GLYCOSYL HYDROLASE): 1

REACTION CENTRE: 1

SIGNALING PROTEIN, HYDROLASE REGULATOR: 1

TRANFERASE/TRANSFERASE INHIBITOR: 1

PORIN: 4

GTP-BINDING: 3

RNA/ANTIBIOTIC: 17

LYSOZYME: 6

PROTEIN FIBRIL: 72

TRANSFERASE/TRANSFERASE PRODUCT: 1

THYMIDYLATE KINASE: 2

ISOMERASE/HYDROLASE/RNA: 1

PHOSPHATASE: 3

SIGNALING PROTEIN/ENDOCYTOSIS: 1

DNA REPAIR, HYDROLASE, LYASE: 1

PROTOHEME FERRO-LYASE: 1

PROTEIN TRANSPORT/HYDROLASE: 4

CHAPERONE, HYDROLASE: 2

SULFOTRANSFERASE: 1

AMINE-BINDING PROTEIN: 2

KINASE/INHIBITOR: 3

HYDROLASE/RNA: 139

GLYCOSYL HYDROLASE: 11

RNA BINDING PROTEIN/TRANSCRIPTION: 2

DNA INTEGRATION: 11

STRUCTURAL GENOMICS,UNKNOWN FUNCTION: 6

SUGAR BINDING PROTEIN, IMMUNE SYSTEM: 1

ELECTRON TRANSFER: 33

HYBRID CLUSTER: 1

PLASMINOGEN ACTIVATOR: 3

BINDING PROTEIN(FATTY ACID): 2

TRANSFERASE/IMMUNE SYSTEM/GROWTH FACTOR: 1

ISOMERASE/DNA/ISOMERASE INHIBITOR: 7

OXIDOREDUCTASE(COPPER): 1

HYDROLASE COFACTOR: 1

BLOOD CLOTTING/INHIBITOR: 3

HYDROLASE/SIGNALING PROTEIN: 17

OXIDOREDUCTASE (FLAVOENZYME): 4

TRANSPORT PROTEIN/OXYGEN BINDING: 1

PEPTIDE BINDING PROTEIN: 160

CHELATASE: 2

CHEMOKINE BINDING PROTEIN: 1

HUMAN ANTITHROMBIN-III: 1

SIGNALING PROTEIN/LIGASE: 3

TRANSCRIPTION/TRANSFERASE: 16

HYDROLASE/HYDROLASE INHIBITOR COMPLEX: 1

DE NOVO PROTEIN, HYDROLASE: 4

CA-BINDING PROTEIN/HYDROLASE: 1

HYDROLASE/CARBOHYDRATE BINDING: 2

SYNTHASE, LYASE: 1

CELL CYCLE, TRANSCRIPTION: 1

PRESYNAPTIC NEUROTOXIN: 5

MAGNETITE-BINDING PROTEIN: 1

ANGIOGENIN: 2

TRANSCRIPTION, TRANSFERASE/DNA: 10

BLOOD COAGULATION,OXIDOREDUCTASE: 1

INTRACELLULAR LIPID TRANSPORT PROTEIN: 1

HALIDE BINDING PROTEIN: 12

RNA/RNA BINDING PROTEIN: 9

BIFUNCTIONAL(ISOMERASE AND SYNTHASE): 1

NITRATE-BINDING PROTEIN: 2

XIDOREDUCTASE: 2

PROTEIN BINDING, CELL CYCLE: 1

RNA BINDING PROTEIN/RNA/DNA: 5

LYASE/LYASE/SIGNALING PROTEIN: 6

STRUCTURAL PROTEIN REGULATION: 1

SECRETION: 1

DNA BINDING PROTEIN/CELL CYCLE: 3

LIPID BINDING PROTEIN/ HYDRORASE: 1

STRUCTURAL PROTEIN/CELL ADHESION: 1

STRUCTURAL GENOMICS, OXIDOREDUCTASE: 2

HORMONE/GROWTH FACTOR RECEPTOR/DNA: 1

TRANSFERASE/OXIDOREDUCTASE/LYASE: 3

FLAVOPROTEIN: 172

COMPLEX (TRANSFERASE/CYCLIN): 1

CHAPERONE, STRUCTURAL, MEMBRANE PROTEIN: 1

NEUROTOXIN: 24

IMMUNE SYSTEM, ANTITUMOR PROTEIN: 1

RNA BINDING PROTEIN/DNA: 11

SIGNALING PROTEIN/PEPTIDE: 24

TRANSFERASE, TOXIN: 2

TRANSCRIPTION ACTIVATOR/DNA: 11

OXIDOREDUCTASE/OXIDOREDUCATSE INHIBITOR: 11

OXIDOREDUCTASE/ISOMERASE: 1

CHAPERONE/ANTIMICROBIAL PROTEIN: 4

CHAPERONE/HYDROLASE: 4

SIGNALING PROTEIN/CYTOKINE: 5

NUCLEOCAPSID PROTEIN: 1

LYASE,TRANSFERASE/DNA: 8

DNA BINDING PROTEIN/DAN: 1

CELL ADHESION/CARBOHYDRATE BINDING: 1

ANTIBIOTIC: 136

HYDROLASE,TRANSLATION: 2

DNA/RNA: 11

NUCLEIC ACID BINDING PROTEIN/DNA/RNA: 8

TRANSPORT PROTEIN/TRANSFERASE: 2

ENDOCYTOSIS/EXOCYTOSIS: 28

MOTOR PROTEIN/METAL-BINDING PROTEIN: 2

MOTOR PROTEIN, PROTEIN TRANSPORT/STRUCTU: 1

PHOSPHORIBOSYLTRANSFERASE: 7

CALCIUM/PHOSPHOLIPID BINDING PROTEIN: 2

DNA/RNA HYBRID: 1

VIRAL PROTEIN/TRANSCRIPTION INHIBITOR: 7

VIRUS/SIGNALING PROTEIN: 1

EXTRACELLULAR MATRIX PROTEIN: 1

OXIDOREDUCTASE, HYDROLASE: 4

TRANSLATION: 308

HYDROLASE, ANTITUMOR PROTEIN: 3

IRON STORAGE/ELECTRON TRANSPORT: 3

OXIDOREDUCTASE (NADP+(A),FERREDOXIN(A)): 4

CHOLINE BINDING PROTEIN: 2

BIOSYNTHETIC PROTEIN, TRANSLATION: 1

OXIDOREDUCTASE(CH-OH(D)-NAD(A)): 1

AMINOPEPTIDASE: 8

RNA BINDING PROTEIN, SPLICING: 1

CYTOKINE RECEPTOR: 3

CALCIUM-BINDING PROTEIN/METAL TRANSPORT: 1

PHOSPHORYL TRANSFER: 1

TRANSCRIPTION REGULATOR/DNA: 23

COMPLEX (RECEPTOR/IMMUNOGLOBULIN): 1

CARBOHYDRATE BINDING MODULE: 7

PROTO-ONCOGENE: 2

RECEPTOR/TOXIN: 2

CELL CYCLE, SIGNALING PROTEIN: 5

PROTEIN BINDING, LIGASE: 3

HYDROLASE (NUCLEIC ACID, RNA): 1

BINDING PROTEIN(CALCIUM): 2

SIGNALING PROTEIN, HYDROLASE/INHIBITOR: 1

CELL DIVISION PROTEIN: 1

PROTEIN TRANSPORT, SUGAR BINDING PROTEIN: 8

HEPATIC LECTIN: 1

REPLICATION, TRANSFERASE/DNA: 43

HYDROLASE,TRANSFERASE: 3

TOXIN/CELL CYCLE: 1

STEROID BINDING PROTEIN/TRANSCRIPTION: 2

HYDORLASE/HYDORLASE INHIBITOR: 2

OXIDOREDUCTASE/TRANSCRIPTION: 5

BLOOD COAGULATION FACTOR: 5

RIBOSOME-INACTIVATING PROTEIN: 5

PHOSPHOTRANSFERASE SYSTEM: 2

TYROSINE-PROTEIN KINASE: 5

CELL CYCLE/MOTOR PROTEIN: 1

HYDROLASE/HYDROLASE INBHITOR: 1

LIGASE/DNA: 12

HYDROLASE, CARBOHYDRATE: 2

ISOMERASE,BIOSYNTHETIC PROTEIN: 1

TRANSLATION REGULATOR: 2

PEPTIDOGLYCAN-BINDING PROTEIN: 3

CARBOHYDRATE: 4

BIFUNCTIONAL ENZYME: 1

HYDROLASE/INHIBITOR/IMMUNE SYSTEM: 2

PROTEIN BINDING, TRANSPORT PROTEIN: 1

SERINE PROTEASE/INHIBITOR COMPLEX: 1

TRANSCRIPTION INITIATION: 1

SERINE PROTEASE INHIBITOR: 16

MEMBRANE PROTEIN, RECEPTOR/AGONIST: 1

STRESS-RESPONSE: 1

OXIDOREDUCTASE (NAD(A)-ALDEHYDE(D)): 1

PHOSPHODIESTERASE: 3

TRANSCRIPTION REGULATION/DNA: 1

RNA-BINDING PROTEIN: 14

HYDROLASE/DE NOVO PROTEIN: 12

PEROXIDASE(DONOR:H2O2 OXIDOREDUCTASE): 1

DRUG/DNA: 1

TRANSFERASE/INHIBITOR/DNA: 3

PROTEIN BINDING/TRANSPORT PROTEIN: 5

ANTIBIOTIC RESISTANCE: 21

IMMUNE SYSTEM/ANTIGEN: 6

ENDOCYTOSIS, LIPID BINDING PROTEIN: 2

TRANSCRIPTION REGULATION, RECEPTOR: 1

PROTEIN BINDING/VIRAL PROTEIN/DNA: 1

METAL TRANSPORT: 420

IMMUNOGLOBULIN FOLD: 1

ELECTRON TRANSPORT/INHIBITOR: 2

DNA BINDING PROTEIN, HYDROLASE/DNA: 1

DNA/LYASE/TRANSFERASE: 2

RIBOSOME INHIBITOR: 1

COLLAGEN: 3

ELECTRON TRANSPORT, OXIDOREDUCTASE: 5

TRANSFERASE (GLYCOSYLTRANSFERASE): 3

HYDROLASE, TRANSFERASE/INHIBITOR: 4

TRANSLATION/RIBOSOMAL PROTEIN: 2

PROTEIN TRANSPORT, CELL INVASION: 1

CHOLINE BINDING PROTEIN/TOXIN: 1

GTPASE: 5

OXIDOREDUCTASE,HYDROLASE: 4

IMMUNORECEPTOR: 1

TRANSLATION/OXIDOREDUCTASE: 1

COMPLEX (TRNA SYNTHETASE/PEPTIDE): 1

COMPLEX (PHOSPHOTRANSFERASE/PEPTIDE): 2

PHOSPHORYLCHOLINE-BINDING PROTEIN: 1

IMMUNOGLOBULIN DOMAIN: 1

CHAPERONE/PEPTIDE BINDING PROTEIN: 5

LIPOPROTEIN: 3

ISOMERASE, HYDROLASE: 8

TRANSFERASE(KETONE RESIDUES): 1

HYDROLASE, APOPTOSIS: 7

GENE REGULATION, LIGAND BINDING PROTEIN: 1

CELL CYCLE/PROTEIN FIBRIL: 1

PLASIMIN AND FIBRONECTIN-BINDING PROTEIN: 1

ACYLTRANSFERASE: 6

IMMUNE SYSTEM/HYDROLASE: 13

CYTOSOLIC PROTEIN: 35

GROWTH RESPONSE PROTEIN: 1

TRANSDUCTION PROTEIN: 1

TRANSFERASE/LIGASE: 1

TRANSCRIPTION, TRANSFERASE/ANTIBIOTIC: 5

CELL CYCLE: 530

EXTRACELLULAR MODULE: 3

TRANSPORT PROTEIN, MEMBRANE PROTEIN: 23

VIRAL PROTEIN, PROTEIN BINDING: 1

STRUCTURAL GENOMICS, STRUCTURAL PROTEIN: 1

RNA-BINDING ATTENUATION PROTEIN: 1

TRANSLATIONAL GTPASE: 1

MEMBRANE PROTEIN, TRANSFERASE: 2

SUGAR BINDING PROTEIN, PLANT PROTEIN: 10

SUGAR BINDING PROTEIN, TOXIN: 1

METAL BINDING PROTEIN/TRANSPORT PROTEIN: 6

LIGASE, TRANSCRIPTION: 1

CELL CYCLE,SIGNALING PROTEIN: 2

TOXIN/PEPTIDE INHIBITOR: 1

HISTIDINE BIOSYNTHESIS: 1

OXIDOREDUCTASE/OXIDOREDUCTASE: 2

TRANSFERASE (AMINOTRANSFERASE): 9

HYDROLASE(ACID PROTEINASE): 12

RIBOSOME/HYDROLASE: 1

TRANSFERASE,SIGNALING PROTEIN/INHIBITOR: 1

STRUCTURAL GENOMICS, GENE REGULATION: 1

TRIOSEPHOSPHATE ISOMERASE: 2

TRANSPORT PROTEIN/RECEPTOR/AGONIST: 1

HYDROLASE(THIOL PROTEASE): 1

TRANSLATION, TOXIN: 1

LIGASE/HYDROLASE: 1

IMMUNOGLOBULIN: 75

DNA-BINDING PROTEIN/DNA: 5

PROTEIN TRANSPORT/INHIBITOR: 14

METAL BINDING PROTEIN/HORMONE RECEPTOR: 2

TRANSCRIPTION/PEPTIDE/AGONIST: 2

CELL CYCLE/SIGNALING PROTEIN: 5

HYDROLASE/HYDROLASE PRODUCT: 4

METAL TRANSPORT, HYDROLASE: 1

ADP-RIBOSE-BINDING PROTEIN: 1

CELL INVASION/CELL ADHESION: 6

LIGASE, LYASE: 1

VIRAL PROTEIN/VPX-BINDING PROTEIN: 1

LIGASE, PLANT PROTEIN: 1

ONCOPROTEIN, HYDROLASE: 5

RUSTICYANIN: 1

COMPLEX (PROTEIN/PROTEIN): 1

EPIMERASE/REDUCTASE: 3

CAPPING ENZYME: 3

HYDROLASE,TRANSFERASE/RNA: 2

EYE LENS PROTEIN: 3

OXIDOREDUCTASE/LIPID BINDING PROTEIN: 2

APOPTOSIS/SIGNALLING PROTEIN: 1

DNA BINDING: 10

NUCLEAR PROTEIN/RNA: 3

VIRAL PROTEIN/APOPTOSIS: 2

HYDROLASE ACTIVATOR: 18

COMPLEX (KINASE/PEPTIDE): 1

LIGASE, TRANSFERASE: 1

TRANSFERASE/DNA-RNA HYBRID: 5

TRANSPORT PROTEIN/ANTAGONIST: 1

MUSCLE CONTRACTION: 1

HYDROLASE/LIPID BINDING PROTEIN: 2

TRANSFERASE/TRANSFERASE INHIBOTOR: 1

VIRAL PROTEIN/VIRAL PROTEIN: 1

COMPLEX (LYASE/PEPTIDE): 1

CARBOHYDRATE-BINDING PROTEIN: 34

ANTITUMOR PROTEIN, APOPTOSIS: 1

TRANSFERRIN: 1

COMPLEX (BINDING PROTEIN/PEPTIDE): 3

ISOMERASE/HYDROLASE: 3

AMINO ACID TRANSPORT: 3

TRANSPORT PROTEIN/SIDEROPHORE: 1

ISOMERASE, CHAPERONE: 8

RNA BINDING PROTEIN: 442

ASPARTYL PROTEINASE: 1

HYDROLASE, OXIDOREDUCTASE: 8

TRANSPEPTIDASE: 2

PROTEIN FOLDING: 1

TRANSFERASE/METAL-BINDING PROTEIN: 1

OXIDOREDUCTASE (CHOH(D) - NAD(P)): 3

STEROID BINDING PROTEIN: 2

CHOLESTEROL-BINDING PROTEIN: 1

SEROTONIN BINDING PROTEIN: 1

OXIDOREDUCTASE/REPRESSOR: 8

METAL BINDING PROTEIN/PROTEIN BINDING: 5

HYDROLASE (PHOSPHORIC DIESTER): 15

TRANSCRIPTION, ANTITUMOR PROTEIN: 3

CHAPERONE/CELL ADHESION: 1

TRANSCRIPTION/PEPTIDE: 4

SIGNALING PROTEIN, IMMUNE SYSTEM/SIGNALI: 1

REDUCTASE: 18

RNA BINDING PROTEIN/METAL BINDING PROTEI: 1

RIFAMYCIN BIOSYNTHESIS (RIFD GENE): 2

CELL CYCLE/CALCIUM-BINDING PROTEIN: 1

TRANSPORT PROTEIN, OXIDOREDUCTASE: 3

METAL BINDING PROTEIN/LIGASE: 1

HORMONE/TRANSFERASE: 1

HYDROLASE, HYDROLASE INHIBITOR: 3

ELECTRON TRANSPORT(CADMIUM BINDING): 1

INTEGRAL MEMBRANE PROTEIN: 1

TOXIN RECEPTOR: 1

CALCIUM BINDING PROTEIN: 59

HYDROLASE,DNA BINDING PROTEIN: 1

MOLYBDATE BINDING PROTEIN: 1

HYDROLASE (VASCULARIZATION): 1

HYDROLASE/TRANSFERASE/DNA: 2

CELLULASE DEGRADATION: 1

PEPTIDE/RNA BINDING PROTEIN: 1

HYDROXYNITRILE LYASE: 3

PROTEIN KINASE INHIBITOR: 3

SIGNALING PROTIEN: 1

PROTON TRANSPORT, MEMBRANE PROTEIN: 2

HYDROLASE, SIGNALING PROTEIN: 9

BACTERIORHODOPSIN: 1

IMMUNE SYSTEM/CYTOKINE: 6

TRANSCRIPTION REGULATION/ONCOPROTEIN: 2

HEMATOPOIETIC CELL RECEPTOR: 1

PHOSPHOMONOESTERASE: 2

HYDROLASEE/HYDROLASE INHIBITOR: 1

TRANSFERASE (CARBAMOYL-P, ASPARTATE): 1

TRANSFERASE/SIGNALING PROTEIN: 35

LYASE: 4059

RIBONUCLEOPROTEIN: 1

PEROXIDASE: 9

PHOTOSYNTHESIS/MEMBRANE PROTEIN: 6

OXIDOREDUCTASE/TRANSCRIPTION/INHIBITOR: 3

NUCLEAR PROTEIN/DNA: 6

DNA BINDING PROTEIN/RNA/DNA: 5

ODORANT-BINDING PROTEIN: 13

CLASS 2 CYTOKINE RECEPTOR: 1

TRANSCRIPTION FACTOR: 8

CHAPERONE, METAL TRANSPORT: 1

CYTOKINE/CYTOKINE: 1

TRANSFERASE, OXIDOREDUCTASE: 7

CYTOKINE/RNA: 1

ENDOCYTOSIS,EXOCYTOSIS: 9

HYDROLASE, PLANT PROTEIN: 1

DNA-BINDING: 9

THIAMIN BIOSYNTHESIS: 1

HYDROASE: 1

DNA/DNA INHIBITOR: 1

ANTIBIOTIC/DNA: 2

CARRIER PROTEIN: 2

LIGASE/INHIBITOR: 6

CHAPERONE/TRANSFERASE: 2

TRANSCRIPTION, REPLICATION: 3

TRANSCRIPTION, TRANSFERASE/DNA/RNA HYBRI: 1

OXIDOREDUCTASE, LYASE: 8

METAL/DNA BINDING PROTEIN: 1

DE NOVO DESIGN: 1

CALCIUM/PHOSPHOLIPID-BINDING: 2

TRANSFERASE (GLUTATHIONE): 3

DNA/RNA CHIMERA: 1

ENDOCYTOSIS/EXOCYTOSIS, MEMBRANE PROTEIN: 1

CYTOKINE, HORMONE/GROWTH FACTOR: 3

COMPLEX (RALGDS/RAS): 1

PROTEIN BINDING, TRANSCRIPTION: 3

METAL BINDING, DNA BINDING PROTEIN: 2

DE NOVO PROTEIN/PROTEIN BINDING: 1

LYASE(OXO-ACID): 63

DNA BINDING PROTEIN, PROTEIN BINDING: 3

HYDROLASE/RIBOSOMAL PROTEIN: 1

TRANSFERASE/TRANSFERASE ACTIVATOR: 25

METAL BINDING PROTEIN/METAL TRANSPORT: 2

TRANSFERASE/TRANSFERASE INHIBITOR/DNA: 2

STRUCTURAL PROTEIN, CONTRACTILE PROTEIN: 1

BETA-LACTAMASE: 2

POSTSEGREGATIONAL KILLING SYSTEM: 1

REPLICATION, TRANSFERASE: 1

DNA BINDING PROTEIN/DNA/RNA: 2

LEADER PEPTIDE: 1

LIGASE/SIGNALING PROTEIN: 8

TRANSCRIPTION/CHAPERONE: 1

SIGNALING PROTEIN,TRANSFERASE/INHIBITOR: 3

ISOMERASE/ISOMERASE INHIBITOR/DNA: 1

OXIDOREDUCTASE/TRANSFERASE: 15

PHOSPHATE-BINDING PROTEIN: 8

HYDROLASE/HYDROLASE ACTIVATOR: 8

HYDROLASE, MEMBRANE PROTEIN: 9

COMPLEX (TWO TRANSCRIPTION FACTORS): 1

CELL CYCLE, STRUCTURAL PROTEIN: 3

TRANSFERASE/ISOMERASE: 8

TRANSCRIPTION, RNA BINDING PROTEIN/RNA: 2

ISOMERASE: 2246

MEMBRANE PROTEIN/CHAPERONE: 1

HEME-BINDING PROTEIN/HEME-BINDING PROTEI: 1

OXIDOREDUCTASE/FLAVOPROTEIN: 1

MAMMALIAN PCB-BINDING PROTEIN: 1

GROWTH FACTOR/GROWTH FACTOR RECEPTOR: 5

CALCIUM/PHOSPHOLIPID BINDING: 7

TRANSFERASE,ISOMERASE: 1

HYDROLASE REGULATOR/ANTIBIOTIC: 3

VIRAL PROTEIN/TRANSFERASE INHIBITOR: 6

TRANSCRIPTION/DNA/RNA: 34

MEMBRANE PROTEIN/VIRAL PROTEIN: 1

VIRAL PROTEIN/CYTOKINE: 4

TOXIN/TOXIN INHIBITOR: 4

INHIBITOR: 27

GROWTH FACTOR: 27

TRANSLATION, TRANSFERASE: 5

ENDOCYTOSIS/PROTEIN BINDING: 1

TRANSFERASE,GENE REGULATION: 1

TRANSFERASE,TRANSCRIPTION: 1

ISOPRENOID SYNTHASE: 3

VIRAL PROTEIN/MEMBRANE PROTEIN: 4

HYDROLASE/SIGNALING PROTEIN/PROTEIN BIND: 1

COMPLEX(TRANSFERASE/PEPTIDE): 1

GTP-BINDING PROTEIN/TRANSPORT PROTEIN: 4

HYDROLASE/HYDROLASE REGULATOR: 14

HEME BINDING PROTEIN, TRANSPORT PROTEIN: 5

LYASE/OXIDOREDUCTASE: 3

LIGASE/REACTION INTERMEDIATE: 1

CHAPERONE, METAL BINDING PROTEIN: 1

CHEMOATTRACTANT: 1

MOLYBDOPTERIN BIOSYNTHESIS: 1

RIBOTOXIN: 1

TOXIN/IMMUNE SYSTEM: 6

HYPOTHETICAL PROTEIN: 6

CYTOKINE/DNA: 2

ELECTRON TRANSPORT(COPPER BINDING): 4

LECTIN-BINDING PROTEIN: 1

DNA BINDING PROTEIN/HYDROLASE: 1

SIGNALING: 5

HYDROLASE(ACTING IN CYCLIC AMIDES): 3

VIRAL PROTEIN, MEMBRANE PROTEIN: 1

ANTITUMOR PROTEIN/SIGNALING PROTEIN: 1

GENE REGULATION: 567

AMYLOID PROTEIN: 1

HYDROLASE/REPLICATION: 5

PROTEIN/DNA COMPLEX: 1

CHAPERONE/PEPTIDE: 3

ION TRANSPORT: 13

ELECTRON TRANSPORT(COPPER): 2

TRANSFERASE/INHHIBITOR, HYDROLASE/INHHIB: 1

TRANSCRIPTION/HORMONE: 1

AMIDASE: 2

CHAPERONE PROTEIN: 10

POLYRIBONUCLEOTIDE TRANSFERASE: 2

FLAVOPROTEIN, OXIDOREDUCTASE: 8

MEMBRANCE PROTEIN: 1

CELL-DIVISION PROTEIN: 1

TRANSFERASE/ANTIBOTIC/INHIBITOR: 1

ALLOSTERY: 1

REPLICATION/RECOMBINATION: 1

TRANSCRIPTION/RNA/ANTIBIOTIC: 1

KINASE (GLYCOGEN METABOLISM): 1

CELL ADHESION/TRANSPORT/CHAPERONE: 1

MEMBRANE PROTEIN, HYDROLASE: 8

LIGASE,BIOSYNTHETIC PROTEIN: 1

SIGNALING PROTEIN/METAL BINDING PROTEIN: 5

HYDROLASE, ANTIVIRAL PROTEIN: 3

TRANSFERASE/MEMBRANE PROTEIN: 1

COMPLEX (HYDROLASE/INHIBITOR): 6

SERINE PROTEINASE/HYDROLASE SUBSTRATE: 1

STRUCTURAL GENOMICS UNKNOWN FUNCTION: 1

MOTOR PROTEIN/PROTEIN TRANSPORT: 1

MEMBRANE PROTEIN/METAL TRANSPORT: 9

OXIDOREDUCTASE (CHOH(D)-NAD+(A)): 2

HYDROLASE/IMMUNE SYSTEM: 55

DNA: 837

ISOMERASE/ISOMERASE INHIBITOR: 142

HORMONE, BINDING PROTEIN: 1

METAL BINDING PROTEIN/STRUCTURAL PROTEIN: 1

PROTEIN BINDING/CYTOKINE: 2

LYASE(CARBON-OXYGEN): 9

PEPTIDE BINDING PROTEIN/PEPTIDE: 2

IMMUNE SYSTEM/HYDROLASE INHIBITOR: 1

APOPTOSIS, HYDROLASE/HYDROLASE INHIBITOR: 4

TRANSCRIPTIONAL REGULATOR: 7

PROTEIN BINDING/ANTIBIOTIC: 4

TRANSFERASE/PROTEIN TRANSPORT/INHIBITOR: 1

CALCIUM-DEPENDENT PROTEASE: 1

TOXIN,HYDROLASE/PROTEIN BINDING: 1

FIBRIL PROTEIN: 1

CALCIUM-BINDING PROTEIN: 97

TRANSCRIPTION, VIRAL PROTEIN/RNA: 1

COMPLEX (HEMAGGLUTININ/IMMMUNOGLOBULIN): 2

CCDB: 2

COMPLEX (MHC/VIRAL PEPTIDE/RECEPTOR): 1

SH2-DOMAIN: 1

COMPLEX (HYDROLASE/PEPTIDE): 4

PHEROMONE BINDING PROTEIN: 17

CIS-TRANS ISOMERASE: 8

AMIDOTRANSFERASE: 2

LYASE/LYAS INHIBITOR: 1

MEMBRANE PROTEIN/PROTEIN TRANSPORT: 1

CHAPERONE, LIGAND BINDING: 1

SIGNALING PROTEIN, CYTOKINE: 1

BACTERIAL ENCAPSULATION: 1

COMPLEX (ANTIBODY/ELECTRON TRANSPORT): 1

TOXIN/PROTEIN BINDING: 2

ISOMERASE/ ISOMERASE SUBSTRATE: 2

ANTIBIOTIC/RNA: 1

HYDROLASE,ALLERGEN: 2

KINASE (TRANSPHOSPHORYLATING): 1

COMPLEX (SERINE ESTERASE/TOXIN): 1

HORMONE BINDING PROTEIN: 12

GALACTOSE-BINDING PROTEIN: 3

RNA-BINDING PROTEIN/RNA: 7

CELL CYCLE, TRANSFERASE: 1

NUCLEIC ACID BINDING PROTEIN/DNA: 1

STRUCTURAL PROTEIN/MOTOR PROTEIN: 4

CELL ADHESION PROTEIN: 11

HORMONE/RECEPTOR: 1

MEMBRANE PROTEIN,IMMUNE SYSTEM: 1

DNA MISMATCH REPAIR: 2

TRYPTOPHAN BIOSYNTHESIS: 1

STRUCTURAL GENOMICS, PROTEIN BINDING: 1

SIGNALING PROTEIN/OXIDOREDUCTASE: 1

ECOLI: 1

BASEMENT MEMBRANE: 1

ANTIFUNGAL PROTEIN, PLANT PROTEIN: 2

GENE REGULATION/SIGNALING PROTEIN: 3

BLOOD CLOTTING/ANTITUMOR PROTEIN: 1

CHAPERONE/ANTIBIOTIC: 5

RNA BINDING PROTEIN, GENE REGULATION: 1

PROTEINASE INHIBITOR (TRYPSIN): 6

VIRAL PROTEIN,TRANSFERASE: 8

VIRAL PROTEIN/PEPTIDE: 9

HYDROLASE/TRANSFERASE: 12

COMPLEX (HYDROLASE/PRODUCT): 1

LIGASE/RNA/DNA: 1

NUCLEAR PROTEIN/PEPTIDE: 1

HORMONE RECEPTOR, TRANSCRIPTION: 3

GLYCINE CLEAVAGE H-PROTEIN: 1

SUGAR BINDING PROTEIN,SIGNALING PROTEIN: 2

TRANSPORT PROTEIN/TRANSPORT PROTEIN INHI: 1

TRNA SYNTHETASE: 2

HISTOCOMPATIBILITY ANTIGEN I-AK: 1

CHAPERONE/CHAPERONE INHIBITOR: 44

VIRAL PROTEIN, HYDROLASE: 32

AMINOACYL-TRNA SYNTHASE: 6

PHOTORECEPTOR: 26

TRANSFERASE/HORMONE: 4

SIGNALING PROTEIN/DE NOVO PROTEIN: 1

MEMBRANE PROTEIN/ANTAGONIST: 3

CARBOHYDRATE-BINDING MODULE: 16

COMPLEX (CHEMOTAXIS/TRANSFERASE): 1

TRANSFERASE(PHOSPHOTRANSFERASE): 10

PHOTOSYNTHESIS: 258

SUBSTRATE BINDING PROTEIN: 1

HYDROLASE/HYDROLASE INHIBTIOR: 4

PENICILLIN-BINDING PROTEIN/INHIBITOR: 3

ELECTRON TRANSFER, APOPTOSIS: 1

LIGASE/PROTEIN TRANSPORT: 1

BLOOD CLOTTING,HYDROLASE: 2

HYDROLASE/PROTEIN-BINDING: 1

SUGAR TRANSPORT: 5

LECTIN BINDING: 1

SERINE HYDROLASE: 4

PEPTIDE RECOGNITION: 2

POLYSACCHARIDE-BINDING PROTEIN: 1

HISTONE BINDING PROTEIN: 3

TRANSFERASE/PROTEIN BINDING: 26

PEPTIDOGLYCAN: 1

LIPID DEGRADATION: 8

TRANSCRIPTION REPRESSOR, DRUG BINDING: 1

ELECTRON TRANSPORT,PHOTOSYNTHESIS: 4

PROTEIN TRANSPORT, TRANSCRIPTION: 1

HYDROLASE/TRANSPORT PROTEIN/ANTIBIOTIC: 1

LIPID TRANSPORT/ENDOCYTOSIS/CHAPERONE: 1

MEMBRANE PROTEINS/INHIBITOR: 3

LIGASE/PRODUCT: 2

PLANT SEED PROTEIN: 3

MEMBRANE PROTEIN, METAL TRANSPORT: 8

PEPTIDE/HYDROLASE: 2

CYTOKINE, ISOMERASE: 6

HYDROLASE(GLUCANASE): 2

PRODUCT COMPLEX: 1

TRANSFERASE/TRANSFERASE INIHIBITOR: 2

CELL CYCLE/LIGASE/PROTEIN TURNOVER: 1

TOXIN, TRANSPORT PROTEIN: 2

TRANSCRIPTION/TRANSFERASE/DNA/RNA: 1

VIRAL PROTEIN/VIRAL PROTEIN INHIBITOR: 4

HORMONE REGULATOR COMPLEX: 1

CALCIUM-BINDING PROTEIN/PROTEIN BINDING: 1

DE NOVO PROTEIN/HYDROLASE: 3

HYDROLYASE: 2

CYTOLYSIN: 3

COMPLEX (OXIDOREDUCTASE/ANTIBODY): 1

PENICILLIN BINDING PROTEIN/ANTIBIOTIC: 1

HYDROLYASE/TRANSLATION: 2

CELLULAR LIPOPHILIC TRANSPORT PROTEIN: 2

ISOMERASE/ISOMERASE SUBSTRATE: 2

VIRAL PROTEIN, SUGARD BINDING PROTEIN: 1

TRANSFERASE, SIGNALING PROTEIN: 6

OXIDOREDUCTASE, ISOMERASE: 4

SIGNALING PROTEIN,MEMBRANE PROTEIN: 1

TRANSFERASE/TRANSFERASE INHIBITOR: 2724

ZINC FINGER: 4

MOTOR PROTEIN/SIGNALING PROTEIN: 2

COMPLEMENT REGULATORY PROTEIN: 2

CHAPERONE / INHIBITOR: 1

ENVELOPE GLYCOPROTEIN: 3

LIGASE,PROTEIN BINDING: 1

SUGAR BINDING PROTEIN: 1300

GENE REGULATION/TRANSCRIPTION ACTIVATOR: 1

COMPLEX (SH3 DOMAIN/VIRAL ENHANCER): 1

TRANSFERASE(AMINOTRANSFERASE): 19

AMINE/CARBOXYLATE LIGASE: 1

PHOSPHOTRANSFERASE: 61

CYTOKINE,SIGNALING PROTEIN: 1

OXIDOREDUCTASE(OXYGEN AS ACCEPTOR): 2

TRANSFERASE,LYASE/DNA: 17

PLASMINOGEN: 1

MACROGLOBULIN: 1

VIRUS/RECEPTOR: 2

DE NOVO PROTEIN, LYASE: 4

TRANSFERASE, APOPTOSIS: 2

TOXIN INHIBITOR: 3

APOPTOSIS: 300

ANTIBACTERIAL AND ANTITUMOR PROTEIN: 1

INSULIN: 1

HORMONE ACTIVATOR: 1

MITOCHONDRIAL ELECTRON TRANSPORT: 1

TRANSPORT PROTEIN/RNA BINDING PROTEIN: 2

RIBONUCLEASE: 3

HORMONE: 300

RETINOL BINDING PROTEIN: 1

STRUCTURAL PROTEIN/PEPTIDE: 1

INTEGRASE: 1

HYDROLASE/DNA BINDING PROTEIN: 3

CALMODULIN-PEPTIDE COMPLEX: 1

DNA BINDING PROTEIN, RECOMBINATION: 5

DNA BINDING PROTEIN/STRUCTURAL GENOMICS: 1

GLYCOPROTEIN, IMMUNE SYSTEM: 1

HYDROLASE/KINASE: 1

SERPIN: 3

PROTEIN BINDING, METHYL-LYSINE-BINDING P: 1

IMMUNE SYSTEM/IMMUNOSUPPRESSANT: 1

PLATELET FACTOR: 2

SIGNALING PROTEIN, MEMBRANE PROTEIN: 4

MEMBRANE PROTEIN, SIGNALING PROTEIN: 3

ELECTRON TRANSPORT PROTEIN(CUPROPROTEIN): 5

IRON-BINDING/OXIDATION PROTEIN: 1

VIRUS LIKE PARTICLE/PEPTIDE: 1

PROTEIN TRANSPORT/EXOCYTOSIS: 1

CELL CYCLE/PROTEIN BINDING: 2

CHROMATIN-BINDING: 1

ANTITOXIN/TOXIN: 1

NUCLEASE: 10

PROTEIN BINDING/ANTAGONIST: 2

CYCLIN DEPENDENT KINASE: 1

HYDROLASE (GLUCANASE): 3

OXYGEN STORAGE, OXYGEN TRANSPORT: 53

SIGNALING PROTEIN-IMMUNE SYSTEM: 1

SIGNALING PROTEIN/MOTOR PROTEIN: 1

OXIDOREDUCTASE/INHIBITOR: 115

ANTITUMOR PROTEIN, ANTIVIRAL PROTEIN: 1

HYDROLASE/DNA/RNA: 60

VIRUS/INHIBITOR: 2

RECEPTOR/HYDROLASE: 1

SIGNALING PROTEIN, ELECTRON TRANSPORT: 6

LIGASE, DNA BINDING PROTEIN: 1

ZINC FINGER DNA BINDING DOMAIN: 6

ELECTRON TRANSPORT (CUPROPROTEIN): 1

IMMUNOSUPPRESSANT: 5

ENDOCYTOSIS/EXOCYTOSIS,SIGNALING PROTEIN: 1

HYDROLASE(CARBOXYPEPTIDASE): 2

TRANSCRIPTION, TRANSFERASE: 7

RNA-BINDING PROTEIN, VIRAL PROTEIN: 1

LYASE/PROTEIN BINDING: 1

COMPLEX (TRANSMEMBRANE/GLYCOPROTEIN): 1

LIPID MOBILIZATION FACTOR: 1

ELECTRON TRANSFER (IRON-SULFUR): 1

HYDROLASE, PROTEIN BINDING: 9

AMINOHYDROLASE: 2

CARBOHYDRATE BINDING DOMAIN: 4

GENE REGULATION/PROTEIN BINDING: 1

HYDROLASE (ENDORIBONUCLEASE): 4

RNA CAP: 1

OXIDOREDUCTASE/PEPTIDE: 15

DNA BINDING PROTEIN/TRANSCRIPTION: 3

SIGNALING PROTEIN/SIGNALING PROTEIN: 13

TRANSCRIPTION/ANTITUMOR PROTEIN: 2

MOLTEN GLOBULE STATE: 1

RNA BINDING PROTEIN/INHIBITOR: 9

SIGNALING REGULATOR: 1

ONCOPROTEIN/HYDROLASE: 2

COMPLEX (PROTEINASE/INHIBITOR): 9

TRANSPORT AND PROTECTION PROTEIN: 1

TRNA-MODIFYING ENZYME: 3

THYROID HORMONE-BINDING PROTEIN: 3

HYDROLASE (CARBOXYLIC ESTER): 3

PHOSPHOLIPASE: 1

PLANT PROTEIN: 276

HYDROLASE-DNA COMPLEX: 1

OXIDOREDUCTASE, LYASE/INHIBITOR: 3

VIRAL PROTEIN, UNKNOWN FUNCTION: 1

COMPLEX (BLOOD COAGULATION/PEPTIDE): 1

HYDROLASE(): 1

HYDROLASE, CARBOHYDRATE-BINDING DOMAIN: 1

TRANSCRIPTION, DNA REPAIR: 1

METAL BINDING PROTEIN, UNKNOWN FUNCTION: 2

TRANSFERASE REGULATOR: 2

DE NOVO PROTEIN/DNA: 2

OXIDOREDUCTASE(ACTING ON NADH OR NADPH): 2

T LYMPHOCYTE ADHESION GLYCOPROTEIN: 1

ACYL-COENZYME A BINDING PROTEIN: 3

VIRAL PROTEIN/ISOMERASE: 1

RECEPTOR/GLYCOPROTEIN COMPLEX: 1

STRUCTURAL PROTEIN/TRANSPORT PROTEIN: 1

ANTIVIRAL PROTEIN, HYDROLASE: 1

TRANSCRIPTION REGULATOR/ANTIBIOTIC: 3

PROTEIN/RNA: 1

ANTIBIOTIC INHIBITOR: 4

ELECTRON TRANSPORT(IRON): 1

GENE REGULATION, CHAPERONE: 1

SUGAR BINDING, METAL BINDING PROTEIN: 3

ACETYLCHOLINE-BINDING PROTEIN/AGONIST: 5

TRANSPORT PROTEIN, HYDROLASE/INHIBITOR: 1

IGG BINDING DOMAIN: 2

CHROMOSOME SEGREGATION: 3

ACETYLCHOLINE-BINDING PROTEIN: 22

VIRAL ADHESION PROTEIN: 3

REPLICATION/SIGNALING PROTEIN: 1

MAGNETITE BINDING PROTEIN: 2

TOXIN/CELL ADHESION: 1

OXIDOREDUCTASE(OXYGEN RECEPTOR): 2

HORMONE RECEPTOR/ANTAGONIST: 1

HYDROLASE,OXIDOREDUCTASE: 10

IMMUNE SYSTEM/RECEPTOR: 3

CELL ADHESION: 940

MBT: 1

REPLICATION, DNA BINDING PROTEIN/DNA: 1

APPA: 1

METAL BINDING PROTEIN/ELECTRON TRANSPORT: 1

HORMONE RECEPTOR/HYDROLASE: 2

SPLICING: 74

LAMININ BINDING PROTEIN: 1

IMMUNE SYSTEM/LIGASE: 2

HORMONE/GROWTH FACTOR RECEPTOR: 50

OXIDOREDUCTASE, TRANSFERASE/INHIBITOR: 7

CHAPERONE/RNA: 3

LEUCINE ZIPPER: 3

VIRAL PROTEIN/ TRANSLATION: 1

DISULFIDE OXIDOREDUCTASE: 3

COPPER TRANSPORT: 1

BACTERIAL ADHESIN: 1

HYDROLASE RECEPTOR: 4

SIGNALING PROTEIN/ANTAGONIST: 21

BACTERIOCHLOROPHYLL BINDING PROTEIN: 1

ATP BINDING PROTEIN: 13

DNA BINDING REGULATORY PROTEIN: 2

CYTOKINE/SIGNALING PROTEIN: 10

MEMBRANE PROTEIN, ION TRANSPORT: 1

PROTEIN BINDING, HYDROLASE: 1

PHOSPHOTYROSINE PROTEIN PHOSPHATASE: 1

NUCLEAR TRANSPORT: 4

ANTITOXIN/HYDROLASE: 1

OXIDOREDUCTASE(NADP): 1

SPLICING/DNA: 2

BIOSYNTHETIC PROTEIN/ANTIBIOTIC: 3

BIOSYNTHETIC PROTEIN,STRUCTURAL PROTEIN: 1

ATP SYNTHASE: 2

PROTEIN TRANSPORT/TRANSCRIPTION: 2

STRUCTURAL PROTEIN: 697

CALMODULIN-BINDING PROTEIN: 1

SIGNALING PROTEIN/INHIBITOR/ACTIVATOR: 2

TRANSCRIPTION, PROTEIN BINDING: 1

BLOOD CLOTTING, HYDROLASE INHIBITOR: 1

ANTITOXIN/TOXIN/DNA: 1

LYASE/BIOSYNTHETIC PROTEIN: 3

COLD-ACTIVITY: 1

OXIDASE: 8

TRANSFERASE, MEMBRANE PROTEIN/INHIBITOR: 1

HYDROLASE/HYDROLASE: 8

PECTATE CLEAVAGE: 1

GENE REGULATION/DNA: 34

COMPLEX (TRANSFERASE/CYCLIN/INHIBITOR): 1

HORMONE-BINDING PROTEIN: 6

DE NOVO PROTEIN: 344

TRANSFERASE/PROTEIN BINDING: 1

SNAKE TOXIN: 1

PROTEIN/DNA: 7

ISOMERASE, METAL-BINDING PROTEIN: 11

HYDROLASE/TOXIN: 10

PROTEIN TRANSPORT/LIPID BINDING PROTEIN: 1

LAYSE, TOXIN: 2

RNA BINDING/RNA: 2

SIGNALING PROTEIN/RECEPTOR: 2

NUCLEOTIDE BINDING: 1

ALU RIBONUCLEOPROTEIN PARTICLE: 2

BLOOD CLOTTING INHIBITOR: 2

ENTEROTOXIN: 15

ALLERGEN: 82

SWEET TASTING PROTEIN: 1

ASPARTIC PROTEASE ZYMOGEN: 1

ELECTRON TRANSPORT-OXIDOREDUCTASE: 1

PHOSPHOTRANSFERASE(PO4 AS ACCEPTOR): 2

CELL ADHESION, SPLICING: 3

COMPLEX (HYDROLASE/TOXIN): 1

SIGNALING PROTEIN/TRANSFERASE: 14

STRUCTURAL GENOMICS, UNKNOWN FUNCTION, N: 1

TRANSPORT PROTEIN, SIGNALING PROTEIN: 3

DE NOVO PROTEIN, LIPID BINDING PROTEIN: 1

EXTRACELLULAR MATRIX: 3

CELL CYCLE, GENE REGULATION: 1

SIALIC ACID-BINDING PROTEIN: 1

TIANCIMYCIN-BINDING PROTEIN: 5

SIGNALING PROTEIN/PEPTIDE INHIBITOR: 2

ISOMERASE/BIOSYNTHETIC PROTEIN/RNA: 3

PHOSPHOTRANSFERASE/TRANSFERASE INHIBITOR: 1

CD36-BINDING PROTEIN,CELL ADHESION: 1

ANTIBODY, HYDROLASE: 1

METALLOENDOPEPTIDASE: 1

TRANSCRIPTION, VIRUS/VIRAL PROTEIN: 1

UNKNOWN FUNCTION, PROTEIN BINDING: 1

HYDROLASE/HORMONE: 14

APOCRUSTACYANIN: 1

LIGASE, HYDROLASE: 6

LIPID TRANSPORT: 150

TOXIN/HYDROLASE: 1

HYDROLASE, TOXIN: 8

COMPLEX (METALLOPROTEASE/INHIBITOR): 3

HYDROLASE, GENE REGULATION: 6

HYDROLASE/HYDROLASE SUBSTRATE: 26

ONCOPROTEIN, VIRUS/VIRAL PROTEIN: 2

LIGASE/CELL CYCLE: 1

HYBRID CLUSTER PROTEIN: 2

TRANSFERASE,HYDROLASE/TRANSPORT PROTEIN: 2

METAL TRANSPORT, MEMBRANE PROTEIN: 7

CARBOXYPEPTIDASE: 11

TRANSCRIPTION/SIGNALING PROTEIN: 2

APOPTOSIS, SIGNALING PROTEIN: 1

TRANSCRIPTION FACTOR/TRANSCRIPTION REGUL: 2

MOTOR PROTEIN/APOPTOSIS: 1

CONTRACTILE PROTEIN/ACTIN-BINDING PROTEI: 3

ISOMERASE/TRANSFERASE: 6

CELL CYCLE, HYDROLASE: 6

TRANSFERASE/ANTIBIOTIC: 118

HYDROLASE (PROTEASE): 1

TRANSPORT PROTEIN/HYDROLASE: 6

NUCLEOTIDYLTRANSFERASE: 38

GLUCONEOGENESIS: 1

ALU DOMAIN: 1

TRANSCRIPTIONAL STIMULATOR: 2

COMPLEX (PHOSPHOTRANSFERASE/ADENOSINE): 1

FATTY ACID-BINDING PROTEIN: 2

HYDROLASE, LYASE: 11

PLANT PROTEIN/RNA: 1

LIGASE(AMIDE SYNTHETASE): 3

ANTIMICROBIAL PEPTIDE: 3

PEPTIDE,TRANSFERASE: 1

REPLICATION REGULATOR: 4

FLUORESCENT PROTEIN, REPLICATION: 1

PROTEIN-BINDING PROTEIN: 2

PLANT LECTIN (AGGLUTININ): 3

APOPTOSIS, OXIDOREDUCTASE: 1

RAN BINDING PROTEIN/PEPTIDE: 1

IRON STORAGE: 15

HYDROLASE(GUANYLORIBONUCLEASE): 2

OXIDOREDUCTASE/TRANSLATION: 1

LYASE, BIOSYNTHETIC PROTEIN: 4

GLYCOSAMINOGLYCAN: 1

3-EPIMERASE: 1

EXOCYTOSIS: 14

COMPLEX (ACTIN-BINDING PROTEIN/PEPTIDE): 2

HORMONE/GROWTH FACTOR/MEMBRANE PROTEIN: 2

PEPTIDE BINDING PROTEIN/INHIBITOR: 2

OXYGEN TRANSPORT, OXYGEN BINDING: 1

NUCLEOTIDE BINDING PROTEIN/RNA: 1

BINDING PROTEIN, VIRAL PROTEIN: 3

OXYGEN STORAGE: 148

TRANSFERASE,TOXIN: 14

CONTRACTILE PROTEIN/TRANSPORT PROTEIN: 2

VIRAL PROTEIN/TRANSFERASE: 2

RECEPTOR/IMMUNE SYSTEM: 1

LAMININ G-DOMAIN PROTEIN: 1

METAL BINDING PROTEIN: 1275

SIGNALING PROTEIN, TRANSFERASE/INHIBITOR: 1

CONOTOXIN: 1

OXIDOREDUCTASE (NAD(A)-CHOH(D)): 14

STEROID BINDING: 1

TRANSFERASE/SIGNALING PROTEIN/INHIBITOR: 5

TRANSLATION/ANTIBIOTIC: 2

PROTEIN TRANSPORT, TOXIN: 4

VIRAL PROTEIN, STRUCTURAL PROTEIN: 1

NEURAMINIDASE: 1

IMMUNE SYSTEM/DNA/RNA: 1

CARBOHYDRATE-BINDING DOMAIN: 2

HYDROLASE(SERINE ESTERASE): 1

HYDROLASE/TRANSPORTER PROTEIN/PROTEIN BI: 2

OXIDOREDUCTASE (PQQ(A)-CHOH(D)): 1

PROTEIN SYNTHESIS INHIBITOR: 2

GTP-BINDING PROTEIN/GTP-BINDING PROTEIN: 2

MOTILITY: 1

CELL ADHESION/CELL INVASION: 1

TRANSFERASE / PROTEIN BINDING: 2

TRANSFERASE/TRANSCRIPTION REGULATOR: 3

CHAPERONE/INHIBITOR: 33

PROTEIN BINDING/MOTOR PROTEIN: 1

RECEPTOR/AGONIST: 1

COMPLEX (TRNA SYNTHETASE/HIS-ADENYLATE): 1

SORTING PROTEIN: 2

OXIDOREDUCTASE/TRANSCRIPTION REGULATOR: 3

OXIDOREDUCTASE(CH-OH(D)-CYTOCHROME(A)): 1

LIGHT HARVESTING COMPLEX: 1

COMPLEX (ISOMERASE/DEOXYADENOSINE): 1

TRANSCRIPTION/DNA/RNA/ANTIBIOTIC: 1

FLAVOPROTEIN, FLUORESCENT PROTEIN: 4

ISOMERASE, TRANSFERASE: 4

HYDROLASE(C-TERMINAL PEPTIDASE): 7

ISOMERASE/RNA: 5

ADP-RIBOSYLATION: 2

HISTOCOMPATIBILITY ANTIGEN: 3

FAMILY 1 BETA-GLUCOSIDASE COMPLEX: 1

MOTOR/FLUORESCENT PROTEIN: 2

TRANSPORT PROTEIN, CALCIUM BINDING PROTE: 1

TRANSFERASE/DNA BINDING PROTEIN: 8

TRANSFERRIN-BINDING PROTEIN: 2

HYDROLASE/TRANSPORT: 2

OXYGEN STORAGE/TRANSPORT: 279

PROTEIN TRANSPORT/METAL BINDING PROTEIN: 1

HYDROLASE/LIGASE: 3

VIRUS/CELL ADHESION: 1

TRANSPOSASE: 2

HYDROLASE/DNA/ANTIBIOTIC: 3

CYTOKINE, SIGNALING PROTEIN: 1

SIGNALING PROTEIN,LIPID BINDING PROTEIN: 1

NUCLEIC ACID BINDING PROTEIN: 4

BLOOD CLOTTING/PEPTIDE: 1

OXYGEN BINDING, TRANSPORT PROTEIN: 2

RNASE-2: 1

CELL-ADHESION: 1

ISOMERASE, PROTEIN BINDING: 8

LUMINESCENT PROTEIN: 106

TRANSLATION/TRANSFERASE: 1

TRANSFERASE/DNA, LYASE/DNA: 1

TRANSFERASE, TRANSCRIPTION/DNA: 1

VIRUS/DNA: 8

IRON-SULFUR-BINDING PROTEIN: 1

POLYKETIDE SYNTHASE: 1

METAL BINDING PROTEIN/DNA: 13

ELECTRON TRANSFER PROTEIN: 1

TRANSFERASE/IHIBITOR: 1

CELL CYCLE/TRANSFERASE: 5

WILLEBRAND: 1

IMMUNE SYSTEM: 2770

CALMODULIN: 1

HISTIDINE KINASE: 1

RECOMBINATION/DNA BINDING: 1

OXYGEN TRANSPORT,OXIDOREDUCTASE: 1

GLYCOPROTEIN: 38

TOXOFLAVIN BINDING PROTEIN: 2

TRANSCRIPTION/METAL BINDING PROTEIN: 1

RIM-BINDING PROTEIN: 2

MALTOSE-BINDING PROTEIN: 3

TRANSHERASE/TRANSFERASE INHIBITOR: 1

PROTEIN SYNTHESIS/TRANSFERASE: 1

PERIPLASMIC SUGAR RECEPTOR: 1

HYDROLASE/HYDRLOASE INHIBITOR: 1

ANTIFUNGAL PROTEIN: 14

THIAMINE-BINDING PROTEIN: 1

INTERFERON: 1

PROTEIN-BINDING: 11

GLUCOCORTICOID RECEPTOR: 2

KINASE/HYDROLASE: 1

TRANSPORT PROTEIN/INHIBITOR: 35

TRANSCRIPTION/VIRAL PROTEIN: 1

DNA REPAIR,OXIDOREDUCTASE/DNA: 1

SERINE PROTEASE, HYDROLASE: 2

METAL BINDING PROTEIN/TRANSFERASE: 12

MHC CLASS I: 1

SPLICING, TRANSCRIPTION: 1

CELL CYCLE/TRANSPORT PROTEIN: 1

CONTRACTILE PROTEIN, PROTEIN BINDING: 4

HYDROLASE(ENDORIBONUCLEASE): 42

LYASE/LYASE: 1

FLUORESCENT PROTEIN/INHIBITOR: 2

IMMUNE SYSTEM/TOXIN: 5

BIOSYNTHETIC PROTEIN,ISOMERASE: 1

HYDROLASE (METALLOPROTEASE): 12

FLUORESCENT PROTEIN, HYDROLASE: 1

RNA BINDING PROTEIN, TRANSCRIPTION: 2

RIBOSOME/RIBOSOME INHIBITOR: 3

LIGASE: 1767

TRANAFERASE/TRANSFERASE INHIBITOR: 1

HEPARIN-BINDING DOMAIN: 1

OXIDOREDUCTASE (NAD(A)): 1

TRANSFERASE (GLUTAMINE AMIDOTRANSFERASE): 3

TRANSPORT PROTEIN/LIPOPROTEIN: 1

VIRUS LIKE PARTICLE/SIGNALING PROTEIN: 1

TRANSCRIPTION,TRANSLATION,HYDROLASE: 1

LIPOPROTEINULLNTIGEN: 1

CONTRACTILE: 1

APOPTOSIS/IMMUNE SYSTEM: 3

HYDROLASE/APOPTOSIS: 1

CYTOCHROME: 2

COMPLEX (GROWTH FACTOR/GROWTH FACTOR): 1

ALLERGEN, LIPID BINDING PROTEIN: 1

CELL ADHESION/VIRAL PROTEIN: 1

MEMBRANE PROTEIN,TRANSPORT PROTEIN: 1

OXYGEN BINDING, METAL BINDING PROTEIN: 1

HYDROLASE (CARBOXYPEPTIDASE): 1

LIGASE,TRANSFERASE: 9

TRANSCRIPTION REGULATION/ANTIBIOTIC: 1

OXIDOREDUCTASE/ OXIDOREDUCTASE INHIBITOR: 1

HYDROLASE(PHOSPHORIC DIESTER): 12

TRANSPORT PROTEIN,IMMUNE SYSTEM: 1

IMMUNE SYSTEM, MEMBRANE PROTEIN: 8

TRANSCRIPTION/HYDROLASE: 3

DNA/ANTIBIOTIC: 34

CHITIN BINDING PROTEIN: 2

LYASE,OXIDOREDUCTASE/TRANSFERASE: 3

MEMBRANE PROTEIN, ION TRANSPORT: 1

EF-HAND PROTEIN: 3

TRANSFERASE (CARBAMOYL-P,ASPARTATE): 11

OXYGEN STORAGE/TRANSPORT PROTEIN: 5

GENE REGULATION/ANTITUMOR PROTEIN: 2

TRANSFERASE,SIGNALING PROTEIN: 3

RNA POLYMERASE: 5

GLUTATHIONE REDUCTASE: 1

SPLICING/RNA: 2

CHAPERONE/APOPTOSIS: 1

OXIDOREDUCTASE(ALDEHYDE(D)-NAD(A)): 3

TRANSLATION,PROTEIN TURNOVER: 1

COMPLEX (CHROMOSOMAL TRANSLOCATION/ADE): 1

OXYGEN TRANSPORT, OXYGEN STORAGE: 2

REPLICATION, HYDROLASE: 2

SIGNAL RECOGNITION: 5

LIGASE/RNA: 72

ELECTRON TRANSFER(IRON-SULFUR): 1

ANTIVIRAL PROTEIN/RNA: 2

COMPLEX (GROEL/GROES): 1

HYDROLASE,LYASE: 2

COMPLEX (LIGASE/TRNA): 1

COMPLEX (ISOMERASE/PROTEIN KINASE): 1

HYDROLASE INHIBITION: 1

DNA-BINDING RECEPTOR: 1

SUGAR-BINDING PROTEIN: 24

ACID ANHYDRIDE HYDROLASE: 1

PROTEIN TRANSPORT/CELL ADHESION: 1

HYDROLASE INHIBITOR/BLOOD CLOTTING: 1

SIDEROPHORE BINDING PROTEIN: 1

SIGNALING PROTEIN, CELL ADHESION: 1

REPLICATION: 137

TRANSFERASE/CELL CYCLE/INHIBITOR: 2

CHOLINE-BINDING PROTEIN: 16

CELL RECEPTOR RECOGNITION: 1

OXIDOREDUCTASE/RNA: 7

STRUCTURAL PROTEIN/DNA/TRANSFERASE: 1

VIRAL PROTEIN/RNA/TRANSFERASE: 1

COMPLEX(SERINE PROTEINASE-INHIBITOR): 7

ARTIFICIAL ENZYME: 1

ANION EXCHANGE: 2

RNA BINDING PROTEIN,HYDROLASE: 2

LIGASE/DNA/RNA: 1

COMPLEX(CALCIUM-BINDING PROTEIN/PEPTIDE): 1

VIRAL PROTEIN, FUSION PROTEIN: 1

CELL CYCLE, LIGAND BINDING PROTEIN: 1

DNA BINDING PROTEIN/GENE REGULATION: 1

CELL CYCLE,TRANSLATION: 1

PEPTIDASE: 1

COMPLEX (SERINE PROTEASE/INHIBITOR): 19

HYDROLASE, VIRAL PROTEIN: 5

UBIQUITIN CONJUGATION: 3

MYOSIN: 5

VIRUS/VIRAL PROTEIN/RNA: 1

APOPTOSIS, HYDROLASE: 4

PRENYLTRANSFERASE: 1

MONOOXYGENASE: 6

OXIDOREDUCTASE(CHOH(D)-NAD+(A)): 3

HYDROLASE, TRANSLATION: 1

PROTEIN TRANSPORT/MEMBRANE PROTEIN: 1

TELOMERE BINDING: 1

SH3-DOMAIN: 1

OXIDOREDUCTASE (SUPEROXIDE ACCEPTOR): 8

TRANSCRIPTION,TRANSFERASE/DNA-RNA HYBRID: 12

MEMBRANE PROTEIN, OXIDOREDUCTASE: 5

TRANSFERASE, HYDROLASE: 45

FAMILY 10 XYLANASE: 8

CELL CYCLE,HYDROLASE/CELL CYCLE: 2

VIRAL PROTEIN: 1669

CARBOXY-LYASE: 2

FATTY ACID BINDING PROTEIN: 3

TRANSFERASE, LYASE/DNA: 82

PROTEIN BINDING/BLOOD CLOTTING: 2

HYDROLASE ACTIVATOR/SIGNALING PROTEIN: 1

STRUCTURAL PROTEIN,TRANSFERASE: 1

LIPID BINDING PROTEIN, TRANSPORT PROTEIN: 1

OXYGEN BINDING PROTEIN: 4

SIGNALING PROTEIN,APOPTOSIS/HYDROLASE: 1

CALCIUM BINDING: 10

COMPLEMENT FACTOR: 2

HORMONE/GROWTH FACTOR: 158

S-ADENOSYLMETHIONINE DECARBOXYLASE: 1

VIRAL PROTEIN / INHIBITOR: 2

IMMUNE SYSTEM/CARBOHYDRATE BINDING PROTE: 2

HYDROLASE, IMMUNE SYSTEM: 3

VIRAL PROTEIN, REPLICATION: 2

RNA: 690

CONTRACTILE PROTEIN: 147

PANCREATIC RIBONUCLEASE: 1

COMPLEX (ACETYLATION/ACTIN-BINDING): 1

HYDROLASE/RNA/DNA: 53

TRANFERASE/DNA/RNA: 1

DNA-BINDING PROTEIN: 43

OXIDOREDUCTASE(OXYGENASE): 22

ADENOSINE BINDING PROTEIN: 1

CIRCADIAN CLOCK PROTEIN, TRANSFERASE: 10

IMMUNE SYSTEM/ISOMERASE: 1

PROTON TRANSPORT,MEMBRANE PROTEIN: 1

OXIDOREDUCTASE/ELECTRON TRANSFER: 2

RECEPTOR/GLYCOPROTEIN: 1

IMMUNE SYSTEM / RNA: 1

METAL BINDING PROTEIN, DE NOVO DESIGN: 1

HYDROLASE/CHAPERONE: 4

PURINE BIOSYNTHESIS: 2

OUTER MEMBRANE PROTEIN: 7

HYDROLASE(ACTING ON ACID ANHYDRIDES): 10

IMMUNE SYSTEM / INHIBITOR: 1

TRANSFERASE/REPLICATION: 2

GENE REGULATION, APOPTOSIS: 1

METAL-BINDING PROTEIN/INHIBITOR: 1

PROTEIN TURNOVER/ENDOCYTOSIS: 2

IMMUNE SYSTEM, VIRAL PROTEIN: 1

OXIDOREDUCTASE (ALDEHYDE(D)-NAD(A)): 1

COMPLEX(PROTEINASE/INHIBITOR): 5

HYDROLASE, LIGASE/DNA: 2

SIGNALING PROTEIN/GTP-BINDING PROTEIN: 6

THIOLASE: 1

ANTIVIRAL PROTEIN/HYDROLASE: 3

LYASE, PROTEIN BINDING, PHOTOSYNTHESIS: 3

RECEPTOR: 95

REPLICATION/REPLICATION INHIBITOR: 7

OXIDOREDUCTASE (ALDEHY(D)-NAD(A)): 1

COMPLEX (OXIDOREDUCTASE/SUBSTRATE): 1

BETA-AMYLASE: 1

LIGASE/LIGASE ACTIVATOR: 1

UBIQUITIN BINDING PROTEIN: 1

GLYCOLYTIC PATHWAY: 1

LIPASE: 6

FLUORESCENT PROTEIN, TRANSCRIPTION: 1

IMMUNE SYSTEM/METAL TRANSPORT: 4

TOXIN RECEPTOR/TOXIN: 1

TOXIN/INHIBITOR: 4

TRANSFERASE,REPLICATION/DNA: 1

CNMP-BINDING PROTEIN: 1

INTRAMOLECULAR OXIDOREDUCTASE: 2

REPLICATION, SIGNALING PROTEIN: 4

PHOSPHORYLASE: 3

HORMONE/HORMONE ACTIVATOR: 3

ATPASE/MYOSIN: 1

OUTER MEMBRANE: 1

TRANSPORT PROTEIN/PROTEIN BINDING: 1

OXIDOREDUCTASE(CHNH2(D)-DEAMINATING): 2

COMPLEX (TRANSFERASE/SUBSTRATE): 1

NON-HEME IRON PROTEIN: 1

MEMBRANE PROTEIN/PEPTIDE BINDING PROTEIN: 1

VIRUS: 225

COMPLEX (BIOTIN-BINDING PROTEIN/PEPTIDE): 12

PEROXIDASE (DONOR:H2O2 OXIDOREDUCTASE): 5

OXIDOREDUCTASE/METAL BINDING PROTEIN: 13

ELECTRON TRANSPORT (COPPER BINDING): 1

LIPID KINASE: 1

STRUCTURAL GENOMICS/UNKNOWN FUNCTION: 12

OXYGEN BINDING/TRANSPORT PROTEIN: 2

LIGHT-HARVESTING PROTEIN: 3

HEMOPROTEIN: 3

ELECTRON TRANSPORT PROTEIN: 5

BLOOD CLOTTING: 151

TOXIN,LYASE/METAL BINDING PROTEIN: 3

MEMBRANE ADHESION: 1

PHOSPHATE BINDING PROTEIN: 2

GALECTIN: 1

TRANSPORT PROTEIN, OXYGEN BINDING: 2

LEUCOTOXIN: 1

RETINOL-BINDING: 1

OXGENASE: 1

THIAMINE BINDING PROTEIN/INHIBITOR: 1

BILIN BINDING: 1

TRANSCRIPTION/ANTAGONIST: 2

METAL TRANSPORT/MEMBRANE PROTEIN: 2

HYDROLASE, RNA BINDING PROTEIN: 3

CELL ADHESION/CELL CYCLE: 1

OXIDOREDUCTASE,ISOMERASE: 1

OXIDOREDUCTASE COMPLEX: 1

LYASE (OXO-ACID): 22

MOTOR PROTEIN,CELL CYCLE: 1

ISOMERASE,OXIDOREDUCTASE: 1

ALLERGEN, OXIDOREDUCTASE: 2

RNA-BINDING PROTEIN/HYDROLASE: 1

MEMBRANE PROTEIN, CELL ADHESION: 1

HYDRID PROTEIN: 1

HYDROLASE(SULFHYDRYL PROTEINASE): 1

TRANSCRIPTION / STRUCTURAL PROTEIN: 1

THIAMINE BINDING PROTEIN: 3

HYDROLASE, RNA: 1

HYDROLASE ANGIOGENESIS: 1

BACTERIAL ANTIBIOTIC RESISTANCE: 1

TRANSFERASE/PROTEIN BINDING/INHIBITOR: 1

ZINC-FINGER PROTEIN: 1

DNA BINDING PROTEIN/APOPTOSIS: 6

VIRUS/VIRAL PROTEIN/ANTIBIOTIC: 1

VIRAL PROTEIN/DE NOVO PROTEIN: 2

COMPLEX (HORMONE/RECEPTOR): 1

DNA REPLICATION: 4

COMPLEX (MHC I/PEPTIDE): 1

CHAPERONE: 779

MAST CELL DEGRANULATION: 1

LIGASE(SYNTHETASE): 1

TRANSPORT PROTEIN, STRUCTURAL PROTEIN: 1

TRANSFERASE, CELL CYCLE: 8

METAL TRANSPORT INHIBITOR/RECEPTOR: 1

HYDROLASE/HYDROLASE INHIBITOR/RNA: 2

METALLOCARBOXYPEPTIDASE: 1

GENE REGULATION/TRANSFERASE: 1

METAL TRANSPORT/CALCIUM BINDING PROTEIN: 3

CYTOKINE/TRANSFERASE: 2

RNA BINDING PROTEIN / RNA: 1

PROTEIN BINDING/ACTIVATOR: 17

MYELOPEROXIDASE: 2

APOPTOSIS, TRANSLATION: 1

STRUCTURAL PROTEIN, RNA BINDING PROTEIN: 3

CYTOKINE/INHIBITOR: 5

SIGNALING PROTEIN / CYTOKINE: 1

TRANSFERASE (PHOSPHOTRANSFERASE): 4

PROTEIN BINDING, LIGASE/HYDROLASE: 1

PHEROMONE: 1

VIRAL PROTEIN/ ANTITUMOR PROTEIN: 1

NEUROTOXIN (POST-SYNAPTIC): 1

CIRCADIAN CLOCK PROTEIN/TRANSCRIPTION: 1

TRANSCRIPTION RECEPTOR/COACTIVATOR: 1

METAL-BINDING PROTEIN: 18

FLUORESCENT PROTEIN/IMMUNE SYSTEM: 1

TRANSPORT PROTEIN / MEMBRANE PROTEIN: 1

IMMUNE SYSTEM/CELL ADHESION: 2

HYDROLASE(CARBOXYLIC ESTERASE): 17

SH3 DOMAIN: 4

OXIOREDUCTASE: 1

OXIDOREDUCTASE, ELECTRON TRANSPORT: 14

ADHESION: 1

LECTIN: 132

TRANSFERASE (GLUCOSYLTRANSFERASE): 1

PENICILLIN BINDING: 1

LIGASE/ACTIVATOR: 1

SIGNALING PROTEIN/AGONIST: 13

CELL CYCLE, ANTITUMOR PROTEIN: 1

COMPLEX (PROTO-ONCOGENE/EARLY PROTEIN): 2

TRANSCRIPTION/TRANSCRIPTION ACTIVATOR: 12

HYDROLASE (ASPARTIC PROTEASE): 1

STRUCTURAL PROTEIN/STRUCTURAL PROTEIN: 3

DE NOVO PROTEIN, RNA BINDING PROTEIN: 2

MANNOSE BINDING PROTEIN: 4

DNA BINDING PROTEIN/REPLICATION: 2

RNA AND DNA BINDING PROTEIN/DNA: 1

MEMBRANE PROTEIN/CALCIUM BINDING PROTEIN: 1

ANGIOGENESIS INHIBITOR: 4

CONCANAVALIN A: 1

PROTEIN BINDING/TOXIN: 3

SUGAR BINDING PROTEIN: 1

PROTON PUMP: 1

SIGNALING PROTEIN/LIPOPROTEIN: 1

BIOTIN BIOSYNTHESIS: 2

APOPTOSIS REGULATOR/INHIBITOR: 5

DE NOVO PROTEIN, MEMBRANE PROTEIN: 3

RIBONUCLEIC ACID: 2

HYDROLASE4/HYDROLASE INHIBITOR: 1

IRON STORAGE AND ELECTRON TRANSPORT: 1

METAL BINDING PROTEIN/RNA: 1

UBIQUITIN-CONJUGATING ENZYME: 1

DNA-BINDING REGULATORY PROTEIN: 2

SUGAR BINDING PROTEIN/LIGASE: 1

ALDOLASE (CLASS II): 7

IMMUNE SYSTEM/TRANSFERASE: 7

MOLYBDENUM-IRON PROTEIN: 1

MOLYBDOPTERIN NUCLEOTIDYL-TRANSFERASE: 1

ROTAMASE: 3

UNKNOWN FUNCTION/INHIBITOR: 1

MEMBRANE: 1

CELL ADHESION/TOXIN: 10

LIGASE/TRNA: 1

RNA BINDING PROTEIN/DNA/RNA: 2

HORMONE/GROWTH FACTOR RECEPTOR, LYASE: 1

CARBOHYDRATE BINDING PROTEIN/INHIBITOR: 7

VIB BINDING PROTEIN: 1

ELECTRON TRANSPORT (FLAVO PROTEIN): 1

RECOMBINATION, REPLICATION: 1

STEROID BINDING PROTEIN/PROTEIN BINDING: 1

CARBOXYLIC ESTER HYDROLASE ZYMOGEN: 1

DEFENSIN: 1

PROTEIN BIOSYNTHESIS: 1

HYDROLASE/INHIBITOR: 164

CYTOKINE/IMMUNE SYSTEM: 8

HYDROLASE/CARBOHYDRATE: 6

STRUCTURAL PROTEIN/ACTIN-BINDING PROTEIN: 1

ARGININE-BINDING PROTEIN: 1

TRANSPORT/DNA BINDING/DNA: 1

STRUCTURAL PROTEIN, CELL ADHESION: 3

BACTERICIDAL: 1

ADOMET BINDING PROTEIN: 4

SIGNALING PROTEIN/IMMUNE SYSTEM: 12

HYDROLASE / HYDROLASE INHIBITOR: 1

ALBICIDIN BINDING PROTEIN: 1

CELL ADHESION, SIGNALING PROTEIN: 4

MOLYBDENUM COFACTOR BIOSYNTHESIS: 5

MEMBRANE PROTEIN/AGONIST: 8

TRANSLATION/REGULATION PROTEIN: 1

ADHESION GLYCOPROTEIN: 1

HYDROLASE/LIPID TRANSPORT: 1

NUCLEAR HORMONE RECEPTOR: 2

CELL ADHESION, CELL INVASION: 2

TOXIN/LECTIN: 2

CONTRACTILE PROTEIN/PROTEIN TRANSPORT: 1

TRIOSE PHOSPHATE ISOMERASE: 1

VIRAL PROTEIN, PROTEIN TRANSPORT: 2

TRANSCRIPTIONAL REGULATORY PROTEIN: 1

TRANSFERASE/LIPID BINDING PROTEIN: 3

EPIMERASE: 4

RIBOSOME/INHIBITOR: 2

COMPLEX (ENDONUCLEASE/INHIBITOR): 1

PROTEIN TRANSPORT/SPLICING: 1

TRANSFERASE/OXIDOREDUCTASE: 2

PROTEIN TRANSPORT, SIGNALING PROTEIN: 1

HYDROLASE/SUGAR BINDING PROTEIN: 4

IMMUNE SYSTEM/OXIDOREDUCTASE: 5

TRANSCRIPTION, TRANSFERASE/DNA/RNA: 8

HYDROLASE-HYDROLASE INHIBITOR: 2

ANTIFREEZE: 2

PROTEIN BINDING: 1006

COMPLEX (PHOSPHOTRANSFERASE/RECEPTOR): 1

COMPLEX(SERINE ESTERASE/INHIBITOR): 1

HORMONE BINDING PROTEIN/INHIBITOR: 4

METHANOGENESIS: 5

TRANSPORT PROTEIN/CONTRACTILE PROTEIN: 2

AMP-BINDING PROTEIN: 1

HYDROLASE REGULATOR, DNA BINDING PROTEIN: 1

HALOPEROXIDASE: 14

TRANSFERASE/RIBOSOMAL PROTEIN/RNA: 1

PLANT SEED STORAGE PROTEIN(VICILIN): 1

CIRCADIAN CLOCK PROTEIN: 24

PLANT DEFENSIN: 1

TOXIN/TOXIN REPRESSOR: 2

ELECTRON TRANSPORT PROTEINS: 2

OXIDOREDUCTASE/LYASE: 1

FOUR HELIX BUNDLE: 3

TRANSFERASE, HYDROLASE/DNA/INHIBITOR: 1

RNA, DNA: 2

ACUTE-PHASE PROTEIN: 1

VASODILATOR: 1

PERIPLASMIC BINDING PROTEIN: 12

BIOSYNTHETIC PROTEIN: 413

SYNTHETIC PROTEIN MODEL: 1

ANTIVIRAL PROTEIN, RECOMBINATION: 1

CARBOHYDRATE BINDING PROTEIN: 21

SIGNALING PROTEIN, STRUCTURAL PROTEIN: 1

HYDROLASE (ALKALINE PHOSPHATASE): 1

SIGNALING PROTEIN,TRANSFERASE/CELL CYCLE: 2

TRANPORT PROTEIN/INHIBITOR: 2

TRANSCRIPTION REGULATOR/INHIBITOR: 14

G PROTEIN: 3

HYDROLASE/CALCIUM BINDING PROTEIN: 1

HYDROLASE/HYDROLASE/RNA: 1

ENDOGLUCANASE: 3

HYDROLASE, DNA BINDING PROTEIN: 4

METAL BINDING PROTEIN/OXIDOREDUCTASE: 1

MEMBRANE PROTEIN,PEPTIDE BINDING PROTEIN: 2

CONTRACTILE PROTEIN/METAL BINDING: 1

STRUCTURAL GENOMICS, ALDOLASE: 1

METAL BINDING PROTEIN/SIGNALING PROTEIN: 2

LYASE,TRANSFERASE: 7

ISOMERASE(INTRAMOLECULAR OXIDOREDUCTASE): 51

TRANSFERASE, BIOSYNTHETIC PROTEIN: 2

HYDROLASE/RECEPTOR/INHIBITOR: 2

DECARBOXYLASE: 1

FATTY ACID METABOLISM: 1

SIGNALING PROTEIN/HORMONE: 2

OXIDOREDUCTASE/METAL TRANSPORT: 23

PROTEIN TRANSPORT/TRANSFERASE: 3

PROTEIN BINDING/PEPTIDE: 5

METAL BINDING PROTEIN, PROTEIN BINDING: 5

ACETYLCHOLINE BINDING PROTEIN: 10

PROTEIN TRANSPORT/IMMUNE SYSTEM: 3

ATPASE: 1

NUCLEAR PROTEIN/ANTAGONIST: 2

HYDROLASE (0-GLYCOSYL): 1

CALCIUM BINDING PROTEIN/PROTEIN BINDING: 2

TRANSCRIPTION,TRANSFERASE/DNA/RNA HYBRID: 5

RECOMBINATION/REPLICATION/LIGASE: 1

FLUORESCENT PROTEIN, ELECTRON TRANSPORT: 1

HYDROLASE(PHOSPHORIC DIESTER,RNA): 12

MEMBRANE PROTEIN/INHIBITOR: 22

SIGNALING PROTEIN, CELL CYCLE: 4

RRNA BINDING PROTEIN/RNA: 1

RAN-BINDING PROTEIN: 1

TRANSPORT PROTEIN/SUBSTRATE: 1

HELICASE: 3

CATALYTIC ANTIBODY: 15

ISOMERASE/ANTIBIOTIC: 1

OXIDOREDUCTASE(NAD(A)-CHOH(D)): 15

DESIGNED HELICAL BUNDLE: 1

CHEMOKINE BINDING PROTEIN/CHEMOKINE: 1

APOPTOSIS/SIGNALING PROTEIN: 2

STRUCTURAL PROTEIN/CHAPERONE: 3

BIOSYNTHETIC PROTEIN/SIGNALING PROTEIN: 4

CELL CYCLE, REPLICATION: 1

DNA BINDING PROTEIN, SUGAR BINDING PROTE: 1

TRANSFERASE (FORMYL): 1

REPLICATION/DNA/RNA: 1

IMMUNE SYSTEM RECEPTOR: 5

ACETYLTRANSFERASE: 2

TRANSPORT PROTEIN,STRUCTURAL PROTEIN: 1

COMPLEX (GTPASE-ACTIVATING/GTP-BINDING): 1

HYDROLASE(ASPARTYL PROTEINASE): 1

TRANSFERASE/ONCOPROTEIN: 1

STRUCTURAL GENOMICS,TRANSFERASE: 1

SUGAR BINDING PROTEIN, HORMONE RECEPTOR: 1

CONDENSING ENZYMES: 1

TOXIN/RNA: 3

PHOTOSYNTHETIC REACTION CENTER: 16

SIGNALING PROTEIN/HYDROLASE: 18

HYDROLASE, LIGAND BINDING PROTEIN: 1

COMPLEX (HYDROLASE (O-GLYCOSYL)/CYS): 1

FAD-BINDING PROTEIN: 4

ACYL-COA BINDING PROTEIN: 1

HORMONE RECEPTOR, HYDROLASE REGULATOR: 1

LIGASE/BIOTIN BINDING PROTEIN: 1

VIRAL PROTEIN/RECEPTOR: 1

PEPTIDE BINDING PROTEIN/VIRAL PROTEIN: 2

BACTERIAL AMIDOHYDROLASE: 2

COMPLEX (PROTO-ONCOGENE/PEPTIDE): 1

ELECTRON TRANSFER(FLAVOPROTEIN): 1

PX DOMAIN: 1

TRANSFERASE/TRANSCRIPTION/INHIBITOR: 8

ANTIVIRAL PROTEIN/VIRAL PROTEIN: 1

LECTIN/IMMUNE SYSTEM: 2

DNA EXCISION REPAIR: 1

MHC II: 1

LYASE/ANTIBIOTIC: 2

ISOMERASE, PROTEIN BINDING/INHIBITOR: 1

HYDROLASE/VIRAL PROTEIN: 13

CHOLESTEROL BINDING PROTEIN: 1

SIGNALING PROTEIN, HORMONE: 1

TRANSPORT: 48

MOTOR PROTEIN/HYDROLASE: 1

NUCLEOSIDE PHOSPHORYLASE: 1

VIRAL PROTEIN,HYDROLASE: 2

COLLAGEN BINDING PROTEIN: 1

IMMUNE SYSTEM/GENE REGULATION: 2

CELL CYCLE REGULATORY PROTEIN: 1

CYTOKINE/VIRAL PROTEIN: 1

TRANSCRIPTION, TRANSFERASE/DNA-RNA HYBRI: 7

OXIDOREUCTASE: 1

PROTEIN/PEPTIDE: 1

PROTEIN BINDING, INHIBITOR: 2

CELLULOSE BINDING PROTEIN: 2

RIBOFLAVIN SYNTHASE: 1

OXIDOREDUCTASE, HYDRLOASE: 2

HYDROLASE (PROTEINASE): 1

SOS MUTAGENESIS: 1

RACEMASE: 8

PROTEIN BINDING/METAL BINDING PROTEIN: 5

SUGAR BINDING PROTEN: 1

SUGAR BINDING PROTEIN, PEPTIDE BINDING P: 3

ANTIBIOTIC/PEPTIDE: 2

ACTIN-BINDING PROTEIN: 13

SIGNALING PROTEIN, LIPID TRANSPORT: 1

HORMONE RECEPTOR/ACTIVATOR: 2

VIRUS LIKE PARTICLE: 12

TPP BINDING PROTEIN: 3

HYDROLASE(PHOSPHORYLATION): 1

TRANSFERASE/GENE REGULATION: 3

TRANSLATION/TRANSPORT PROTEIN: 1

METAL-BINDING PROTEIN,TRANSCRIPTION/DNA: 1

COMPLEX (METHYLTRANSFERASE/PEPTIDE): 1

PLP-BINDING PROTEIN: 3

ELECTRON TRANSPORT (HEME PROTEIN): 10

COMPLEX (ISOMERASE/PEPTIDE): 4

HYDROLASE, TRANSFERASE/DNA: 1

HYDROLASE (ACTING ON ACID ANHYDRIDES): 2

VIRAL PROTEIN, DNA BINDING PROTEIN: 1

PROTEIN BINDING/TRANSCRIPTION: 2

ONCOGENE PROTEIN: 19

LIGASE/SIGNALLING PROTEIN: 1

ONCOPROTEIN: 65

DNA-RNA HYBRID: 15

GLUTAMINE AMIDOTRANSFERASE: 2

TRANSPORT, TRANSFERASE: 1

RIBOSOME INHIBITOR, HYDROLASE: 3

MEMBRANE PROTEIN/PROTEIN BINDING: 2

SUPEROXIDE DISMUTASE: 2

HYDROLASE / RNA / DNA: 4

TRANSFERASE/ANTITOXIN: 2

VIRUS PROTEIN: 1

OXYGEN TRANSPORT: 459

PROTEIN TRANSPORT, MEMBRANE PROTEIN: 2

TRANSCRIPTION ACTIVATOR: 18

PROTEIN BINDING, IMMUNE SYSTEM: 1

COMPLEX (GLYCOSIDASE/INHIBITOR): 1

CELL CYCLE/CELL CYCLE/CELL CYCLE: 1

PROTEIN BINDING, SIGNALING PROTEIN: 7

PHOSPHOLIPID ANALOG: 1

HYDROLASE: 19328

TRANSCRIPTION REPRESSOR, CELL CYCLE: 1

OXIDOREDUCTASE/CHAPERONE: 1

TETRAHYDROBIOPTERIN BIOSYNTHESIS: 2

HYDROLASE/DNA-RNA HYBRID: 3

GAMMA-CARBOXYGLUTAMIC ACID: 1

VIRAL PROTEIN/RECEPTOR/IMMUNE SYSTEM: 1

CELL INVASION: 66

AGGLUTININ: 1

COMPLEX (THIAZOLIDINEDIONE/RECEPTOR): 1

TRANSCRIPTION, DNA BINDING: 1

TRANSFERASE(GLUCOSYLTRANSFERASE): 1

PI(4)P-BINDING PROTEIN: 1

PROTEIN BINDING/INHIBITOR: 78

REPLICATION, DNA BINDING PROTEIN: 2

HYDROLASE, TOXIN/PROTEIN TRANSPORT: 2

PROTEIN/RNA COMPLEX: 1

METAL-BINDING PROTEIN/NUCLEAR PROTEIN: 1

LIGASE, APOPTOSIS: 3

STRUCTURAL GENOMICS, TRANSCRIPTION: 1

MACROPHAGE SECRETORY PROTEIN: 1

COENZYME A BIOSYNTHESIS: 1

HEXOKINASE: 2

PROTEIN BINDING, DE NOVO PROTEIN: 2

CARBOXYLIC ESTER HYDROLASE: 10

COPPER BINDING PROTEIN: 1

LIPID TRANSPORT, MEMBRANE PROTEIN: 1

CHLOROPLASTIC MALATE DEHYDROGENASE: 1

HYDROLASE, HYDROLASE ACTIVATOR: 1

INTRAMOLECULAR OXIDOREDUCTASE DEAMINASE: 2

TELOMERASE-BINDING PROTEIN: 1

TRANSLATION, TRANSFERASE/RNA: 9

MOTOR PROTEIN: 204

APOPTOSIS/INBITITOR: 1

TRANSFERASE/TRANSFERASE: 2

HYDROLASE/HYROLASE INHIBITOR: 3

VIRAL PROTEIN/IMMUNE SYSTEM: 191

HYDROLASE/NUCLEAR PROTEIN: 2

LIGASE, PROTEIN BINDING: 1

STRUCTURAL GENOMICS, UNKNOWN FUNCTION: 2

CHROMOSOMAL TRANSLOCATION: 2

TRANSFERASE,HYDROLASE/INHIBITOR: 4

TRANSCRIPTION/TRANSFERASE/ANTIBIOTIC: 1

HYDROLASE (SULFHYDRYL PROTEINASE): 4

ISOMERASE, LYASE: 9

PEPTIDE BINDING PROTEIN/TOXIN: 1

TOXIN, TRANSFERASE/TRANSFERASE INHIBITOR: 1

HYDROLASE INHIBITOR(SERINE PROTEINASE): 1

TRANSCRIPTION, LIGAND BINDING PROTEIN: 1

CARBOHYDRATE BINDING: 2

TRANSFERASE RECEPTOR/SIGNALLING PROTEIN: 1

OXIDOREDUCTASE/STRUCTURAL PROTEIN: 7

HYDROLASE, TRANSCRIPTION REGULATION: 1

OXIDOREDUCTASE/CHAPERON: 1

ISOMERASE/INHIBITOR: 14

TRANSCRIPTION TERMINATION: 1

LYASE/LYASE SUBSTRATE: 9

RNA/IMMUNE SYSTEM: 3

LIGASE / PROTEIN BINDING: 1

OXIDOREDUCTASE(OXYGEN ACCEPTOR): 1

COPPER-BINDING PROTEIN: 5

HYDROLASE(BETA-LACTAMASE): 1

CHORISMATE MUTASE: 2

GTP BINDING PROTEIN: 8

PROTEIN BINDING/RNA: 2

HYDROLASE (SERINE PROTEINASE): 27

OXIDOREDUCTASE, NUCLEAR PROTEIN: 1

TRANSCRIPTION, DNA BINDING PROTEIN: 2

TRANSCRIPTION REPRESSION: 1

DETOXIFICATION ENZYME: 1

PROTEIN BINDING/CALCIUM-BINDING PROTEIN: 1

COMPLEX (SKELETAL MUSCLE/MUSCLE PROTEIN): 1

STRUCTURAL GENOMICS, TRANSFERASE: 1

HYDROLASE/ HYDROLASE INHIBITOR: 2

TRANSCRIPTION/TRANSFERASE/INHIBITOR: 1

TRANSCRIPTION/PROTEIN BINDING/INHIBITOR: 3

HISTONE-BINDING PROTEIN: 2

RECOMBINATION/DNA: 41

REPLICATION DNA BINDING PROTEIN: 1

HYDROLAST/HYDROLASE INHIBITOR: 1

SUGAR BINDING PROTEIN/IMMUNE SYSTEM: 2

COMPLEX (MHC CLASS II/SUPERANTIGEN): 1

PROTEASE INHIBITOR: 8

MOTOR PROTEIN/CALCIUM BINDING PROTEIN: 3

TRANSFERASE/GROWTH FACTOR: 2

ANTIBIOTIC BIOSYNTHESIS: 10

METAL BINDING PROTEIN/TOXIN: 1

MUTATOR PROTEIN: 1

RECEPTOR PROTEIN: 2

HYDROLASE, TRANSFERASE: 28

LIGASE/APOPTOSIS: 1

HORMONE RECEPTOR, SIGNALING PROTEIN: 1

MONOCLONAL ANTIBODY: 1

HEME PROTEIN: 4

FLAVOPROTEIN,SIGNALING PROTEIN: 2

PROTEIN BINDING/STRUCTURAL PROTEIN: 2

OXIDOREDUCTASE(FLAVOPROTEIN): 5

SUGAR BINDING PROTEIN, HYDROLASE: 2

ANTIMICROBIAL: 2

STRUCTURAL PROTEIN/PROTEIN BINDING: 5

GLYCOSIDE HYDROLASE: 2

PROTEIN BINDING/CELL ADHESION: 1

NITROGEN FIXATION: 2

HYDROLASE/TRANSFERASE/RNA: 1

OXYGENASE: 5

DNA LIGASE/DNA, TRANSFERASE: 4

ANTITUMOR PROTEIN: 35

METAL BINDING, RNA BINDING PROTEIN: 2

PLASMID: 2

IMMUNE SYSTEM/ VIRAL PROTEIN: 1

COMPLEX (DNA BINDING PROTEIN/PEPTIDE): 2

RNA BINDING PROTEIN/STRUCTURAL PROTEIN: 1

TRANCRIPTION CO-REPRESSOR: 1

REGULATOR OF COMPLEMENT PATHWAY: 7

PHOSPHOINOSITIDE 3-KINASE GAMMA: 4

OXIDOREDUCTASE (H2O2(A)): 10

VIRAL PROTEIN, TRANSCRIPTION: 7

POTASSIUM CHANNEL: 1

CHAPERONE/CHAPERONE: 1

DNA BINDING PROTEIN/DNA: 275

TRANSFERASE/HYDROLASE/INHIBITOR: 10

OXIDODREDUCTASE/COPPER BINDING PROTEIN: 1

TRANSCRIPTION / TRANSCRIPTION INHIBITOR: 1

METAL BINDING PROTEIN, SIGNALING PROTEIN: 1

ABSCISIC ACID BINDING PROTEIN: 1

GLUTATHIONE TRANSFERASE: 2

TRANSFERASE (ACYLTRANSFERASE): 7

HYDROLASE(PHOSPHORIC MONOESTER): 11

COMPLEX (TOXIN/PEPTIDE): 1

ISOMERASE/STRUCTURAL PROTEIN: 1

CELLULOSOME: 1

LYASE, OXIDOREDUCTASE: 3

MEMBRANE PROTEIN/TRANSPORT PROTEIN: 10

TRANSCRIPTION/TRANSCRIPTION AGONIST: 3

ACTIN-BINDING: 1

ACYLPHOSPHATASE: 1

STRUCTURAL GENOMICS, METAL BINDING PROTE: 1

TRANSFERASE, LIGASE: 1

VIRAL PROTEIN, TRANSFERASE: 6

NUCLEOTIDE-BINDING PROTEIN: 13

STRUCTURAL PROTEIN/INHIBITOR: 13

TRANSCRIPTIONAL COACTIVATOR: 1

SIGNALING PROTEIN, TRANSFERASE: 49

DNA RECOMBINATION/DNA: 1

PROTEIN BINDING/ NUCLEAR PROTEIN: 1

BINDING PROTEIN/HYDROLASE: 1

METAL BINDING PROTEIN/TRANSLATION: 1

IMMUNE SYSTEM,HYDROLASE INHIBITOR: 1

LYSINE BINDING SITE: 1

IMMUNE SYSTEM/PEPTIDE INHIBITOR: 4

SIGNALING PROTEIN / HYDROLASE: 1

RECEPTOR/DNA: 1

APOPTOSIS/CELL ADHESION: 1

TRANSFERASE/TRANSFERASE INHIBITO: 1

TRANSFERASE, TRANSCRIPTION: 3

PROTEIN TURNOVER, LIGASE: 1

OXIDOREDUCTASE: 12241

T CELL RECEPTOR: 1

LIGASE/TRANSPORT PROTEIN: 1

HYDROLASE (ACID PROTEINASE): 7

OXYGEN TRANSPORT/TRANSPORT PROTEIN: 1

MEMBRANE PROTEIN, LIPID TRANSPORT: 2

OXIOREDUCTASE/SUBSTRATE: 1

STEROL BINDING PROTEIN: 1

VIRAL PROTEIN/INHIBITOR: 52

TOPOISOMERASE: 3

OXIDOREDUCTASE/SUBSTRATE: 7

OXIDOREDUCTASE/BIOSYNTHETIC PROTEIN: 3

MEMBRANE PROTEIN/EXOCYTOSIS: 1

CHAPERONE/PROTEIN TRANSPORT: 1

SIGANLING PROTEIN,TRANSFERASE: 1

TRANSPORT (THYROXINE): 1

BLOOD CLOTTING/HYDROLASE INHIBITOR: 25

SERINE PROTEASE: 77

PLASMINOGEN ACTIVATION: 2

AVIDIN-RELATED PROTEIN: 1

STRESS PROTEIN/LIPOCALIN: 2

TRANSFERASE/VIRAL PROTEIN/RNA: 1

CELL ADHESION, METAL BINDING PROTEIN: 2

TRANSFERASE/INHIBITOR: 192

HYDROLASE/CELL CYCLE: 1

DEHYDRATASE: 11

DE NOVO PROTEIN/TRANSFERASE: 1

TRANSCRIPTION FACTOR/HORMONE: 2

TRANSLATION, RNA BINDING PROTEIN: 3

LYASE ACTIVATOR: 4

OXIDO-REDUCTASE: 8

TRANSFERASE/SPLICING: 1

STRUCTRUAL PROTEIN/HYDROLASE: 1

HYDROLASE (ACID PROTEASE): 11

TRANSFERASE, VIRAL PROTEIN: 3

PROGESTERONE RECEPTOR: 1

THANSFERASE/DNA: 2

LYASE,ISOMERASE: 2

RIBOSOMAL PROTEIN/RNA: 7

ASPARTYL PROTEASE: 28

NUCLEAR PROTEIN RECEPTOR: 2

SIGNALING PROTEIN/RHOA-BINDING PROTEIN: 3

OXIDOREDUCTASE (CH-OH(D)-NAD(A)): 1

COLLAGEN TYPE VI FRAGMENT: 1

FLAVIN: 1

CALCIUM/PHOSPHOLIPID-BINDING PROTEIN: 7

TRANSPORT PROTEIN: 2757

SULFURTRANSFERASE: 2

FIMBRIAL PROTEIN: 4

FOLATE BINDING PROTEIN: 1

LIGASE/LIGASE/SIGNALLING PROTEIN: 1

H3K4ME3 BINDING PROTEIN, TRANSFERASE: 6

TRANSFERASE, SUGAR BINDING PROTEIN/SUBST: 1

STEROID-BINDING PROTEIN: 2

RECOMBINATION/INHIBITOR: 13

RNA BINDING PROTEIN, HYDROLASE: 2

OXIDOREDUCTASE/PEPTIDE INHIBITOR: 1

TRANSFERASE, CHAPERONE/GENE REGULATION: 1

IMMUNE SYSTEM/PEPTIDE: 11

VIMENTIN: 2

LIM DOMAIN CONTAINING PROTEINS: 1

PROLINE PEPTIDASE: 1

GLYCOGEN METABOLISM: 1

DNA BINDING PROTEIN/TRANSFERASE: 1

HYDROLASE, LIGASE/INHIBITOR: 3

LACTOFERRIN: 1

FATTY ACID BIOSYNTHESIS: 3

LIPID BINDING PROTEIN: 397

THIOL PROTEASE: 3

DE NOVO PROTEIN, SUGAR BINDING PROTEIN: 1

ANTIBODY: 5

BLOOD CLOTTING,HYDROLASE/INHIBITOR: 6

HYDROXYLASE: 5

TRANSPORT PROTEIN, PROTEIN BINDING: 1

RECOMBINATION: 64

TRANSPORT (THYROXINE,RETINOL) IN SERUM: 1

RECOMBINATION,REPLICATION: 1

REPLICATION/DNA: 32

DE NOVO PROTEIN, METAL BINDING PROTEIN: 4

MOTOR PROTEIN/METAL-BINDNG PROTEIN: 1

GRISEOLUTEATE-BINDING PROTEIN: 1

PHEROMONE-BINDING: 1

PROTEIN BINDING/VIRAL PROTEIN: 1

SERINE/THREONINE PROTEIN KINASE: 2

LYASE/INHIBITOR: 26

TOXIN (HEMOLYTIC POLYPEPTIDE): 1

TRANSCRIPTION REGULATION: 57

PROTEASE: 1

TRANSFERASE/PEPTIDE/RNA: 1

HYDROLASE, TRANSPEPTIDASE: 1

TRANSPORT PROTEIN, RECEPTOR: 13

TRANSFERASE/TRANSCRIPTION ACTIVATOR/DNA: 1

BLOOD CLOTTING, CELL ADHESION: 1

OXIDOREDUCTASE(CHOH (D)-NAD(P)+ (A)): 1

ELECTRON TRANSFER(IRON-SULFUR PROTEIN): 12

TRANSFERASE,OXIDOREDUCTASE/INHIBITOR: 1

COMPLEX (OPERON REPRESSOR/PEPTIDE): 1

PEPTIDOGLYCAN BINDING PROTEIN: 4

TRANSFERASE/TRANSFERASE SUBSTRATE: 11

TRANSCRIPTION, REPLICATION/DNA: 1

PROTEIN BINDING/DNA BINDING PROTEIN: 3

PROTEINASE/INHIBITOR: 1

VIRAL PROTEIN/PROTEASE: 1

ACTIN BINDING PROTEIN: 3

DNA BINDING PROTEIN/VIRAL PROTEIN: 1

PROTEIN AND METAL BINDING PROTEIN: 4

LIPID TRANSPORT/ACTIVATOR: 2

CONTRACTILE SYSTEM PROTEINS: 1

TRANSCRIPTION,TRANSFERASE: 4

LACTOYLGLUTATHIONE LYASE: 1

THIOESTERASE: 1

SIGNALING PROTEIN/TRANSCRIPTION: 2

COBALAMIN BIOSYNTHESIS: 1

DNA/DNA-BINDING PROTEIN: 1

TRANSFERASE/TRANSFERASE REGULATOR/DNA: 1

BETA-CLAMP: 1

ACTIVE-SITE CARBOXYMETHYLATION: 1

SUPERANTIGEN: 1

PHOTOSYNTHESIS/ELECTRON TRANSPORT: 2

INOSITOL PHOSPHATE BINDING PROTEIN: 3

IMMUNE SYSTEM, SUGAR BINDING PROTEIN: 23

CELL CYCLE/INHIBITOR: 14

ANTIVIRAL PROTEIN: 38

HYDROLASE/ANTIBIOTIC: 137

ION CHANNEL: 4

SIGNALING PROTEIN, DE NOVO PROTEIN: 1

PHOTOSYSTEM II: 1

BACTERIAL PROTEIN: 1

TRANSFERASE INHIBITOR: 5

THYMIDINE PHOSPHORYLASE: 1

MEMBRANE PROTEIN/HORMONE: 2

IMMUNE RESPONSE: 1

ALPHA-HELICAL BUNDLE: 2

TRANSFERASE/RNA: 164

METAL BINDING PROTEIN/HYDROLASE: 4

ODORANT BINDING PROTEIN: 8

ADENOSYL BINDING PROTEIN: 1

IMMUNE SYSTEM/DNA: 11

ARMADILLO REPEAT: 1

CALCIUM-BINDING: 7

NUCLEOTIDE BINDING PROTEIN: 17

PROTEIN TRANSPORT/NUCLEAR PROTEIN: 1

ELONGATION FACTOR: 8

SIGNALING PROTEIN: 2169

PEROXIDE RESISTANCE: 3

SIGNALING PROTEIN/TRANSFERASE/INHIBITOR: 4

TRANSFERASE(GLUCANOTRANSFERASE): 1

OXIDOREDUCTASE,TRANSFERASE: 2

BINDING PROTEIN(GTP): 1

METAL BINDING PROTEIN/APOTOSIS: 1

FLAVOPROTEIN, SIGNALING PROTEIN: 2

OXIDOREDUCTASE/TRANSCRIPTION/RNA: 1

HYDROLASE INHIBITOR: 122

HYDROLASE/SUBSTRATE: 13

DE NOVO PROTEIN, IMMUNE SYSTEM: 1

HYDROLASE (O-GLUCOSYL): 1

LECTIN(AGGLUTININ): 5

LIGAND-BINDING PROTEIN: 2

MEMBRANE RECEPTOR: 1

CARDIOTOXIN: 2

STRUCTURAL PROTEIN/DNA: 79

SUGAR BINDING PROTEIN/RIBOSOME: 1

RAR-RELATED ORPHAN RECEPTOR-G (RORG): 2

NUCLEIC ACID: 4

LYASE/IMMUNE SYSTEM: 1

COMPLEX (ELECTRON TRANSPORT PROTEINS): 1

OXIDOREDUCTASE ACTIVATOR: 3

GLYCINE BETAINE-BINDING PROTEIN: 2

MICROTUBULES: 1

MEMBRANE PROTEIN/ADP-BINDING PROTEIN: 1

HYDROLASE,TRANSFERASE/PEPTIDE: 1

CELL ADHESION, CELL INVASION, APOPTOSIS: 1

CYTOKINE RECEPTOR/IMMUNE SYSTEM: 1

HYDROLASE, UNKNOWN FUNCTION: 1

GTP BINDING PROTEIN/TRANSFERASE: 2

IMMUNE SYSTEM/VIRAL PROTEIN RECEPTOR: 1

APOPTOSIS, LIGASE: 1

APOPTOSIS/INHIBITOR: 28

TRANSPORT PROTEIN/DE NOVO PROTEIN: 1

HYDROLASE (ACTING IN CYCLIC AMIDES): 2

MYOGLOBIN (CARBONMONOXY): 1

CHLOROPHYLL BIOSYNTHESIS: 2

COMPLEX (ANTIBODY/ANTIGEN): 2

GROWTH FACTOR/INHIBITOR: 1

COMPLEX OF NITROGENASE PROTEINS: 1

CELL ADHESION, IMMUNE SYSTEM: 1

VENOM: 1

SERINE PROTEINASE/RECEPTOR: 3

ZINC METALLOPROTEASE: 1

TRANSPORT PROTEIN,LIGAND BINDING PROTEIN: 1

TRANSFERASE (CREATINE KINASE): 1

MEMBRANE PROTEIN/HEME BINDING PROTEIN: 3

AMINO ACID DEHYDROGENASE: 2

PYRIDOXAL PHOSPHATE BINDING: 1

TRANSFERASE(FORMYL): 3

CREATINASE: 1

HYDROLASE/MOTOR PROTEIN: 1

HYDROLASE/TRANSPORT PROTEIN: 49

HYDROLASE ACTIVATOR,PROTEIN BINDING: 3

TOXIN,LYASE: 1

SUGAR BINDING PROTEIN, SIGNALING PROTEIN: 1

COMPLEX (HYDROLASE/COFACTOR): 1

ALCOHOL FERMENTATION: 1

APOPTOSIS/PEPTIDE: 3

LYASE/LYASE INHIBITOR: 319

VIRAL PROTEIN/IMMUE SYSTEM: 1

PEPTIDE BINDING PROTEIN: 3

TRANSCRIPTION/DNA: 370

TRANSFERASE, DNA BINDING PROTEIN/DNA: 2

RIBOSOMAL PROTEIN: 43

OXIDOREDUCTASE/LIPID TRANSPORT: 3

ALCOHOL DEHYDROGENASE: 1

HYDROLASE(IN LINEAR AMIDES): 1

TRANSCRIPTION ACTIVATOR/TRANSFERASE/DNA: 1

SIGNALING PROTEIN/TRANSPORT PROTEIN: 1

METAL BINDING PROTEIN,UNKNOWN FUNCTION: 1

APOPTOSIS INHIBITOR: 12

RNA/RNA BINDING: 2

NUCLEAR PROTEIN/INHIBITOR: 2

SUGAR BINDING PROTEIN, PROTEIN FIBRIL: 5

DNA BINDING PROTEIN/PROTEIN: 1

SIGNALING PROTEIN/DNA BINDING PROTEIN: 2

TRANSFERASE/VITAMIN-BINDING PROTEIN: 3

RNA/INHIBITOR: 3

LIGASE/NUCLEAR PROTEIN: 1

ENDONUCLEASE: 31

TOXIN-BINDING PROTEIN/TOXIN: 1

LYASE (CARBON-OXYGEN): 3

LIGHT HARVESTING PROTEIN: 2

CYTOKINE (CHEMOTACTIC): 1

HEME-BINDING PROTEIN: 17

PROTEIN BINDING/HYDROLASE: 5

OXYGEN TRANSPORT/PROTEIN BINDING: 6

STRUCTURAL GENOMICS: 39

SULFUR-ACCEPTOR PROTEIN: 1

HISTOCOMPATIBILITY ANTIGEN/PEPTIDE: 1

UNKNOWN FUNCTION: 785

ISOMERASE/PROTEIN KINASE: 1

ELECTRON TRANSFER (FLAVOPROTEIN): 1

STRUCTURAL PROTEIN/CONTRACTILE PROTEIN: 5

NUCLEOTIDYL TRANSFERASE: 1

COMPLEX (HYDROLASE/IMMUNOGLOBULIN): 2

HYDROLASE/BLOOD CLOTTING: 14

COMPLEX (ANTI-ONCOGENE/ANKYRIN REPEATS): 1

BACTERIAL INFECTION: 1

TRANSCRIPTION REGULATOR, METAL BINDING P: 1

NUCLEAR PROTEIN/METAL BINDING PROTEIN: 1

MEMBRANE PROTEIN, TRANPORT PROTEIN: 3

TRANSPORT PROTEIN/METAL BINDING PROTEIN: 2

ALKALINE PHOSPHATASE: 7

HEXAMERIZATION DOMAIN: 1

HYDROLASE,VIRAL PROTEIN: 1

RNA/DNA: 3

LIPID-BINDING PROTEIN: 16

MATRIX METALLOPROTEINASE: 2

IRON TRANSPORT PROTEIN: 7

APOPTOSIS/APOPTOSIS INHIBITOR: 16

ASPARTIC PROTEASE: 5

TRANSFERASE(PHOSPHORYL,ALCOHOL ACCEPTR): 1

PLANT PROTEIN, ISOMERASE: 2

CYCLOALTERNAN BINDING PROTEIN: 1

ISOMERASE/ISOMERASE INHIBITOR COMPLEX: 2

RIBOZYME: 5

GLYCOSYLTRANSFERASE: 30

FLAVIN-DEPENDENT OXIDASE ENZYME: 1

OXIDOREDUCTASE, FLAVOPROTEIN: 2

TYROSINE KINASE: 1

TRANSCRIPTION/AGONIST: 10

NUCLEAR IMPORT RECEPTOR: 1

HORMONE/GENE REGULATION: 1

MUTANT STABILITY: 1

TRANSFERASE, KINASE: 1

PEPTIDE BINDING PROTEIN/PROTEIN BINDING: 2

ELECTRON TRANSPORT(FLAVOCYTOCHROME): 1

LYASE, TRANSFERASE/DNA: 1

CELL-SURFACE RECEPTOR: 1

MOTOR PROTEIN/STRUCTURAL PROTEIN: 6

TRANSFERASE/TRANSPORT PROTEIN: 6

LIPID-BINDING-PROTEIN: 1

OXIDOREDUCTASE (FLAVOPROTEIN): 1

APOPTOSIS, TOXIN: 3

IMMUNE SYSTEM PROTEIN: 1

CELL ADHESION/PROTEIN BINDING: 8

MEMBRANE PROTEIN, PROTEIN TRANSPORT: 9

KINASE: 31

IMMUNE SYSTEM/VIRAL PROTEIN: 34

TRANSCRIPTION/CELL CYCLE: 3

TRANSFERASE-HYDROLASE: 1

MANGANESE SUPEROXIDE DISMUTASE: 1

APOPROTEIN: 1

ACETYLATION AND ACTIN-BINDING: 1

HORMONE/HORMONE RECEPTOR/IMMUNE SYSTEM: 2

TRANSFERASE, HYDROLASE/RNA/DNA: 1

CELL CYCLE/DNA: 1

PROTEIN BINDING/TRANSFERASE: 12

NON-HEME IRON DIOXYGENASE: 1

BLOOD COAGULATION INHIBITOR: 1

CALCIUM-REGULATED MUSCLE CONTRACTION: 1

VIRAL PROTEIN,METAL BINDING PROTEIN: 1

CARTENOID BINDING PROTEIN: 2

BLOOD CLOTTING/IMMUNE SYSTEM: 2

TRANSPORT(THYROXINE): 4

PROTEINASE INHIBITOR (CHYMOTRYPSIN): 1

STRUCTURAL PROTEIN/TRANSFERASE/DNA: 2

NEUROTOXIN(POTASSIUM CHANNEL INHIBITOR): 1

PEPTIDE NUCLEIC ACID: 7

TRANSFERASE,LYASE: 4

HYDROLASE,SIGNALING PROTEIN/INHIBITOR: 2

OXIDOREDUCTASE, METAL BINDING PROTEIN: 4

HYDROLASE/RECEPTOR: 10

LIGASE/RNA BINDING PROTEIN: 1

CYTOKINE, HORMONE/GROWTH FACTOR RECEPTOR: 2

HYDROLASE (PHOSPHORIC MONOESTER): 19

TRANSFERASE/STRUCTURAL PROTEIN: 16

ZN-ENDOPEPTIDASE: 1

DNA BINDING PROTEIN/RECOMBINATION/DNA: 1

METAL BINDING PROTEIN/EXOCYTOSIS: 1

TOXIN,HYDROLASE: 4

PLANT LECTIN: 2

CELL ADHESION/BLOOD CLOTTING: 6

COMPLEX (SINGLE-CHAIN ANTIBODY/ANTIGEN): 1

ISOMERASE/SUBSTRATE: 1

TRANSFERASE (METHYLTRANSFERASE): 19

PHEROMONE-BINDING PROTEIN: 3

SIGNALLING PROTEIN: 10

CALCIUM-BINDING PROTEIN/HORMONE RECEPTOR: 1

VIRAL PROTEIN/TRANSPORT PROTEIN: 1

RECOMBINATION ACTIVATOR: 2

DNA/INHIBITOR: 2

HYDROLASE/HORMONE/GROWTH FACTOR: 1

LIGASE/DNA BINDING PROTEIN: 5

HORMONE RECEPTOR/IMMUNE SYSTEM: 2

GTP BINDING/ACTIN BINDING PROTEINS: 1

SIGNALING PROTEIN, HYDROLASE/ANTAGONIST: 1

PEPTIDOGLYCAN SYNTHESIS: 1

INTEGRIN: 2

CALCIUM BINDING/STRUCTURAL PROTEIN: 1

FUCOSE-BINDING PROTEIN: 1

DIGOXIGENIN BINDING PROTEIN: 2

TRANSCRIPTION/TRANSFERASE/DNA: 2

CARBOXYL METHYLESTERASE: 1

HYDROLASE (NUCLEIC ACID,RNA): 3

LIGAND BINDING, TRANSPORT PROTEIN: 2

NITRITE REDUCTASE: 1

VIRAL PROTEIN RECEPTOR: 2

PROTEIN TRANSPORT/LIGASE: 3

APOPTOSIS/DNA: 4

CHEMOKINE: 2

TRANSPORT PROTEIN/TRANSCRIPTION: 1

TRANSPORT PROTEIN/IMMUNE SYSTEM: 15

ELECTRON TRANSPORT, MEMBRANE: 1

TRANSFERASE, LIGASE/DNA: 1

HORMONE, TRANSCRIPTION RECEPTOR: 1

MYRISTYLATION: 1

LIGASE/PEPTIDE: 2

POLYSACCHARIDE DEGRADATION: 1

SIGNALING PROTEIN, PROTEIN BINDING: 2

ANTITUMOR PROTEIN/DNA: 7

DNA BINDING PROTEIN/AGONIST: 4

CHAPERONE ACTIVATOR: 1

HYDROLASE(CARBOXYLIC ESTER): 1

LIGASE/VIRAL PROTEIN: 1

HYDROLASE REGULATOR,DNA BINDING PROTEIN: 1

COMPLEX (LYASE/HYDROLASE): 1

RETINOIC ACID-BINDING PROTEIN: 3

COMPLEX(SERINE PROTEINASE/INHIBITOR): 1

TRANSFERASE/ANTIBIOTIC/INHIBITOR: 1

TRANSCRIPTION REGULATION, DNA BINDING: 1

PROTEIN BINDING/TOXIN INHIBITOR: 1

POLYSACCHARIDE BINDING PROTEIN: 1

HYDROLASE, BLOOD CLOTTING: 5

MEMBRANE PROTEIN/TRANSCRIPTION: 2

DE NOVO PROTEIN HYDROLASE: 1

TRANSCRIPTION/TRANSCRIPTION REGULATOR: 10

LIPASE PROTEIN COFACTOR: 2

CRYSTALLINE CELLULOSE-BINDING PROTEIN: 1

OXIDOREDUCTASE/OXIDOREDUCTASE INIHBITOR: 1

TOXIN/PEPTIDE: 1

BLOOD COAGULATION/HYDROLASE INHIBITOR: 3

LIPID BINDING PROTEIN/INHIBITOR: 4

DYE-BINDING PROTEIN: 3

METAL BINDING: 1

RESINIFERATOXIN BINDING PROTEIN: 1

CHAPERONE/DNA BINDING PROTEIN: 3

LYASE/METAL BINDING PROTEIN: 8

OXIDOREDUCTASE (H2O2 ACCEPTOR): 3

DNA/DNA BINDING PROTEIN: 2

TRANSFERASE/CAMP BINDING PROTEIN: 1

TRANSCRIPTION, VIRAL PROTEIN: 1

COMPLEX (GTP-BINDING/TRANSDUCER): 3

SERINE ESTERASE: 5

NUCLEOTIDE-BINDING: 1

KUNITZ INHIBITOR: 1

RNA BINDING PROTEIN/IMMUNE SYSTEM: 1

CELL ADHESION/CELL ADHESION: 1

FLUORESCENT PROTEIN: 216

COAGULATION: 1

CRYSTALLIN: 1

LYASE,METAL BINDING PROTEIN: 10

PROTEIN BINDING, METAL BINDING PROTEIN: 1

SUGAR BINDING PROTEIN/INHIBITOR: 15

TRANSFERASE, HYDROLASE/RNA/DNA/INHIBITOR: 1

METAL BINDING PROTEIN/PEPTIDE BINDING PR: 1

CELL WALL BIOSYNTHESIS: 1

SOLUTE BINDING PROTEIN: 4

ZINC-BINDING PROTEIN: 4

IMMUNE SYSTEM/VIRUS/VIRAL PROTEIN: 1

SIGNALING PROTEIN/ANTIMICROBIAL PROTEIN: 1

TOXIN/ISOMERASE: 2

TRANSFERASE/IMMUNE SYSTEM: 17

HYDROLASE (CARBOXYLIC ESTERASE): 2

MEMBRANE PROTEIN, HYDROLASE/INHIBITOR: 2

TRANSFERASE/SUBSTRATE: 9

HEPARIN-BINDING PROTEIN: 3

RNA BINDING DOMAIN: 1

HYDROLASE(NUCLEIC ACID,RNA): 6

SITE-SPECIFIC RECOMBINASE: 1

COMPLEX (HYDROLASE/ISOMERASE): 1

ISOMERASE/IMMUNOSUPPRESSANT: 36

ENDOCYTOSIS, EXOCYTOSIS: 1

VIRAL PROTEIN/HYDROLASE: 2

LIGAND RECEPTOR/TRANSCRIPTION REGULATION: 1

CELL CYCLE/CELL CYCLE INHIBITOR: 2

SIGNALING PROTEIN/PROTEIN BINDING: 13

TRANSLATION/ANTIBIOTIC RESISTANCE: 1

RESPONSE REGULATOR: 2

OXIDOREDUCTASE, MEMBRANE PROTEIN: 2

SECRETION SYSTEM: 1

TRANSPORT PROTEIN/APOPTOSIS: 1

METAL TRANSPORT/HYDROLASE: 1

TRANSFERASE/BIOSYNTHETIC PROTEIN: 1

TRANSFERASE/UNKNOWN FUNCTION: 7

TRANSIT PEPTIDE: 1

TRANSFERASE/MOTOR PROTEIN: 1

HYDROLASE/STRUCTURAL PROTEIN: 8

SIGNALING PROTEIN, SIGNAL TRANSDUCTION: 1

LECTIN/IMMNUE SYSTEM: 1

VIRAL PROTEIN/REPLICATION INHIBITOR/RNA: 1

NUCLEAR RECEPTOR: 18

MEMBRANE PROTIEN, METAL TRANSPORT: 1

CONTRACTILE PROTEIN/CA BINDING PROTEIN: 1

HYDROLASE (ASPARTYL ESTERASE): 1

ENZYME: 1

CELL ADHESION, STRUCTURAL PROTEIN: 1

CYSTEINE PROTEASE: 2

PROTEASE/PROTEASE INHIBITOR: 8

RIBOSOME/ANTIBIOTIC: 42

FLAVOENZYME: 13

TRANSCRIPTION/TOXIN: 2

TRANSCRIPTION/DNA/ANTIBIOTIC: 5

PHOSPHATE TRANSPORT: 8

STRUCTURAL PROTEIN/HYDROLASE: 5

TRANSFERASE/HYDROLASE: 23

GLYCOSIDASE/CARBOHYDRATE: 1

CELL CYCLE/LIGASE/SIGNALING PROTEIN: 1

METHIONINE BIOSYNTHESIS: 2

LYSOSOMAL ASPARTIC PROTEASE: 1

OXIDOREDUCTASE(H2O2(A)): 12

METAL TRANSPORT REGULATOR: 2

STRUCTURAL PROTEIN/STRUCTURAL PROTEIN RE: 1

ODORANT-BINDING: 1

HORMONE RECEPTOR/HORMONE ACTIVATOR: 2

ENDORIBONUCLEASE: 15

LECTIN (AGGLUTININ): 8

COUPLING PROTEIN: 4

COMPLEX (IMMUNOGLOBULIN/TISSUE FACTOR): 1

CALCIUM-BINDING/TRANSFERASE: 1

CELL ADHESION, TRANSPORT PROTEIN: 1

TRANSCRIPTION, TRANSFERASE/DNA, RNA: 1

TRANSFERASE/TRANSCRIPTION: 18

ATP PHOSPHORYLASE: 3

MACRO\_H2A DOMAIN/HYDROLASE: 2

STRUCTURAL GENOMICS UNKNOWN FUNCTION: 1

SIGNALING PROTEIN, IMMUNE SYSTEM: 2

COMPLEX (GTP-BINDING/ATP-BINDING): 1

PROTEIN BINDING/MEMBRANE PROTEIN: 2

RIBOSOME BINDING FACTOR: 1

DNA REPLICATION INITIATION: 1

TRANSCRIPTION/REPLICATION: 2

CALCIUM BINDING, FLUORESCENT, TRANSFERAS: 1

TRANSFERASE/ANTIOBIOTIC: 1

HYSROLASE/HYDROLASE INHIBITOR: 1

RNA BINDING PROTEIN/RNA: 136

COMPLEX (HEMAGGLUTININ/IMMUNOGLOBULIN): 1

HYDROLASE/RNA BINDING PROTEIN: 2

OXIDOREDUCTASE (CHOH(D)-NADP+(A)): 5

BILIVERDIN-IX BETA REDUCTASE: 5

STRUCTURAL GENOMICS, HYDROLASE: 2

CHAPERONE/NUCLEAR PROTEIN: 1

OXIDOREDUCTASE(ACTING ON NADH): 1

ALDEHYDE DEHYDROGENASE: 1

HYDROLASE/RNA BINDING PROTEIN/RNA: 2

PROTON TRANSPORT: 92

MULTICATALYTIC PROTEINASE: 1

ALPHA-AMYLASE: 1

DNA BINDING PROTEIN, TRANSCRIPTION: 1

STRUCTURAL PROTEIN, PROTEIN BINDING: 6

CELL DIVISION: 10

PLANT TOXIN: 1

CELL CYCLE, PEPTIDE BINDING PROTEIN: 1

OXIDOREDUCTASE(FLAVOENZYME): 8

LYASE/RNA: 4

TRANSFERASE, HYDROLASE/DNA/RNA/INHIBITOR: 2

LIGASE, CELL CYCLE: 1

RIBONUCLEASE INHIBITOR: 1

RECOMBINATION/INHIBITOR/DNA: 2

HORMONE/GROWTH FACTOR/IMMUNE SYSTEM: 1

QUINONE-REDUCTASE (CYTOSOLIC): 1

SUGAR BINDING PROTEIN, HORMONE: 2

SIGNALING PROTEIN/ANTIBIOTIC: 1

REGULATOR: 3

TRANSLATION FACTOR/ANTIBIOTIC: 3

LYASE(DECARBOXYLASE): 2

HYDROLASE/ANTIBIOTICS: 2

HYDROLASE (C-TERMINAL PEPTIDASE): 4

LIGASE/LIGASE: 1

LIGASE, PROTEIN FIBRIL: 1

TRANSFERASE, HYDROLASE/INHIBITOR: 12

METALLOPROTEIN: 3

INTEGRAL MEMBRANE PROTEIN PORIN: 4

COMPLEX (GLYCOPROTEIN/PEPTIDE): 1

VIRAL PROTEIN/DNA/RNA/INHIBITOR: 4

METAL BINDING PROTEIN/PROTEIN TRANSPORT: 2

MEMBRANE PROTEIN/HYDROLASE: 10

LIPID TRANSFER PROTEIN: 1

ACTIN-BINDING PROTEIN/PEPTIDE: 1

IMMUNE SYSTEM, LIPID BINDING PROTEIN: 1

COMPLEX(LECTIN/SACCHARIDE): 3

HIV-1: 3

INHIBITOR/HORMONE: 1

MEMBRANE PROTEIN, CELL INVASION: 2

APOPTOSIS, TRANSCRIPTION: 1

METHIONINE-BINDING PROTEIN: 2

HYDROLASE/HYDROLASE INHIBITOR/DNA: 9

ASPARTIC PROTEINASE: 2

GMP BINDING PROTEIN: 1

TRANSFERASE, LYASE: 13

MEMBRANE PROTEIN/TRANSFERASE: 3

CHAPERONE, PEPTIDE BINDING PROTEIN: 5

TRANSFERASE, HYDROLASE/ANTIBIOTIC: 1

ANTIGEN: 2

SIGNALING PROTEIN/INHIBITOR: 90

ISOMERASE,SUGAR BINDING PROTEIN: 4

STRUCTURAL BIOLOGY, UNKNOWN FUNCTION: 1

PLANT PROTEIN/ANTIBIOTIC: 1

ADENYLATE KINASE: 2

GENE REGULATION/INHIBITOR: 7

HYDROLASE\\INHIBITOR: 1

SIGNALING PROTEIN/MEMBRANE PROTEIN: 5

COMPLEMENT REGULATOR: 1

ISOMERASE/RNA BINDING PROTEIN/RNA: 5

DEHALOGENASE: 13

TRANSCRIPTION/INHIBITOR: 108

LIGASE, LYASE/DNA: 2

ACID PROTEASE: 1

HISTONE/TRANSFERASE: 1

TRANSCRIPTION/TRANSPORT PROTEIN/DNA: 1

NUCLEAR TRANSPORT PROTEIN COMPLEX: 1

TRANSPORT PROTEIN/CALCIUM BINDING: 3

IMMUNE SYSTEM/TRANSPORT PROTEIN: 7

SURFACE GLYCOPROTEIN: 1

APOPTOSIS/TRANSPORT PROTEIN: 1

VIRAL PROTEIN/RNA: 23

HYDROLASE INHIBITOR/PEPTIDE: 3

HYDROLASE, CHAPERONE: 1

STRUCTURAL PROTEIN/RNA: 10

HYDROLASE/TRANSCRIPTION REGULATOR/PROTEI: 1

RNA BINDING/PROTEIN TRANSPORT: 1

FLAVOPROTEIN/INHIBITOR: 1

METHYLTRANSFERASE: 48

SIGNALING PROTEIN, FLAVOPROTEIN: 5

TOXIN/ANTITOXIN: 15

APOPTOSIS/APOPTOSIS ACTIVATOR: 1

TRANSCRIPTION/RNA: 25

DNA BINDING PROTEIN: 1022

HYDROLASE(CARBOXYL ESTER): 1

BIOSYNTHETIC PROTEIN, TRANSFERASE: 7

ASPARAGINASE: 3

HYDROLASE / ANTIBIOTIC: 6

PLANT PROTEIN, TRANSFERASE: 4

LIGASE/LIGASE INHIBITOR/DNA: 1

LYASE (CARBON-CARBON): 7

SIGNALING PROTEIN,HYDROLASE: 2

HEME BINDING PROTEIN: 23

HYDRO-LYASE: 6

HYDROLASE, LIGASE: 5

HYDROLASE/UNKNOWN FUNCTION: 3

ISOMERASE/BIOSYNTHETIC PROTEIN: 2

STRUCTURAL PROTEIN, HYDROLASE: 1

3-METHYLADENINE DNA GLYCOSYLASE I/DNA: 1

SIGNALING PROTEIN/APOPTOSIS: 2

CELL ADHESION/IMMUNE SYSTEM/PEPTIDE: 5

POLYMERASE-BINDING PROTEIN: 1

APOPTOSIS, TRANSPORT PROTEIN: 2

SIGNALING PROTEIN,TRANSFERASE,MEMBRANE P: 1

CALCIUM BINDING PROTEIN/PROTEIN FIBRIL: 1

TGLUTAMINE AMIDOTRANSFERASE: 1

HYDROLASE(O-GLYCOSYL): 113

COMPLEX (SIGNAL TRANSDUCTION/REGULATOR): 1

COMPLEX (GTP-BINDING/GTPASE ACTIVATION): 1

ANTIBIOTIC, PLANT PROTEIN: 1

SIGNALLING PROTEIN/KINASE: 1

OXIDOREDUCTASE, TRANSFERASE: 28

COMPLEX (PROTEASE/INHIBITOR): 1

TRANSCRIPTION/RNA/DNA: 28

CELL-CYCLE: 1

ELECTRON TRANSPORT: 1144

HYDROLASE, CELL CYCLE: 6

TRANSFERASE, HYDROLASE/DNA/RNA: 1

BIOTIN-BINDING PROTEIN: 102

CELL ADHESION/INHIBITOR: 10

DE NOVO PROTEIN/PEPTIDE: 1

TRANSCRIPTION/PROTEIN BINDING: 15

ENDOCYTOSIS: 67

TRANSCRIPTION/PROTEIN BINDING/AGONIST: 1

SIGNALING PROTEIN COMPLEX: 1

TRANSCRIPTION REGULATOR: 275

LEUCINE-RICH REPEATS: 1

HEAT SHOCK PROTEIN: 1

SIGNALLING: 1

HYDROLASE(XYLAN DEGRADATION): 1

MUSCLE PROTEIN: 11

ISOMERASE, OXIDOREDUCTASE: 2

TRANSFERASE, REPLICATION/DNA: 1

RNA BINDING PROTEIN, TRANSPORT PROTEIN: 1

TRANSCRIPTION/TRANSCRIPTION INHIBITOR: 123

HYDROLASE(ACID PROTEASE): 7

CELL CYCLE/CHAPERONE: 1

FAMILY 1 BETA-GLUCOSIDASE: 1

PROTEIN BINDING/CELL CYCLE: 1

CELL ADHESION/HYDROLASE: 1

MUCIN-BINDING PROTEIN: 3

TRANSFERASE/ANTIBODY/DNA: 1

GLYCOSYLATION: 1

OXIDOREDUCTASE (NITRIC OXIDE(A)): 9

TRANSFORMING PROTEIN: 1

TRANSFERASE/TRANSFERASE INHBITOR: 4

OXIREDUCTASE/OXIREDUCTASE INHIBITOR: 2

HYDROLASE/PROTEIN BINDING: 46

OXIDOREDUCTASE/OXIDOREDUCTASE SUBSTRATE: 4

BLOOD CLOTTING INHIBITOR/IMMUNE SYSTEM: 1

SIGNALING PROTEIN/SIGNALING PROTEIN REGU: 1

TRANSPORT PROTEIN/GTP-BINDING PROTEIN: 1

SERINE PROTEINASE: 10

OXIDOREDUCTASE, TOXIN: 1

HYDRLOASE INHIBITOR: 1

REDUCTASE(ACTING ON CH2): 2

FMN-BINDING PROTEIN: 7

OXIDOREDUCTASE, VIRAL PROTEIN: 1

TRANSFERASE/TRANSCRIPTION FACTOR: 1

HYDROLASE,LIGASE: 1

ANTIBIOTIC CHROMOPROTEIN: 1

ENDOCYTOSIS/REGULATOR: 1

GENE REGULATION, HYDROLASE: 1

TRANSFERASE/RNA BINDING PROTEIN: 4

OXIDOREDUCTASE (MONOOXYGENASE): 1

TRANSFERASE/CHAPERONE: 3

HORMONE PRECURSOR: 1

CELL ADHESION, MEMBRANE PROTEIN: 2

HYDROLASE (ASPARTIC PROTEINASE): 3

PROTEIN-DNA COMPLEX: 1

HORMONE, TRANSPORT PROTEIN: 5

STRUCTURAL PROTEIN/SIGNALING PROTEIN: 1

COMPLEX (PEPTIDE TRANSPORT/PEPTIDE): 3

BLOOD CLOTTING, HYDROLASE: 17

STRUCTURAL PROTEIN/IMMUNE SYSTEM: 3

ATP-BINDING PROTEIN: 9

HYDROLASE/TRANSCRIPTION REGULATOR: 1

HYDOLASE/INHIBITOR: 1

TRANSLATION,HYDROLASE: 5

OXIDOREDUCTASE,LYASE: 4

HORMONE/GROWTH FACTOR/RECEPTOR: 3

METAL TRANSPORT,MEMBRANE PROTEIN: 2

MEMBRANE PROTEIN, IMMUNE SYSTEM, TOXIN: 1

GLOBULIN: 1

VIRUS/RNA: 9

BIOSYNTHETIC PROTEIN, FLAVOPROTEIN: 4

IMMUNE SYSTEM/MEMBRANE PROTEIN: 1, "5-3 EXO/ENDO NUCLEASE": 2

PANCREATIC HORMONE: 1

GLUCURONIDASE: 2

APOPTOSIS ACTIVATOR: 1

VIRAL PROTEIN,RNA BINDING PROTEIN: 1

RECEPTOR/INHIBITOR: 1

HYDROLASE ACTIVATOR, PROTEIN BINDING: 4

HORMONE/DNA: 2

HYDROLASE/LIGASE/HYDROLASE: 1

ELECTRON TRANSPORT(CYTOCHROME): 6

COMPLEX (OXIDOREDUCTASE/PEPTIDE): 9

TOXIN/PROTEIN TRANSPORT: 1

CEPHALOSPORINASE: 2

IMMUNE SYSTEM/VIRAL SYSTEM: 1

STRUCTURAL PROTEIN, ELECTRON TRANSPORT: 1

AMINOTRANSFERASE: 50

HYDROLASE INHIBITOR/HYDROLASE: 19

TRANSLOCASE: 1

PENICILLIN-BINDING: 1

ISOMERASE/DNA/ANTIBIOTIC: 5

BINDING PROTEINS: 6

THYMIDINE KINASE: 1

PEPTIDE ANTIBIOTIC: 3

ANTIFREEZE POLYPEPTIDE: 2

HORMONE RECEPTOR/HORMONE/IMMUNE SYSTEM: 3

ANTIBIOTIC/INHIBITOR: 1

IMMUNE SYSTEM/SIGNALING PROTEIN: 4

TRANSPORT PROTEIN/MEMBRANE PROTEIN: 1

SUGAR BINDING PROTEIN, VIRAL PROTEIN: 4

STRUCTURAL PROTEIN/CELL INVASION: 1

OXIDOREDUCTASE (OXYGENASE): 4

FLUORESCENT PROTEIN, TRANSPORT PROTEIN: 2

RECOMBINATION,VIRAL PROTEIN/DNA: 15

ISOMERASE/LYASE: 1

ADHESIN: 3

FLURORESCENT PROTEIN, METAL BINDING PROT: 2

AMINOACYL-TRNA SYNTHETASE: 7

ISOMERASE/DNA: 50

G-PROTEIN: 1

BIOTIN BINDING PROTEIN: 50

DNA BINDING PROTEIN, CELL CYCLE: 1

LACTOSE SYNTHASE: 1

HYDROLASE, BIOSYNTHETIC PROTEIN: 3

TRANSFERASE,HYDROLASE: 8

TRANSFERASE/RIBOSOMAL PROTEIN: 8

HYDROLASE,PROTEIN TRANSPORT: 1

PROTEIN TRANSPORT/ENDOCYTOSIS: 1

ACTIN BINDING: 1

METAL-BINDING: 1

LIGASE(PEPTIDOGLYCAN SYNTHESIS): 1

ISOMERASE(INTRAMOLECULAR OXIDOREDUCTSE): 13

LIGAND BINDING PROTEIN,MEMBRANE PROTEIN: 1

HYDROLASE, LYASE/DNA: 18

COMPLEX (ELONGATION FACTOR/TRNA): 1

COMPLEMENT: 2

GENE REGULATION, TRANSFERASE: 2

DE NOVO PROTEIN DESIGN: 1

LIGASE/PROTEIN BINDING: 11

HYDROLASE/CYTOKINE: 2

CLASS II ALDOLASE: 2

ALLERGEN, PLANT PROTEIN: 1

HYDROLASE(ASPARTIC PROTEINASE): 2

AMINO-ACID BIOSYNTHESIS, LYSINE BIOSYNTH: 1

TRANSFERASE/TRANSFERASE REGULATOR: 15

TRANSFEASE/TRANSFERASE INHIBITOR: 1

HISTONE/CHAPERONE: 1

IMMUNE SYSTEM/AGONIST: 8

PROTEIN TRANSPORT/VIRAL PROTEIN: 1

LIGASE/ANTAGONIST: 5

VIRAL PROTEIN/PROTEIN BINDING: 3

TRANSCRIPTION REGULATOR, OXIDOREDUCTASE: 3

HYDROLASE,ISOMERASE: 1

IRON TRANSPORT: 15

TRANSFERASE/DNA COMPLEX: 2

RNA BINDING PROTEIN/NUCLEAR PROTEIN: 1

TOXIN, PROTEIN BINDING: 1

TRANSCRIPTION REGULATOR/RNA: 1

LYASE, OXIDOREDUCTASE/TRANSFERASE: 1

PROTEIN FIBRIL, METAL BINDING PROTEIN: 1

RNA-BINDING: 1

PROTEIN TRANSPORT: 481

CYTOTOXIN: 2

COAGULATION FACTOR: 9

TRANSPORT PROTEIN/AGONIST: 8

LIGASE/TRANSCRIPTION: 1

PEPTIDE-BINDING PROTEIN: 1

RETINOIC-ACID TRANSPORT: 3

IRON-BINDING PROTEIN: 15

CONTRACTILE PROTEIN/PROTEIN BINDING: 7

TRANSCRIPTION REGULATOR/DNA/ANTIBIOTIC: 1

CHAPERONIN: 4

PROTEIN BINDING/IMMUNE SYSTEM: 5

CONTRACTILE SYSTEM PROTEIN: 4

LIGASE,SIGNALING PROTEIN,IMMUNE SYSTEM: 1

METALLOPROTEASE: 16

POLYMERASE BINDING PROTEIN: 1

OXIDOREDUCTASE (NADP): 1

DIOXYGENASE: 18

CHAPERONE, PROTEIN TRANSPORT: 1

TRANSCRIPTION FACTOR/DNA: 4

ACTIVATION DOMAIN: 1

TRANSFERASE/METAL BINDING PROTEIN: 4

TRANSFERASE/DNA: 1039

PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN: 1

TRANSFERASE(ACYLTRANSFERASE): 1

APOPTOSIS/APOPTOSIS REGULATOR: 1

LYASE/TRANSFERASE: 5

PROTEIN SYNTHESIS INHIBITOR(TOXIN): 1

FERRITIN: 1

DNA BINDING PROTEIN, VIRAL PROTEIN: 1

IMMUNE SYSTEM/TRANSCRIPTION INHIBITOR: 1

TRANSCRIPTION, METAL BINDING PROTEIN: 1

HYDROLASE/IMMUNE SYSTEM, INHIBITOR: 1

IMMUNE SYSTEM/ CELL ADHESION: 1

CYTOKINE RECEPTOR/CYTOKINE: 3

PROTEIN KINASE: 7

TRANSFERASE (PHOSPHORYL): 1

TRANSFERASE ACTIVATOR: 2

GUANINE NUCLEOTIDE EXCHANGE FACTOR: 1

SYNTHASE: 31

OXIDOREDUCTASE(OXYGEN(A)): 3

TRANSCRIPTION ACTIVATOR/INHIBITOR: 3

EXCHANGE FACTOR: 1

STRUCTURAL PROTEIN/HYDROLASE/DNA: 6

STRUCTURAL PROTEIN, IMMUNE SYSTEM: 1

BLOOD CLOTING, HYDROLASE/INHIBITOR: 1

BACTERIAL CHEMOTAXIS: 1

TRANSFERASE/IMMUNE SYSTEM/DNA: 3

MOTOR PROTEIN/METAL BINDING PROTEIN: 2

ISOMERASE/METAL-BINDING PROTEIN: 1

CHAPERONE/PROTEIN BINDING: 3

ZORBAMYCIN BINDING PROTEIN: 1

ADP RIBOSE-BINDING PROTEIN: 1

HYDROLASE/HYDROLASE INHIBITOR: 1

HORMONE/SIGNALING PROTEIN: 3

HYDROLASE (BETA-LACTAMASE): 1

HYDROLASE(AMINOPEPTIDASE): 1

MYOGLOBIN (ETHYL ISOCYANIDE): 1

VIRAL PROTEIN COMPLEX: 2

TOXIN, LYASE/METAL BINDING PROTEIN: 1

HYDROLASE/HYDROLASE INHIBITOR: 3541

DNA REPLICATION/ISOMERASE: 1

TRANSFERASE, PLANT PROTEIN: 2

ATTACHMENT PROTEIN: 1

SIGNALING PROTEIN, HYDROLASE ACTIVATOR: 1

DEHYDROGENASE: 15

HYDROLASE,SIGNALING PROTEIN: 4

STRUCTURAL PROTEIN/DE NOVO PROTEIN: 1

METAL, LIPID BINDING PROTEIN: 1

IMMUNE SYSTEM/INHIBITOR: 30

TRANSPORT PROTEIN/SIGNALING PROTEIN: 5

REPLICATION, TRANSCRIPTION: 1

PENICILLIN-BINDING PROTEIN: 12

COMPLEX (IMMUNOGLOBULIN/BINDING PROTEIN): 1

STRUCTURAL GENOMICS,LYASE: 1

TOXIN: 594

CELL INVASION/INHIBITOR: 6

HYDROLASE,TRANSFERASE/DNA: 12

COMPLEX (BLOOD COAGULATION/INHIBITOR): 1

MEMBRANE PROTEIN, PROTEIN BINDING: 5

UNKNOWN FUNCTION, STRUCTURAL GENOMICS: 1

ISOMERASE,LYASE: 1

TRANSLATION,TRANSFERASE: 1

FLAVIN-BINDING PROTEIN: 1

CYTOSKELETAL PROTEIN: 1

PROTEIN FIBRIL, LIGASE: 2

LIGASE (SYNTHETASE): 5

S-LECTIN: 1

PROTEIN TRANSPORT, CHAPERONE REGULATOR: 1

LIPID BINDING: 2

HORMONE/HORMONE RECEPTOR: 10

OXIDOREDUCTASE(DIOXYGENASE, PEROXIDASE): 1

BLOOD COAGULATION: 10

LEISHMANOLYSIN: 1

HYDROLASE/PEPTIDE: 46

REPLICATION/TRANSFERASE: 1

OXIDOREDUCTASE (ALDEHYDE(D)-NAD+(A)): 3

SERINE/THREONINE-PROTEIN KINASE: 2

LIGAND BINDING PROTEIN: 71

OXIDOREDUCTASE,ELECTRON TRANSPORT: 3

TRANSCRIPTION/ANTIBIOTIC: 7

MEMBRANE PROTEIN, METAL BINDING PROTEIN: 1

ELECTRON TRANSPORT (COPPER): 1

LYASE/DNA: 29

CAROTENOID BINDING PROTEIN: 10

TRANSCRIPTION/STRUCTURAL PROTEIN: 5

COMPLEX (METHYLTRANSFERASE/TRNA): 1

HYDRONLASE/HYDROLASE INHIBITOR: 1

ANTIBIOTIC/IMMUNE SYSTEM: 1

ISOMERASE REGULATOR: 1

LIPID TRANSPORT/INHIBITOR: 2

LIGASE/SUBSTRATE: 1

MOTOR PROTEIN/INHIBITOR: 2

METAL BINDING PROTEIN/INHIBITOR: 17

HYDROLASE, ISOMERASE: 2

HORMONE/GROWTH FACTOR/DNA: 1

SIGNAL TRANSDUCTION PROTEIN: 16

REPLICATION,OXIDOREDUCTASE: 1

LYASE, TRANSFERASE: 5

TRANSCRIPTION/DNA-RNA HYBRID: 6

METALLOPROTEINASE: 2

IMMUNE SYSTEM/APOPTOSIS: 1

LIGASE/TRANSFERASE: 16

OXIDOREDUCTASES(ACTING ON CH-NH2 DONOR): 2

COMPLEX (IMMUNOGLOBULIN/HYDROLASE): 1

COMPLEX (LYASE/INHIBITOR): 2

CYTOSKELETON: 3

ION TRANSPORT/PROTEIN BINDING: 1

CELL ADHESION/CYTOKINE: 1

OXIDOREDUCTASES: 1

CHROMATIN BINDING PROTEIN/DNA: 1

OXIDOREDUCTASE(CHNH(D)-NAD+ OR NADP+(A)): 1

OXIDOREDUCTASE/OXIDOREDUCTASE INHIBITOR: 909

SIGNALING PROTEIN, HYDROLASE: 12

ELECTRON TRANSPORT/OXIDOREDUCTASE: 8

RHOA-BINDING PROTEIN: 1

IMMUNE SYSTEM/RNA: 11

IRON BINDING PROTEIN: 5

CELL DIFFERENTIATION: 1

NUCLEAR PROTEIN: 96

PROTEIN TRANSPORT/SIGNALING PROTEIN: 1

RETINOL TRANSPORT: 6

C-DI-GMP BINDING PROTEIN: 1

HYDROLASE/METAL BINDING PROTEIN: 4

CYTOKINE/DE NOVO PROTEIN: 2

HYDROLASE/HYDROLASE INTHIBITOR: 1

METATL BINDING PROTEIN: 1

REGULATORY PROTEIN: 3

PROTEIN TRANSPORT/CONTRACTILE PROTEIN: 1

PROTEIN TRANSPORT/TOXIN: 2

DNA BINDING PROTEIN/TOXIN: 1

COMPLEX (SIGNAL TRANSDUCTION/PEPTIDE): 7

OXIDOREDUCTASE, APOPTOSIS: 1

OXYGEN CARRIER: 1

PROTEIN KINASE C INTERACTING PROTEIN: 3

SIGNALING PROTEIN / CELL ADHESION: 1

ANTIFREEZE PROTEIN: 29

CA-BINDING PROTEIN/MOTOR PROTEIN: 3

TRANSFERASE/VIRAL PROTEIN: 7

IMMUNE SYSTEM/PROTEIN BINDING: 4

MERCURY DETOXIFICATION: 2

HYDROLASE,LYASE/DNA: 4

TRANSFERASE: 14697

TRANSPORT PROTEIN/RECEPTOR: 1

SIGNALING PROTEIN,ENDOCYTOSIS/EXOCYTOSIS: 2

COMPLEX (AMINOACYL-TRNA SYNTHASE/TRNA): 1

DEOXYRIBONUCLEASE: 1

APOPTOSIS REGULATOR: 1

TRANSFERASE/DNA, LIGASE/DNA: 9

ACETYLCHOLINE-BINDING PROTEIN, ACHBP: 1

TRANSFERASE/RNA/DNA: 2

RNA BINDING: 1

DNA/METAL BINDING PROTEIN: 1

HYDROLASE (METALLOPROTEINASE): 5

METAL BINDING PROTEIN/IMMUNE SYSTEM: 1

STRUCTURAL PROTEIN, SIGNALING PROTEIN: 3

VIRAL PROTEIN / IMMUNE SYSTEM: 1

OXYGEN BINDING, OXYGEN TRANSPORT: 3

STREPTAVIDIN PEPTIDE 11101 COMPLEX: 1

TRANSFERASE/DNA/TRANSFERASE INHIBITOR: 3

ADP BINDING PROTEIN: 2

COMPLEX(LECTIN/TRANSFERRIN): 1

HYDROLASE ZYMOGEN (SERINE PROTEINASE): 7

OXIDOREDUCTASE/PROTEIN BINDING: 10

TRANSPORT PROTEIN,MEMBRANE PROTEIN: 1

LYASE/PEPTIDE: 1

DNA BINDING PROTEIN/PROTEIN BINDING: 5

PROTEIN TRANSPORT/EXCHANGE FACTOR: 3

TRANSLATION/PROTEIN BINDING: 2

COMPLEX (POLYMERASE/HYDROLASE): 1

HEME PROTEIN OF ELECTRON TRANSPORT: 1

MEMBRANE PROTEIN, PHOTOSYNTHESIS: 1

MEMBRANE TRANSPORT: 3

LIGASE (ATP-BINDING): 1

VIRUS/VIRAL PROTEIN RECEPTOR: 1

ISOMERASE/DNA/INHIBITOR: 3

TRANSCRIPTION REPRESSOR: 10

SOLUTE-BINDING PROTEIN: 41

COMPLEX (OXIDOREDUCTASE/TRANSFERASE): 2

ANTIOXIDANT ENZYME: 2

HYDROLASE/ISOMERASE/IMMUNOSUPPRESSANT: 2

COPPER PROTEIN: 2

HYDROLASE(ALPHA-AMINOACYLPEPTIDE): 4

LIGASE IMP: 1

MEMBRANE BINDING PROTEIN: 5

SERINE CARBOXYPEPTIDASE: 2

CHOLINE-BINDING-PROTEIN: 1

OXIDOREDUCTASE (CH-NH(D)-NAD OR NADP(A)): 1

ELECTRON TRANSPORT, PHOTOSYNTHESIS: 6

CALCIUM BINDING PROTEIN/TRANSFERASE: 1

TRANSFERASE, IMMUNE SYSTEM/METAL BINDING: 1

HYDOLASE INHIBITOR: 1

BINDING PROTEIN: 32

COMPLEX (TRANSFERASE/PEPTIDE): 9

FATTY ACID BINDING PROTEIN/HYDROLASE: 4

CHAPERONE/ADHESIN COMPLEX: 1

TOXIN/STRUCTURAL PROTEIN: 7

ANTAGONIST: 7

BLOOD CLOTTING/BLOOD CLOTTING INHIBITOR: 1

ANTIBIOTIC, ANTIMICROBIAL PROTEIN: 1

CHEMOTAXIS: 11

HYDROLASE-TRANSPEPTIDASE: 2

HYDROLASE/DNA: 540

TRANSFERASE/ACTIVATOR: 2

TRANSFERASE/ELECTRON TRANSPORT/DNA: 15

OCTOPINE-BINDING PROTEIN: 1

IMMUNE SYSTEM/PROTON TRANSPORT: 2

HORMONE/HORMONE INHIBITOR: 3

LIGASE/LIGASE INHIBITOR: 199

ZN BINDING PROTEIN: 1

TRANSCRIPTION,SIGNALING PROTEIN: 1

CONTRACTILE PROTEIN, STRUCTURAL PROTEIN: 3

CONTRACTILE PROTEIN/CONTRACTILE PROTEIN: 1

UNKNOWN PROTEIN: 3

XYLANASE A: 1

BACTERIAL CELL DIVISION INHIBITOR: 1

COMPLEX (PROTEIN KINASE/CYCLIN): 1

OXIDOREDUCTASE(CYTOCHROME): 3

PENTAPEPTIDE REPEAT PROTEIN: 2

STRUCTURAL REGULATION PROTEIN: 1

TRANSFERASE, RIBOSOMAL PROTEIN: 1

DNA/PEPTIDE NUCLEIC ACID: 1

COMPLEX (SMALL GTPASE/NUCLEAR PROTEIN): 1

RNA BINDING PROTEIN/ANTIMICROBIAL: 1

NUCLEIC ACID (HNA/RNA): 1

HYDROLASE (SERINE PROTEASE): 16

DNA BINDING PROTEIN/INHIBITOR: 21

CARBOXYSOME: 3

ANTIBIOTIC BINDING PROTEIN/ANTIBIOTIC: 1

PEPTIDE TRANSPORT: 1

NITRIC OXIDE TRANSPORT: 3

LIPID BINDING PROTEIN/IMMUNE SYSTEM: 1

PEPTIDE/ANTIBIOTIC: 3

ZINC ENDOPEPTIDASE: 4

LIPID TRANSPORT/OXIDOREDUCTASE: 1

VIRAL PROTEIN, RECOMBINATION: 2

HYDROLASE (SERINE ESTERASE): 38

MEMBRANE PROTEIN, TRANSPORT PROTEIN: 46

REPLICATION, RNA BINDING PROTEIN: 1

OXIDOREDUCTASE/ELECTRON TRANSPORT: 63

VIRAL PROTEIN/CELL ADHESION: 1

SIGNALING PROTEIN/TRANSCRIPTION/INHIBITO: 1

CELLULOSE-BINDING PROTEIN: 4

SUGAR BINDING PROTEIN/ANTIBIOTIC: 3

IMMUNE SYSTEM-VIRAL PROTEIN: 1

DNA REPAIR: 10

AMINO-ACID BINDING PROTEIN: 1

BIOTIN: 1

C-TYPE LECTIN: 1

SIGNALING PROTEIN,TRANSFERASE: 14

SURFACTANT PROTEIN: 4

ACTIN CYTOSKELETON: 1

TRANSHYDROGENASE: 1

CALCIUM BINDING PROTEIN/MEMBRANE PROTEIN: 3

GLYCOSIDASE: 18

HYDROLASE/LECTIN: 1

TRANSFERASE ACTIVATOR/TRANSFERASE: 11

PLASMA PROTEIN: 16

HYDROLASE REGULATOR/VIRAL PROTEIN: 2

CHITIN-BINDING PROTEIN: 7

SERINE PROTEINASE INHIBITOR: 5

ANTIBIOTIC/ANTIBIOTIC INHIBITOR: 6

ADP-RIBOSE-BINDING-PROTEIN: 1

SERUM PROTEIN: 1

TRANSCRIPTION/SUGAR BINDING PROTEIN: 1

TRANSCRIPTION: 2742

T-RNA: 6

ANTI-AMPICILLIN ANTIBODIES: 1

OXIDOREDUCTASE/IMMUNE SYSTEM: 6

ANTI-HIV PROTEIN: 1

HYDROLASE (GUANYLORIBONUCLEASE): 5

HYDROLASE(METALLOPROTEINASE): 5

COMPLEX (CHEMOTAXIS/PEPTIDE): 1

STRUCTURAL GENOMICS, UNKNOWN FUNCTION: 1189

DE NOVO PROTEIN, PROTEIN BINDING: 5

SURFACE ACTIVE PROTEIN: 10

DNA, RNA: 5

TRANSFERASE/DNA/INHIBITOR: 10

OXIDOREDUCTASE (CYTOCHROME(C)-OXYGEN): 1

TRANSFERASE/DNA/RNA: 15

TRANSCRIPTION REGULATION COMPLEX: 1

HYDROLASE/MEMBRANE PROTEIN: 4

IMMUNE SYSTEM/ION TRANSPORT: 2

DNA BINDING PROTEIN, CHAPERONE: 1

POLYMERASE: 9

OXYGEN BINDING: 57

COMPLEX (TRANSDUCER/TRANSDUCTION): 2

TRANSFERASE / TRANSFERASE INHIBITOR: 2

CLATHRIN: 1

CELL ADHESION/IMMUNE SYSTEM: 22

PHOSPHOLIPASE A2 INHIBITOR: 1

MEMBRANE PROTEIN, RECEPTOR: 2

BIOSYNTHETIC PROTEIN, RNA BINDING: 1

HYDROLASE, STRUCTURAL PROTEIN: 1

HYDROGENASE: 4

MAJOR HISTOCOMPATIBILITY COMPLEX: 1

INOSITOL POLYPHOSPHATE BINDING PROTEIN: 1

HYDROLASE/ANTIBIOTIC/INHIBITOR: 1

XYLANASE: 3

NAD(P) BINDING PROTEIN: 1

NON SPECIFIC MONO-ESTERASE: 3

ALDOLASE: 3

DNA BINDING PROTEIN/LIGASE: 3

SIGNALING PROTEIN RECEPTOR: 3

ACARBOSE: 1

PEPTIDE: 1

GLYCEROL-BINDING PROTEIN: 1

BMP BINDING PROTEIN: 1

COMPLEX (INHIBITOR PROTEIN/KINASE): 1

PLANT PROTEIN, LYASE: 1

CA-BINDING PROTEIN: 3

TRANSCRIPTION/MEMBRANE PROTEIN: 1

GTP-BINDING PROTEIN: 16

CONTRACTILE PROTEIN/PEPTIDE: 1

DIESTER-BINDING PROTEIN: 1

TRANSCRIPTIONAL STIMULATOR,DIMERIZATION: 1

CHAPERONE/SURFACE ACTIVE PROTEIN: 2

CELL CYCLE/LIGASE: 1

VIRAL PROTEIN, HYDROLASE/INHIBITOR: 4

INHIBITOR/APOPTOSIS: 3

FERREDOXIN: 1

MEMBRANE PROTEIN, HORMONE: 3

CONTRACTILE PROTEIN/STRUCTURAL PROTEIN: 1

PYRIDOXAL PHOSPHATE: 1

HYDROLASE(ACTING ON LINEAR AMIDES): 1

HYDROLASE(SERINE PROTEINASE): 20

IRON PROTEIN: 2

BACTERIAL CELL DIVISION: 1

HYDROLASE/HUDROLASE INHIBITOR: 1

TRANSPORT PROTEIN, TOXIN: 1

HORMONE/PEPTIDE: 1

TRANSCRIPTION/DNA BINDING PROTEIN/DNA: 2

TRANFERASE/DNA: 2

TRANSPORT PROTEIN,SIGNALING PROTEIN/DNA: 1

LYASE(CARBON-CARBON): 9

PEPTIDE SYNTHETASE: 1

CHLOROPHYLL BINDING PROTEIN: 1

RECEPTOR INHIBITOR: 1

PROTEINASE INHIBITOR: 5

PROTEIN TRANSPORT/PROTEIN TRANSPORT INHI: 1

CONTRACTILE PROTEIN/TRANSCRIPTION: 1

METAL BINDING PROTEIN, ONCOPROTEIN: 1

TRANSFERASE, BLOOD CLOTTING: 1

PROTEIN BINDING, TRANSFERASE: 5

VIRAL PROTEIN/SIGNALING PROTEIN: 1

TRANSPORT PROTEIN/ANTIBIOTIC: 1

HYDROLASE/HORMONE RECEPTOR: 2

CARBON-OXYGEN LYASE: 12

IMMUNE SYSTEM, LYSOZYME: 1

OXIDOREDUCTASE (CH-OH(D)-CYTOCHROME(A)): 1

ANION TRANSPORT: 2

TRANSMEMBRANE PROTEIN: 7

TRANSFERASE, PEPTIDE BINDING PROTEIN: 1

HYDROLASE/LYASE: 2

ZN-BINDING PROTEIN: 6

IMMUNE SYSTEM, HYDROLASE: 1

TRANSFERASE/TRANSFERASE BINDING PROTEIN: 2

HYDROLASE, METAL BINDING PROTEIN: 10

SIGNALING PROTEIN/CELL ADHESION: 1

LYASE, ISOMERASE: 11

LUMINESCENCE: 6

LIPOCALIN: 7

FUNGAL TOXIC ELICITOR: 1

HYDROLASE/CELL ADHESION: 3

PENICILLIN BINDING PROTEIN: 4

CELL CYCLE/TRANSCRIPTION: 1

CYTOKINE: 116

DNA BINDING PROTEIN, GENE REGULATION: 1

TOXIN, HYDROLASE: 6

OXIDOREDUCTASE (OXYGEN(A)): 1

METAL BINDING PROTEIN, OXIDOREDUCTASE: 5

ELECTRON TRANSPORT (CYTOCHROME): 7

HYDROLASE (UREA AMIDO): 2

VIRAL PROTEIN/ENDOCYTOSIS: 1

HYDROLASE ACTIVATOR/PROTEIN TRANSPORT: 3

HYDROGEN ION TRANSPORT: 1

PROTEIN BINDING/LIGASE: 3

RETINOL-BINDING PROTEIN: 14

IRON-SULFUR PROTEIN: 5

PROTEIN TRANSPORT/PROTEIN BINDING: 7

PEPTIDE NUCLEIC ACID/DNA: 2

PROTEIN TRANSPORT/ANTIBIOTIC: 10

NAD-BINDING PROTEIN: 1

HYDROLASE/TRANSCRIPTION: 6

HORMONE RECEPTOR/CELL ADHESION: 1

ANDROGEN RECEPTOR: 2

PROTEIN TRANSLOCATION: 4

COMPLEX (IMMUNORECEPTOR/IMMUNOGLOBULIN): 1

ANTITUMOR: 1

HYDROLASE(ACTING IN CYCLICAMIDINES): 1

HYDROLASE, ALLERGEN: 2

COMPLEX (CYTOKINE RECEPTOR/ANTAGONIST): 1

VIRAL PROTEIN/LIPID BINDING PROTEIN: 1

NEUROPEPTIDE: 18

LEUCINE ZIPPERS: 1

TRANSCRIPTION ACTIVATOR/ANTIBIOTIC: 2

ELECTRON TRANSFER (IRON-SULFUR PROTEIN): 7

SIGNALING PROTEIN/RNA: 15

HYDROLASE, SUGAR BINDING PROTEIN: 4

HYDROLASE/RECOMBINATION: 1

PRE-MRNA PROCESSING PROTEIN: 1

HYDROLASE/OXIDOREDUCTASE: 1

LIGASE/ANTIBIOTIC: 3

COMPLEX (TRANSFERASE/INHIBITOR): 1

DNA BINDING PROTEIN,RNA BINDING PROTEIN: 1

FLUORESCENT PROTEIN/PROTEIN BINDING: 1

CYSTEINE PROTEASE INHIBITOR: 2

OXIDOREDUCTASE(ALDEHYDE(D),NAD+(A)): 2

METAL BINDING PROTEIN/PEPTIDE: 1

B-LACTAM ANTIBIOTIC: 4

GTP-BINDING PROTEIN/HYDROLASE: 1

PROTEINASE INHIBITOR(CHYMOTRYPSIN): 3

OXIDOREDUCTASE(CHOH(D)-NAD(A)): 5

PTERIDINE REDUCTASE: 1

TEXTURE OF CONNECTIVE TISSUE: 6

METAL BINDING PROTEIN, HYDROLASE: 8

REPRESSOR: 4

VIRAL PROTEIN/REPLICATION INHIBITOR: 2

ANTIMICROBIAL PROTEIN: 135

TRANPORT PROTEIN, MEMBRANE PROTEIN: 2

STRUCTURAL PROTEIN, CELL CYCLE: 1

OXIDOREDUCTASE/RNA BINDING PROTEIN: 1

HORMONE RECEPTOR: 119

HORMONE INHIBITOR: 1

PYROPHOSPHORYLASE: 1

TRANSFERASE/PEPTIDE: 57

TRANSLATION/RNA: 17

NEURAL ADHESION MOLECULE: 1

VIRAL PROTEIN, SUGAR BINDING PROTEIN: 2

SIGNALING PROTEIN, HYDROLASE/ANTIBIOTIC: 1

HYDROLASE REGULATOR: 6

TRANSFERASE, DNA BINDING PROTEIN: 8

KETOLISOMERASE: 3

PRION-BINDING PROTEIN: 2

OXO-ACID-LYASE: 13

BIOSYNTHETIC PROTEIN/PROTEIN BINDING: 2

COMPLEX (ISOMERASE/KINASE): 3

ATTRACTANT: 7

COMPLEX(GTPASE ACTIVATN/PROTO-ONCOGENE): 1

PROTEINASE INHIBITOR(TRYPSIN): 1

TRANSCRIPTION REPRESSOR/INHIBITOR: 9

ELECTRON TRANSPORT(IRON-SULFUR): 4

ANTIBIOTICS/DNA: 1

TRANSFERASE/CELL CYCLE: 25

SUGAR BINDING PROTEIN/PEPTIDE: 1

TRANSFERASE(METHYLTRANSFERASE): 4

TRANSPORT PROTEIN/TOXIN: 13

PROTEIN BINDING/PROTEIN BINDING: 2

PROTEIN BINDING/PROTEIN TRANSPORT: 3

BACTERIAL SUPERANTIGEN: 1

SIGNALING PROTEIN/SIGNALING ACTIVATOR: 2

HYDROLASE/TRANSLATION: 1

COMPLEX (SERINE PROTEINASE/PROSEGMENT): 1

MATRIX METALLOPROTEASE: 3

ENDODEOXYRIBONUCLEASE: 1

PROTEIN TRANSPORT,SUGAR BINDING PROTEIN: 3

COILED COIL: 4

PHOSPHOPANTETHEINE BINDING PROTEIN: 3

GLYCOGEN PHOSPHORYLASE: 17

PEROXIDASE (DONOR: H2O2 OXIDOREDUCTASE): 1

OXIDOREDUCTASE/DNA: 44

CHAPERONE/DNA: 1

HORMONE RECEPTOR/HORMONE RECEPTOR: 1

ACETYLCHOLINE RECEPTOR ANTAGONIST: 2

PHOSPHOTRIESTERASE: 2

PROTEIN TRANSPORT/NUCLEAR PROTEIN/RNA: 1

SYNTHETASE: 4

COAGULATION FACTOR BINDING: 1

FUSION PROTEIN: 4

MOTOR PROTEIN, CALCIUM BINDING PROTEIN: 1

TRANSPORT/NUCLEAR PROTEIN: 1

LYASE (ALDEHYDE): 10

SERINE PROTEASE HOMOLOG: 2

DRUG-BINDING PROTEIN: 2

HYDROLASE (ALPHA-AMINOACYLPEPTIDE): 3

NUCLEOTIDE MONOPHOSPHATE KINASE: 1

MOTOR PROTEIN, TRANSPORT PROTEIN: 1

VIRAL PROTEIN/NUCLEAR PROTEIN: 1

YEAST PROTEIN: 1

INSECT IMMUNITY: 1

MEMBRANE PROTEIN/IMMUNE SYSTEM: 13

HEMAGGLUTININ: 1

PHOSPHOTRANSFERASE (CARBOXYL ACCEPTOR): 1

LIGASE, CHAPERONE: 1

TRANSCRIPTION/RECEPTOR/AGONIST: 1

BIOTIN-BINDING PROTEIN/PEPTIDE: 1

COMPLEX (ANTIBODY/PEPTIDE EPITOPE): 1

CELL CYCLE, LIGASE: 2

LYASE(ALDEHYDE): 1

ELECTRON TRANSPORT(HEME PROTEIN): 14

TRANSPORT, LIGAND BINDING PROTEIN: 2

ELECTRON TRANSFER(CUPROPROTEIN): 7

TRANSFERASE, CELL INVASION: 1

STRUCTURAL PROTEIN/TRANSCRIPTION: 1

TOXIN, TRANSFERASE: 1

CONTRACTILE PROTEIN/TRANSFERASE: 1

CHAPERONE/STRUCTURAL/MEMBRANE PROTEIN: 1

IMMUNE SYSTEM/TRANSPORT: 1

ENDOCYTOSIS, HYDROLASE: 1

TRANSCRIPTION, TRANSFERASE/RNA: 1

STRUCTURAL GENOMICS, UNKNOWN FUNCTION: 2

COMPLEX (IDIOTOPE-ANTIIDIOTOPE): 1

HYDROLASE/ANTIBODY: 6

PROTEIN TRANSPORT, RNA BINDING PROTEIN: 2

HISTIDINE-BINDING PROTEIN: 1

REPLICATION ACTIVATOR/DNA: 1

MEMBRANE PROTEIN/ANTIBIOTIC: 12

MRNA PROCESSING: 3

TRANSLATION/HYDROLASE: 2

SACCHARIDE BINDING PROTEIN: 1

TRANSMEMBRANE: 1

CARBOHYDRATE KINASE: 1

DIHYDROLIPOAMIDE ACETYLTRANSFERASE: 5

TERNARY COMPLEX (ZYMOGEN): 1

TRASCRIPTION/TRANSCRIPTION INHIBITOR: 1

CAMP-BINDING PROTEIN: 1

CYTOKINE/CYTOKINE INHIBITOR: 1

PROTEIN BINDING/LIGASE/TRANSFERASE: 1

ANTITOXIN: 13

PROTEIN TRANSPORT,ANTIMICROBIAL PROTEIN: 1

ADHESION PROTEIN: 1

REPLICATION, CHAPERONE: 1

DNA BINDING PROTEIN/HYDROLASE/DNA: 1

TRANSCRIPTION/NUCLEAR PROTEIN: 5

DNA/TRANSFERASE: 5

IMMUNE SYSTEM-VIRAL PROTEIN COMPLEX: 2

ANTI-COAGULANT: 2

MEMBRANE PROTEIN / HYDROLASE: 1

TRANSFERASE/NUCLEAR PROTEIN: 4

TOXIN, HYDROLASE INHIBITOR: 1

TRANSCRIPTION REGULATOR: 1

VIRAL PROTEIN/DNA/INHIBITOR: 1

REPLICATION INHIBITOR/DNA: 1

MANNOSE-BINDING PROTEIN: 1

METALLOTHIONEIN: 17

HYDROLASE(SERINE PROTEASE): 13

TRANSCRIPTION REGULATOR / RIBOSOMAL PROT: 1

ANTIVIRAL PROTEIN,SUGAR BINDING PROTEIN: 1

METAL BINDING PROTEIN, LIPID BINDING PRO: 1

SUGAR BINDING PROTEIN, TRANSFERASE: 1

TONB DEPENDENT RECEPTOR: 2

HYDROLASE/HYDROLASE RECEPTOR: 4

CELL CYCLE/TRANSFERASE SUBSTRATE: 1

TRANSPORT PROTEIN/HYDROLASE ACTIVATOR: 2

ISOMERASE/RNA BINDING PROTEIN: 1

OXIDOREDUCTASE/ANTIBIOTIC: 18

OXIDOREDUCTASE(SUPEROXIDE ACCEPTOR): 6

MEMBRANE PROTEIN: 1495

TRANSFERASE, CELL ADHESION: 3

HUMAN PROGESTERONE RECEPTOR: 1

COMPLEX (CALCIUM-BINDING/TRANSFERASE): 1

HYDROLASE/HYDROLASE INBITITOR: 2

PROTEIN BINDING/SIGNALING PROTEIN: 4

HORMONE RECEPTOR/PEPTIDE: 25

SIGNALING PROTEIN INHIBITOR: 2

PENTOSYLTRANSFERASE: 9

LIPID TRANSPORT, ENDOCYTOSIS/EXOCYTOSIS: 1

PLANT PROTEIN, BIOSYNTHETIC PROTEIN: 1

ANTIMICROBIAL PROTEIN, VIRAL PROTEIN: 1

TOXIN/SUGAR BINDING PROTEIN: 1

LYASE, HYDROLASE: 6

LIGAND BINDING PROTEIN, BLOOD CLOTTING: 4

TRANSFERASE/DNA, RNA: 2

COMPLEX (SERINE PROTEASE/PEPTIDE): 1

TRANSFERASE/CHEMOTAXIS: 1

VIRUS/IMMUNE SYSTEM: 10

ELECTRON TRANSPORT, MEMBRANE PROTEIN: 1

ELECTRON TRANSPORT PROTEIN (CYTOCHROME): 7

GENE REGULATING PROTEIN: 1

AMINE OXIDASE: 1

SUGAR BINDING PROTEIN, LYASE: 2

TYROSINE PHOSPHATASE: 1

HYDROLASE, RNA BINDING PROTEIN/RNA: 1

IMMUNE SYSTEM, SIGNALING PROTEIN: 1

TRANSCRIPTIONAL REGULATION: 5

SIGNAL TRANSDUCTION: 8

IMMUNOGLOBULIN(PART)SEQUESTERS ANTIGENS: 1

VIRAL PROTEIN/DNA: 10

METAL BINDING, STRUCTURAL PROTEIN: 1

SENSORY TRANSDUCTION: 1

LYASE, DNA BINDING PROTEIN: 1

HYDROLASE (O-GLYCOSYL): 120

CHOLINE-BINDING DOMAIN: 4

PHOSPHOLIPID-BINDING PROTEIN: 1

COLLAGEN-BINDING TYPE II DOMAIN: 1