

Heat Stress Responsive <i>Zostera noltii</i> Genes, Northern Population ($\alpha=0.01$)	
METACYC ID	Description
A0AR23	GO:0004842 (ubiquitin-protein ligase)
A1XQQ5	
A1ZA72	GO:0004687 (myosin light chain kinase)
A2A7F7	GO:0004489 (methylenetetrahydrofolate reductase (NADPH))
A2AGL8	GO:0004842 (ubiquitin-protein ligase)
A5N5C7	
A5WUL6	GO:0004129 (cytochrome-c oxidase)
A9LDD9	GO:0004372 (glycine hydroxymethyltransferase)
B1ANK7	
B2R5V5	
B3DGQ0	GO:0004842 (ubiquitin-protein ligase)
B4K9W3	
O00217	GO:0008137 (NADH dehydrogenase (ubiquinone))
O00391	GO:0016971 (flavin-linked sulfhydryl oxidase)
O04130	GO:0004617 (phosphoglycerate dehydrogenase)
O04147	GO:0004112 (cyclic-nucleotide phosphodiesterase)
O04277	
O04373	GO:0010179 (IAA-Ala conjugate hydrolase)
O04379	GO:0004521 (endoribonuclease)
O04847	
O04885	
O04896	
O04897	
O04905	GO:0009041 (uridylate kinase)
O04928	GO:0004605 (phosphatidate cytidyltransferase)
O04983	GO:0003989 (acetyl-CoA carboxylase)
O08560	GO:0004143 (diacylglycerol kinase)
O08841	
O13696	GO:0004449 (isocitrate dehydrogenase (NAD ⁺))
O13792	GO:0004004 (ATP-dependent RNA helicase)
O13811	GO:0015035 (protein disulfide oxidoreductase)
O13849	GO:0004185 (serine-type carboxypeptidase)
O13877	GO:0003899 (DNA-directed RNA polymerase)
O14295	GO:0050236 (pyridoxine 4-dehydrogenase)
O14459	GO:0003899 (DNA-directed RNA polymerase)
O15067	GO:0004642 (phosphoribosylformylglycinamide synthase)
O16299	GO:0016787 (hydrolase)
O18767	
O20250	GO:0004802 (transketolase)
O22141	
O22190	GO:0010279 (indole-3-acetic acid amido synthetase)
O22203	GO:0046409 (p-coumarate 3-hydroxylase)
O22207	GO:0004843 (ubiquitin-specific protease)
O22213	GO:0019139 (cytokinin dehydrogenase)
O22229	GO:0004791 (thioredoxin-disulfide reductase)
O22287	GO:0004475 (mannose-1-phosphate guanylyltransferase)
O22476	GO:0004674 (protein serine/threonine kinase)

O22609	GO:0008236 (serine-type peptidase)
O22932	GO:0004672 (protein kinase)
O23044	GO:0004601 (peroxidase)
O23066	GO:0008393 (fatty acid (omega-1)-hydroxylase)
O23141	GO:0008792 (arginine decarboxylase)
O23166	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
O23206	GO:0004177 (aminopeptidase)
O23234	GO:0008757 (S-adenosylmethionine-dependent methyltransferase)
O23255	GO:0004013 (adenosylhomocysteinase)
O23299	GO:0004165 (dodecenoyl-CoA delta-isomerase)
O23461	GO:0009702 (L-arabinokinase)
O23512	GO:0016788 (hydrolase activity, acting on ester bonds)
O23627	
O23680	GO:0003924 (GTPase)
O23722	GO:0004163 (diphosphomevalonate decarboxylase)
O23761	
O24035	
O24325	
O24435	GO:0004672 (protein kinase)
O24454	GO:0004843 (ubiquitin-specific protease)
O24496	GO:0004416 (hydroxyacylglutathione hydrolase)
O24529	
O24621	GO:0003899 (DNA-directed RNA polymerase)
O30561	
O30612	
O32028	
O34125	
O35730	GO:0004842 (ubiquitin-protein ligase)
O35940	
O48723	GO:0016298 (lipase)
O48958	
O48962	GO:0000247 (C-8 sterol isomerase)
O49081	
O49196	GO:0004020 (adenylylsulfate kinase)
O49213	GO:0050577 (GDP-L-fucose synthase)
O49218	
O49432	GO:0004650 (polygalacturonase)
O49434	GO:0047652 (allantoate deiminase)
O49499	GO:0042409 (caffeoyl-CoA O-methyltransferase)
O49543	GO:0031071 (cysteine desulfurase)
O49562	GO:0004721 (phosphoprotein phosphatase)
O49857	
O50008	GO:0008705 (methionine synthase)
O54199	
O55055	
O55234	GO:0008233 (peptidase)
O58651	
O58762	

O59413	
	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
O59941	
O60078	GO:0004665 (prephenate dehydrogenase (NADP+))
O60260	GO:0004842 (ubiquitin-protein ligase)
O60762	GO:0004582 (dolichyl-phosphate beta-D-mannosyltransferase)
O60832	GO:0003720 (telomerase)
O60869	GO:0008168 (methyltransferase)
O64425	GO:0004842 (ubiquitin-protein ligase)
O64437	
O64470	GO:0016410 (N-acyltransferase)
O64517	GO:0008234 (cysteine-type peptidase)
O64530	GO:0016784 (3-mercaptopyruvate sulfurtransferase)
	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
O64654	
O64763	GO:0004842 (ubiquitin-protein ligase)
O64867	GO:0004842 (ubiquitin-protein ligase)
O64883	GO:0019137 (thioglucosidase)
O64903	GO:0004550 (nucleoside diphosphate kinase)
O64925	
O65041	GO:0019781 (NEDD8 activating enzyme)
O65351	GO:0004252 (serine-type endopeptidase)
O65572	GO:0045549 (9-cis-epoxycarotenoid dioxygenase)
	GO:0016709 (oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, NADH or NADPH as one donor, and incorporation of one atom of oxygen)
O65782	
O65876	
O65896	GO:0004126 (cytidine deaminase)
O67577	
O70196	GO:0004175 (endopeptidase)
O73884	
O74475	GO:0003843 (1,3-beta-glucan synthase)
O74635	GO:0003899 (DNA-directed RNA polymerase)
O74850	GO:0004144 (diacylglycerol O-acyltransferase)
O74856	GO:0000175 (3'-5'-exoribonuclease)
O74880	GO:0004482 (mRNA (guanine-N7-)-methyltransferase)
O75251	GO:0003954 (NADH dehydrogenase)
O75643	GO:0008026 (ATP-dependent helicase)
O75947	GO:0016887 (ATPase)
O76463	GO:0047710 (bis(5'-adenosyl)-triphosphatase)
O80013	
O80345	GO:0019912 (cyclin-dependent protein kinase activating kinase)
O80396	GO:0004708 (MAP kinase kinase)
O80397	GO:0004708 (MAP kinase kinase)
O80433	
O80437	GO:0003841 (1-acylglycerol-3-phosphate O-acyltransferase)
O80452	GO:0003876 (AMP deaminase)
O80477	GO:0016788 (hydrolase activity, acting on ester bonds)
O80574	GO:0008839 (dihydrodipicolinate reductase)

O80575	GO:0000906 (6,7-dimethyl-8-ribityllumazine synthase)
O80725	GO:0008559 (xenobiotic-transporting ATPase)
O80840	GO:0004615 (phosphomannomutase)
O80852	GO:0004602 (glutathione peroxidase)
O80860	
O80871	GO:0004722 (protein serine/threonine phosphatase)
O81108	GO:0005388 (calcium-transporting ATPase)
O81210	GO:0016174 (NAD(P)H oxidase)
O81235	GO:0004784 (superoxide dismutase)
O81413	
O81635	GO:0016887 (ATPase)
O81646	
O81770	GO:0046509 (1,2-diacylglycerol 3-beta-galactosyltransferase)
O81852	GO:0004412 (homoserine dehydrogenase)
O81884	GO:0010349 (L-galactose dehydrogenase)
O82030	
O82110	
O82162	GO:0030946 (protein tyrosine phosphatase activity, metal-dependent)
O82175	GO:0042054 (histone methyltransferase)
O82239	GO:0004842 (ubiquitin-protein ligase)
O82413	
O82462	
O82567	
O82730	GO:0046509 (1,2-diacylglycerol 3-beta-galactosyltransferase)
O82782	GO:0003949 (1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino]imidazole-4-carboxamide isomerase)
O82796	GO:0004647 (phosphoserine phosphatase)
O88484	GO:0004741 ([pyruvate dehydrogenase (lipoamide)] phosphatase)
O88766	GO:0008237 (metallopeptidase)
O89106	GO:0047710 (bis(5'-adenosyl)-triphosphatase)
O94703	GO:0003899 (DNA-directed RNA polymerase)
O94911	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
O95271	GO:0003950 (NAD+ ADP-ribosyltransferase)
O95363	GO:0004826 (phenylalanine-tRNA ligase)
O95391	GO:0000386 (second spliceosomal transesterification)
O96787	
O96788	
O96989	GO:0043138 (3'-5' DNA helicase)
O97159	GO:0016887 (ATPase)
P00128	GO:0008121 (ubiquinol-cytochrome-c reductase)
P00401	GO:0004129 (cytochrome-c oxidase)
P00560	GO:0004618 (phosphoglycerate kinase)
P00582	
P00784	
P00830	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P00846	GO:0016887 (ATPase)

P00854	GO:0016887 (ATPase)
P00899	GO:0004049 (anthranilate synthase)
P00950	GO:0004619 (phosphoglycerate mutase)
P00956	
P00962	
P02829	GO:0042623 (ATPase activity, coupled)
P02992	GO:0003924 (GTPase)
P04785	GO:0003756 (protein disulfide isomerase)
P04801	GO:0004829 (threonine-tRNA ligase)
P04802	GO:0004815 (aspartate-tRNA ligase)
P04805	
P04825	
P05116	
P05130	GO:0004674 (protein serine/threonine kinase)
P05149	
P05314	
P05466	GO:0003866 (3-phosphoshikimate 1-carboxyvinyltransferase)
P05772	
P05895	
P06576	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P06634	GO:0003724 (RNA helicase)
P07143	GO:0045153 (electron transporter, transferring electrons within CoQH2-cytochrome c reductase complex)
P07154	GO:0004177 (aminopeptidase)
P07237	GO:0004656 (procollagen-proline 4-dioxygenase)
P07251	GO:0016887 (ATPase)
P07284	GO:0004828 (serine-tRNA ligase)
P07639	
P07813	
P07834	GO:0004842 (ubiquitin-protein ligase)
P07991	
P08179	
P08461	GO:0004742 (dihydrolipoyllysine-residue acetyltransferase)
P08678	GO:0004016 (adenylate cyclase)
P08879	GO:0016301 (kinase)
P09034	GO:0004055 (argininosuccinate synthase)
P09436	GO:0004822 (isoleucine-tRNA ligase)
P09440	GO:0004488 (methylenetetrahydrofolate dehydrogenase (NADP+))
P09668	GO:0004197 (cysteine-type endopeptidase)
P0A3C9	GO:0009055 (electron carrier)
P0A6A0	
P0A6K3	
P0A717	
P0A840	
P0A850	
P0A887	
P0A8F4	
P0A8Y1	

P0A8Y5	
P0A9L5	
P0A9P9	
P0AB65	
P0AB89	
P0ABQ2	
P0ABU0	
P0ACC1	
P0ADF6	
P0AE18	
P0AEH1	
P0AG20	
POC028	GO:0008486 (diphosphoinositol-polyphosphate diphosphatase)
P10081	GO:0004004 (ATP-dependent RNA helicase)
P10363	GO:0003896 (DNA primase)
P10591	GO:0016887 (ATPase)
P10742	
P10902	
P10963	GO:0004612 (phosphoenolpyruvate carboxykinase (ATP))
P11017	GO:0003924 (GTPase)
P11446	
P11620	GO:0003924 (GTPase)
P12210	
P12340	
P12398	GO:0016887 (ATPase)
P12412	
P12694	GO:0003826 (alpha-ketoacid dehydrogenase)
P12883	GO:0030898 (actin-dependent ATPase)
P12904	GO:0004679 (AMP-activated protein kinase)
P13001	
P13114	GO:0016210 (naringenin-chalcone synthase)
P13280	
P13444	GO:0004478 (methionine adenosyltransferase)
P13678	
P13697	GO:0004473 (malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+))
P14133	
P14314	
P14540	GO:0004332 (fructose-bisphosphate aldolase)
P14654	
P14656	
P14671	GO:0004834 (tryptophan synthase)
P14832	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P15280	
P15347	
P15367	GO:0008233 (peptidase)
P15374	
P15424	GO:0008186 (RNA-dependent ATPase)
P15565	GO:0004809 (tRNA (guanine-N2-)-methyltransferase)

P15646	GO:0008168 (methyltransferase)
P15719	
P15873	GO:0030337 (DNA polymerase processivity factor)
P16016	
P16127	GO:0016887 (ATPase)
P16140	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P17597	GO:0003984 (acetolactate synthase)
P17606	
P17751	GO:0016853 (isomerase)
P17784	GO:0004332 (fructose-bisphosphate aldolase)
P17967	GO:0015035 (protein disulfide oxidoreductase)
P18064	GO:0003924 (GTPase)
P18203	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P18417	
P18544	GO:0003992 (acetylornithine transaminase)
P18769	
P18899	GO:0016887 (ATPase)
P19146	GO:0003924 (GTPase)
P19171	GO:0004568 (chitinase)
P19404	GO:0008137 (NADH dehydrogenase (ubiquinone))
P19456	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P19882	GO:0016887 (ATPase)
P20081	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P20133	GO:0004663 (Rab-protein geranylgeranyltransferase)
P20444	GO:0004698 (calcium-dependent protein kinase C)
P20447	GO:0008186 (RNA-dependent ATPase)
P20478	GO:0004356 (glutamate-ammonia ligase)
P20585	GO:0000701 (purine-specific mismatch base pair DNA N-glycosylase)
P20606	GO:0003924 (GTPase)
P20649	GO:0016887 (ATPase)
P20794	
P21127	GO:0004674 (protein serine/threonine kinase)
P21128	GO:0008236 (serine-type peptidase)
P21461	GO:0016874 (ligase)
P21565	GO:0003924 (GTPase)
P21801	GO:0008177 (succinate dehydrogenase (ubiquinone))
P21888	
P22082	GO:0008094 (DNA-dependent ATPase)
P22146	GO:0042124 (1,3-beta-glucanosyltransferase)
P22188	
P22333	
P22579	GO:0004407 (histone deacetylase)
P22696	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P22894	GO:0004252 (serine-type endopeptidase)
P23179	GO:0016889 (endodeoxyribonuclease activity, producing 3'-phosphomonoesters)
P23321	GO:0010242 (oxygen evolving)

P23396	GO:0004519 (endonuclease)
P23509	
P23686	GO:0004478 (methionine adenosyltransferase)
P23968	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P24101	GO:0004601 (peroxidase)
P24155	GO:0008233 (peptidase)
P24230	
P24384	GO:0000386 (second spliceosomal transesterification)
P24487	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P24555	
P24704	GO:0004784 (superoxide dismutase)
P24806	GO:0016762 (xyloglucan:xyloglucosyl transferase)
P25038	GO:0003924 (GTPase)
P25087	GO:0003838 (sterol 24-C-methyltransferase)
P25161	GO:0004175 (endopeptidase)
P25296	GO:0004723 (calcium-dependent protein serine/threonine phosphatase)
P25323	
P25345	GO:0004816 (asparagine-tRNA ligase)
P25372	GO:0015036 (disulfide oxidoreductase)
P25582	GO:0016435 (rRNA (guanine) methyltransferase)
P25627	GO:0016435 (rRNA (guanine) methyltransferase)
P25655	GO:0000175 (3'-5'-exoribonuclease)
P25656	GO:0004012 (phospholipid-translocating ATPase)
P25696	GO:0004634 (phosphopyruvate hydratase)
P25745	
P25856	
P25857	
P25865	GO:0004842 (ubiquitin-protein ligase)
P26221	
P26270	GO:0004175 (endopeptidase)
P26309	GO:0004842 (ubiquitin-protein ligase)
P26640	GO:0004832 (valine-tRNA ligase)
P27298	
P28274	GO:0003883 (CTP synthase)
P28331	GO:0008137 (NADH dehydrogenase (ubiquinone))
P28370	GO:0008094 (DNA-dependent ATPase)
P28715	GO:0004520 (endodeoxyribonuclease)
P28817	GO:0003860 (3-hydroxyisobutyryl-CoA hydrolase)
P29029	GO:0008843 (endochitinase)
P29102	
P29218	GO:0008934 (inositol-1(or 4)-monophosphatase)
P29448	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
P29503	GO:0004842 (ubiquitin-protein ligase)
P29829	GO:0003924 (GTPase)
P30041	GO:0004623 (phospholipase A2)
P30044	GO:0004601 (peroxidase)

P30063	
P30136	
P30713	GO:0004364 (glutathione transferase)
P30839	GO:0004028 (3-chloroallyl aldehyde dehydrogenase)
P31040	GO:0000104 (succinate dehydrogenase)
P31166	GO:0003999 (adenine phosphoribosyltransferase)
P31244	GO:0008094 (DNA-dependent ATPase)
P31383	GO:0004722 (protein serine/threonine phosphatase)
P31414	GO:0009678 (hydrogen-translocating pyrophosphatase)
P32333	GO:0016887 (ATPase)
P32345	GO:0004722 (protein serine/threonine phosphatase)
P32381	GO:0016887 (ATPase)
P32469	GO:0004164 (diphthine synthase)
P32473	GO:0004739 (pyruvate dehydrogenase (acetyl-transferring))
P32573	GO:0008670 (2,4-dienoyl-CoA reductase (NADPH))
P32643	GO:0046547 (trans-aconitate 3-methyltransferase)
P32664	
P32746	GO:0004152 (dihydroorotate dehydrogenase)
P32795	
P32835	GO:0003924 (GTPase)
P32836	GO:0003924 (GTPase)
P33298	GO:0016887 (ATPase)
P33309	GO:0004521 (endoribonuclease)
P33363	
P33760	GO:0016887 (ATPase)
P34099	
P34222	GO:0004045 (aminoacyl-tRNA hydrolase)
P34243	GO:0043141 (ATP-dependent 5'-3' DNA helicase)
P34314	GO:0004674 (protein serine/threonine kinase)
P34525	
P34756	GO:0000285 (1-phosphatidylinositol-3-phosphate 5-kinase)
P34790	
P34791	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P34896	GO:0004372 (glycine hydroxymethyltransferase)
P34897	GO:0004372 (glycine hydroxymethyltransferase)
P35055	
P35132	GO:0004842 (ubiquitin-protein ligase)
P35134	GO:0004842 (ubiquitin-protein ligase)
P35196	GO:0045547 (dehydrodolichyl diphosphate synthase)
P35434	GO:0016887 (ATPase)
P35559	GO:0016887 (ATPase)
P35579	GO:0030898 (actin-dependent ATPase)
P35580	GO:0030898 (actin-dependent ATPase)
P35670	
P36015	GO:0016409 (palmitoyltransferase)
P36017	GO:0003924 (GTPase)
P36048	GO:0003924 (GTPase)
P36051	GO:0051377 (mannose-ethanolamine phosphotransferase)
P36060	GO:0004128 (cytochrome-b5 reductase)

P36104	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
P36163	GO:0004222 (metalloendopeptidase)
P36421	GO:0004831 (tyrosine-tRNA ligase)
P36423	GO:0004796 (thromboxane-A synthase)
P36542	GO:0016887 (ATPase)
P36590	GO:0004798 (thymidylate kinase)
P36591	GO:0004146 (dihydrofolate reductase)
P36776	
P37271	
P37292	GO:0004372 (glycine hydroxymethyltransferase)
P37382	GO:0003899 (DNA-directed RNA polymerase)
P38077	GO:0016887 (ATPase)
P38116	GO:0003924 (GTPase)
P38132	GO:0043142 (single-stranded DNA-dependent ATPase)
P38197	GO:0008784 (alanine racemase)
P38205	GO:0016428 (tRNA (cytosine-5-)-methyltransferase)
P38219	GO:0016887 (ATPase)
P38230	GO:0003960 (NADPH:quinone reductase)
P38242	GO:0004577 (N-acetylglucosaminylidiphosphodolichol N-acetylglucosaminyltransferase)
P38298	GO:0017040 (ceramidase)
P38336	GO:0004526 (ribonuclease P)
P38418	GO:0016165 (lipoxygenase)
P38419	GO:0016166 (phytoene dehydrogenase)
P38555	GO:0003924 (GTPase)
P38629	GO:0016887 (ATPase)
P38632	GO:0019789 (SUMO ligase)
P38659	GO:0003756 (protein disulfide isomerase)
P38719	GO:0016887 (ATPase)
P38795	GO:0016811 (hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides)
P38797	GO:0004722 (protein serine/threonine phosphatase)
P38820	GO:0042292 (URM1 activating enzyme)
P38911	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P38913	GO:0003919 (FMN adenylyltransferase)
P38972	
P38989	GO:0016887 (ATPase)
P39206	
P39286	
P39517	GO:0003724 (RNA helicase)
P39524	GO:0004012 (phospholipid-translocating ATPase)
P39656	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)
P39726	GO:0004375 (glycine dehydrogenase (decarboxylating))
P40024	GO:0042624 (ATPase activity, uncoupled)
P40025	
P40160	GO:0004672 (protein kinase)
P40215	GO:0003954 (NADH dehydrogenase)
P40312	GO:0009055 (electron carrier)
P40318	GO:0004842 (ubiquitin-protein ligase)

P40341	GO:0008237 (metallopeptidase)
P40371	GO:0004722 (protein serine/threonine phosphatase)
P40581	GO:0047066 (phospholipid-hydroperoxide glutathione peroxidase)
P40938	GO:0016887 (ATPase)
P40945	GO:0003956 (NAD(P)+-protein-arginine ADP-ribosyltransferase)
P40989	GO:0003843 (1,3-beta-glucan synthase)
P41338	GO:0003985 (acetyl-CoA C-acetyltransferase)
P41543	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)
P41562	
P41734	GO:0016788 (hydrolase activity, acting on ester bonds)
P41759	GO:0004618 (phosphoglycerate kinase)
P41814	GO:0016429 (tRNA (adenine-N1-)-methyltransferase)
P42697	GO:0003924 (GTPase)
P42743	GO:0004842 (ubiquitin-protein ligase)
P42745	GO:0004842 (ubiquitin-protein ligase)
P42748	GO:0004842 (ubiquitin-protein ligase)
P42770	GO:0004362 (glutathione-disulfide reductase)
P42804	GO:0008883 (glutamyl-tRNA reductase)
P42813	GO:0004540 (ribonuclease)
P42862	GO:0016853 (isomerase)
P42863	GO:0016853 (isomerase)
P43123	GO:0003977 (UDP-N-acetylglucosamine diphosphorylase)
P43254	GO:0004842 (ubiquitin-protein ligase)
P43288	
P43289	
P43294	
P43298	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
P43311	
P43558	GO:0004843 (ubiquitin-specific protease)
P43609	GO:0008094 (DNA-dependent ATPase)
P45251	
P45478	GO:0016290 (palmitoyl-CoA hydrolase)
P45724	
P45725	
P45818	GO:0008186 (RNA-dependent ATPase)
P45844	GO:0034041 (sterol-transporting ATPase)
P45951	GO:0003906 (DNA-(apurinic or apyrimidinic site) lyase)
P46014	GO:0004721 (phosphoprotein phosphatase)
P46086	GO:0004496 (mevalonate kinase)
P46248	GO:0004069 (aspartate transaminase)
P46273	
P46283	GO:0050278 (sedoheptulose-bisphosphatase)
P46310	GO:0042389 (omega-3 fatty acid desaturase)
P46415	GO:0051903 (S-(hydroxymethyl)glutathione dehydrogenase)
P46422	GO:0004364 (glutathione transferase)
P46462	GO:0016887 (ATPase)
P46573	
P46643	GO:0004069 (aspartate transaminase)
P46644	GO:0004069 (aspartate transaminase)

P46875	GO:0016887 (ATPase)
P46934	GO:0004842 (ubiquitin-protein ligase)
P46943	GO:0003924 (GTPase)
P46964	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)
P47052	GO:0008177 (succinate dehydrogenase (ubiquinone))
P47122	GO:0016887 (ATPase)
P47735	
P47924	GO:0008686 (3,4-dihydroxy-2-butanone-4-phosphate synthase)
P47938	GO:0015036 (disulfide oxidoreductase)
P47968	GO:0004751 (ribose-5-phosphate isomerase)
P48011	GO:0003899 (DNA-directed RNA polymerase)
P48047	GO:0016887 (ATPase)
P48163	GO:0004473 (malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+))
P48254	
P48491	GO:0004807 (triose-phosphate isomerase)
P48582	GO:0004843 (ubiquitin-specific protease)
P48622	GO:0042389 (omega-3 fatty acid desaturase)
P48642	
P48651	
P49018	GO:0003923 (GPI-anchor transamidase)
P49037	
P49077	GO:0004070 (aspartate carbamoyltransferase)
P49095	GO:0004375 (glycine dehydrogenase (decarboxylating))
P49432	GO:0004739 (pyruvate dehydrogenase (acetyl-transferring))
P49597	GO:0004722 (protein serine/threonine phosphatase)
P49598	GO:0004722 (protein serine/threonine phosphatase)
P49902	
P50076	GO:0004583 (dolichyl-phosphate-glucose-glycolipid alpha-glucosyltransferase)
P50408	GO:0042625 (ATPase activity, coupled to transmembrane movement of ions)
P50518	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P50579	GO:0008235 (metalloexopeptidase)
P50651	GO:0004748 (ribonucleoside-diphosphate reductase)
P50947	GO:0004407 (histone deacetylase)
P50974	
P51137	
P51139	
P51568	
P51617	
P51698	
P51863	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P51996	GO:0003924 (GTPase)
P52286	GO:0004842 (ubiquitin-protein ligase)
P52416	
P52417	

P52420	GO:0004637 (phosphoribosylamine-glycine ligase)
P52422	GO:0004644 (phosphoribosylglycinamide formyltransferase)
P52424	
P52701	GO:0016887 (ATPase)
P52867	
P52910	GO:0003987 (acetate-CoA ligase)
P52917	GO:0016887 (ATPase)
P52920	GO:0016887 (ATPase)
P53042	
P53131	GO:0004004 (ATP-dependent RNA helicase)
P53167	GO:0009982 (pseudouridine synthase)
P53197	GO:0004842 (ubiquitin-protein ligase)
P53202	GO:0004842 (ubiquitin-protein ligase)
P53259	GO:0008233 (peptidase)
P53312	GO:0004775 (succinate-CoA ligase (ADP-forming))
P53331	GO:0000175 (3'-5'-exoribonuclease)
P53549	GO:0016887 (ATPase)
P53598	GO:0004775 (succinate-CoA ligase (ADP-forming))
P53738	GO:0008276 (protein methyltransferase)
P53739	GO:0004672 (protein kinase)
P53780	GO:0004121 (cystathionine beta-lyase)
P53893	GO:0003924 (GTPase)
P53946	GO:0043140 (ATP-dependent 3'-5' DNA helicase)
P54150	
P54199	GO:0004712 (protein serine/threonine/tyrosine kinase)
P54263	GO:0004816 (asparagine-tRNA ligase)
P54415	
P54416	
P54873	GO:0004421 (hydroxymethylglutaryl-CoA synthase)
P54886	
P54967	GO:0004076 (biotin synthase)
P54968	GO:0010211 (IAA-Leu conjugate hydrolase)
P54970	GO:0010179 (IAA-Ala conjugate hydrolase)
P55035	GO:0004175 (endopeptidase)
P55217	GO:0003962 (cystathionine gamma-synthase)
P55230	GO:0008878 (glucose-1-phosphate adenylyltransferase)
P55233	
P55861	GO:0016887 (ATPase)
P57054	
P57748	
P59267	GO:0016409 (palmitoyltransferase)
P59342	
P60662	GO:0030898 (actin-dependent ATPase)
P61517	
P61957	GO:0019789 (SUMO ligase)
P62898	GO:0009055 (electron carrier)
P63281	GO:0019789 (SUMO ligase)
P63331	GO:0004722 (protein serine/threonine phosphatase)
P65762	

P68032	GO:0016887 (ATPase)
P68181	GO:0004691 (cAMP-dependent protein kinase)
P68404	GO:0004697 (protein kinase C)
P69441	
P70054	GO:0017108 (5'-flap endonuclease)
P70470	GO:0004622 (lysophospholipase)
P70698	
P70881	
P76083	
P77044	
P77161	
P77256	
P77781	
P78937	GO:0004781 (sulfate adenylyltransferase (ATP))
P79287	
P80244	
P80385	GO:0004679 (AMP-activated protein kinase)
P80386	GO:0004679 (AMP-activated protein kinase)
P82474	
P82808	GO:0004360 (glutamine-fructose-6-phosphate transaminase (isomerizing))
P83218	
P84029	GO:0009055 (electron carrier)
P84850	GO:0051990 ((R)-2-hydroxyglutarate dehydrogenase)
P87176	GO:0004842 (ubiquitin-protein ligase)
P87267	
P92923	
P92939	GO:0005388 (calcium-transporting ATPase)
P92949	GO:0000293 (ferric-chelate reductase)
P92958	GO:0004672 (protein kinase)
P92983	GO:0004657 (proline dehydrogenase)
P92996	GO:0050162 (oxalate oxidase)
P93028	GO:0004842 (ubiquitin-protein ligase)
P93031	GO:0008446 (GDP-mannose 4,6-dehydratase)
P93230	
P93422	
P93757	GO:0004385 (guanylate kinase)
P93805	
P93836	GO:0003868 (4-hydroxyphenylpyruvate dioxygenase)
P93941	
P94040	GO:0050162 (oxalate oxidase)
P94072	GO:0050162 (oxalate oxidase)
P97519	GO:0004419 (hydroxymethylglutaryl-CoA lyase)
P99999	GO:0045155 (electron transporter, transferring electrons from CoQH2-cytochrome c reductase complex and cytochrome c oxidase complex)
Q00218	GO:0003849 (3-deoxy-7-phosphoheptulonate synthase)
Q00667	
Q01205	
Q01320	GO:0003918 (DNA topoisomerase (ATP-hydrolyzing))
Q01477	GO:0004843 (ubiquitin-specific protease)

Q01519	GO:0004129 (cytochrome-c oxidase)
Q01963	
Q02527	
Q02804	GO:0003924 (GTPase)
Q02972	GO:0046029 (mannitol dehydrogenase)
Q03071	GO:0004842 (ubiquitin-protein ligase)
Q03161	GO:0047938 (glucose-6-phosphate 1-epimerase)
Q03503	GO:0004596 (peptide alpha-N-acetyltransferase)
Q03519	
Q03529	GO:0000170 (sphingosine hydroxylase)
Q03920	GO:0008757 (S-adenosylmethionine-dependent methyltransferase)
Q04603	GO:0003887 (DNA-directed DNA polymerase)
Q04656	
Q05568	GO:0004842 (ubiquitin-protein ligase)
Q05924	GO:0042578 (phosphoric ester hydrolase)
Q05957	
Q06060	
Q06147	GO:0017050 (D-erythro-sphingosine kinase)
Q06205	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q06489	GO:0046523 (S-methyl-5-thioribose-1-phosphate isomerase)
Q06504	GO:0004596 (peptide alpha-N-acetyltransferase)
Q06548	GO:0004674 (protein serine/threonine kinase)
Q06551	GO:0019706 (protein-cysteine S-palmitoyltransferase)
Q06636	GO:0051377 (mannose-ethanolamine phosphotransferase)
Q07176	
Q07353	
Q07356	GO:0016166 (phytoene dehydrogenase)
Q07488	
Q07536	GO:0004491 (methylmalonate-semialdehyde dehydrogenase (acylating))
Q07800	GO:0004721 (phosphoprotein phosphatase)
Q07864	GO:0003887 (DNA-directed DNA polymerase)
Q07923	GO:0003955 (NAD(P)H dehydrogenase (quinone))
Q08096	GO:0003963 (RNA-3'-phosphate cyclase)
Q08162	GO:0000175 (3'-5'-exoribonuclease)
Q08480	GO:0004017 (adenylate kinase)
Q09028	GO:0008094 (DNA-dependent ATPase)
Q09131	GO:0003993 (acid phosphatase)
Q09154	GO:0008121 (ubiquinol-cytochrome-c reductase)
Q09172	GO:0004722 (protein serine/threonine phosphatase)
Q09177	GO:0003899 (DNA-directed RNA polymerase)
Q09191	GO:0003899 (DNA-directed RNA polymerase)
Q09814	GO:0008990 (rRNA (guanine-N2-)-methyltransferase)
Q09923	GO:0050235 (pyridoxal 4-dehydrogenase)
Q0WP28	GO:0004656 (procollagen-proline 4-dioxygenase)
Q0WRJ7	GO:0016491 (oxidoreductase)
Q0WUI9	GO:0004805 (trehalose-phosphatase)
Q10156	
Q10711	GO:0004222 (metalloendopeptidase)
Q11002	GO:0004198 (calcium-dependent cysteine-type endopeptidase)

Q11136	GO:0008233 (peptidase)
Q12154	GO:0016887 (ATPase)
Q12165	GO:0016887 (ATPase)
Q12196	GO:0004672 (protein kinase)
Q12385	GO:0042171 (lysophosphatidic acid acyltransferase)
Q12432	GO:0004407 (histone deacetylase)
Q12792	GO:0004713 (protein tyrosine kinase)
Q13216	GO:0008094 (DNA-dependent ATPase)
Q13268	GO:0004090 (carbonyl reductase (NADPH))
Q13356	GO:0004842 (ubiquitin-protein ligase)
Q13489	GO:0004842 (ubiquitin-protein ligase)
Q13572	
Q13615	GO:0004725 (protein tyrosine phosphatase)
Q15311	GO:0043492 (ATPase activity, coupled to movement of substances)
Q15910	GO:0042054 (histone methyltransferase)
Q16394	GO:0016757 (transferase activity, transferring glycosyl groups)
Q16740	
Q16795	GO:0003954 (NADH dehydrogenase)
Q16974	
Q1ACB3	GO:0010357 (homogentisate solanesyltransferase)
Q1CSB4	
Q1EC69	GO:0000254 (C-4 methylsterol oxidase)
Q1EDG4	
Q1H537	GO:0051744 (3,8-divinyl protochlorophyllide a 8-vinyl reductase)
Q1KSC5	
Q1PID4	
Q1RS11	
Q1WIQ6	GO:0008886 (glyceraldehyde-3-phosphate dehydrogenase (NADP+))
Q23500	
Q24208	GO:0042054 (histone methyltransferase)
Q24368	GO:0008094 (DNA-dependent ATPase)
Q28653	
Q2I8V6	
Q2M4X6	
Q2MHE4	GO:0016301 (kinase)
Q2TJA5	
Q2V3Z9	GO:0000033 (alpha-1,3-mannosyltransferase)
Q2XQ19	
Q2YGU0	
Q2Z1W3	
Q33DL3	
Q38775	
Q38833	GO:0046408 (chlorophyll synthetase)
Q38853	
Q38854	GO:0008661 (1-deoxy-D-xylulose-5-phosphate synthase)
Q38869	GO:0004672 (protein kinase)
Q38879	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q38882	GO:0004630 (phospholipase D)

Q38912	GO:0003924 (GTPase)
Q38945	GO:0008441 (3'(2'),5'-bisphosphate nucleotidase)
Q38946	GO:0004353 (glutamate dehydrogenase [NAD(P)+])
Q38971	
Q39008	GO:0004709 (MAP kinase kinase kinase)
Q39010	
Q39016	GO:0004683 (calmodulin-dependent protein kinase)
Q39023	
Q39056	GO:0003824 (catalytic)
Q39090	GO:0004842 (ubiquitin-protein ligase)
Q39129	
Q39152	GO:0080019 (fatty acyl-CoA reductase (alcohol-forming))
Q39208	GO:0000248 (C-5 sterol desaturase)
Q39219	GO:0009916 (alternative oxidase)
Q39227	GO:0008757 (S-adenosylmethionine-dependent methyltransferase)
Q39239	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q39241	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q39249	GO:0046422 (violaxanthin de-epoxidase)
Q39619	
Q39734	
Q3C2L6	
Q3E840	GO:0009055 (electron carrier)
Q3E9X8	GO:0043765 (T/G mismatch-specific endonuclease)
Q3EBA7	GO:0004839 (ubiquitin activating enzyme)
Q3ECD9	GO:0004725 (protein tyrosine phosphatase)
Q3ECG5	GO:0016301 (kinase)
Q3EDK8	GO:0009924 (octadecanal decarboxylase)
Q3KTM0	GO:0000293 (ferric-chelate reductase)
Q3S891	
Q3S893	
Q3TH56	GO:0042623 (ATPase activity, coupled)
Q3TIE8	GO:0004148 (dihydrolipoyl dehydrogenase)
Q3TIR0	GO:0008233 (peptidase)
Q3TLK5	GO:0004012 (phospholipid-translocating ATPase)
Q3TN04	GO:0003899 (DNA-directed RNA polymerase)
Q3TQ15	GO:0003994 (aconitate hydratase)
Q3TQP7	GO:0003985 (acetyl-CoA C-acetyltransferase)
Q3TWL1	GO:0008233 (peptidase)
Q3TY87	GO:0004334 (fumarylacetoacetase)
Q3U462	GO:0004568 (chitinase)
Q3U7E0	GO:0016887 (ATPase)
Q3UCW4	GO:0008233 (peptidase)
Q3UDY1	GO:0004032 (aldehyde reductase)
Q3UFJ3	GO:0004738 (pyruvate dehydrogenase)
Q3UGH3	GO:0004559 (alpha-mannosidase)
Q3UJW9	GO:0047939 (L-glucuronate reductase)
Q3UN02	GO:0008415 (acyltransferase)

Q3V335	GO:0004842 (ubiquitin-protein ligase)
Q3ZCQ8	GO:0004725 (protein tyrosine phosphatase)
Q40353	
Q40412	
Q40532	
Q40588	
Q40672	
Q40673	
Q40677	GO:0004332 (fructose-bisphosphate aldolase)
Q41158	
Q41342	
Q41370	
Q41376	
Q42403	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q42472	GO:0004351 (glutamate decarboxylase)
Q42521	GO:0004351 (glutamate decarboxylase)
Q42523	GO:0004485 (methylcrotonoyl-CoA carboxylase)
Q42524	GO:0016207 (4-coumarate-CoA ligase)
Q42525	GO:0008865 (fructokinase)
Q42527	GO:0004640 (phosphoribosylanthranilate isomerase)
Q42529	GO:0004834 (tryptophan synthase)
Q42536	
Q42540	GO:0004842 (ubiquitin-protein ligase)
Q42546	GO:0008441 (3'(2'),5'-bisphosphate nucleotidase)
Q42551	GO:0019789 (SUMO ligase)
Q42561	GO:0016297 (acyl-[acyl-carrier-protein] hydrolase)
Q42563	GO:0003999 (adenine phosphoribosyltransferase)
Q42569	
Q42586	GO:0004590 (orotidine-5'-phosphate decarboxylase)
Q42588	GO:0009001 (serine O-acetyltransferase)
Q42605	GO:0003978 (UDP-glucose 4-epimerase)
Q42645	
Q42880	
Q43157	GO:0004750 (ribulose-phosphate 3-epimerase)
Q43234	
Q43295	GO:0004020 (adenylylsulfate kinase)
Q43314	GO:0004353 (glutamate dehydrogenase [NAD(P)+])
Q43316	GO:0004418 (hydroxymethylbilane synthase)
Q43387	GO:0004601 (peroxidase)
Q43503	
Q43725	GO:0004124 (cysteine synthase)
Q43816	
Q43866	GO:0004564 (beta-fructofuranosidase)
Q43870	GO:0004781 (sulfate adenylyltransferase (ATP))
Q45QT1	
Q46978	
Q47098	
Q48296	

Q4AE87	
Q4AEC5	
Q4FE45	GO:0004842 (ubiquitin-protein ligase)
Q4G176	GO:0016878 (acid-thiol ligase)
Q4G338	
Q4KML2	GO:0003904 (deoxyribodipyrimidine photo-lyase)
Q4LB57	
Q4PS45	GO:0004842 (ubiquitin-protein ligase)
Q4TU14	GO:0004842 (ubiquitin-protein ligase)
Q500Y9	GO:0042736 (NADH kinase)
Q504P4	GO:0042623 (ATPase activity, coupled)
Q52K88	GO:0016787 (hydrolase)
Q52T38	GO:0016417 (S-acyltransferase)
Q53ZN0	
Q540V7	GO:0008236 (serine-type peptidase)
Q542E7	GO:0004722 (protein serine/threonine phosphatase)
Q545F0	GO:0050178 (phenylpyruvate tautomerase)
Q545L9	GO:0004719 (protein-L-isoaspartate (D-aspartate) O-methyltransferase)
Q563I3	
Q564E2	GO:0004459 (L-lactate dehydrogenase)
Q564P2	
Q56WD9	GO:0003988 (acetyl-CoA C-acyltransferase)
Q56WN1	GO:0004356 (glutamate-ammonia ligase)
Q56Y11	GO:0045547 (dehydrodolichyl diphosphate synthase)
Q56YA5	GO:0050281 (serine-glyoxylate transaminase)
Q56YN3	GO:0042736 (NADH kinase)
Q56YP2	GO:0016308 (1-phosphatidylinositol-4-phosphate 5-kinase)
Q56ZN6	GO:0009678 (hydrogen-translocating pyrophosphatase)
Q596C5	
Q596W8	
Q596W9	
Q598P5	
Q59993	
Q59H18	GO:0004672 (protein kinase)
Q5CCT8	
Q5D4P8	
Q5DKU8	
Q5DKU9	
Q5ECE3	
Q5GA13	GO:0016262 (protein N-acetylglucosaminyltransferase)
Q5H8A4	GO:0051267 (CP2 mannose-ethanolamine phosphotransferase)
Q5I1Y5	GO:0042623 (ATPase activity, coupled)
Q5IBM5	GO:0004842 (ubiquitin-protein ligase)
Q5ICC1	
Q5ICG6	GO:0004467 (long-chain-fatty-acid-CoA ligase)
Q5IHX6	
Q5IW12	
Q5KTR2	
Q5M731	GO:0008972 (phosphomethylpyrimidine kinase)

Q5M969	GO:0050124 (N-acylneuraminate-9-phosphatase)
Q5PQX0	GO:0048040 (UDP-glucuronate decarboxylase)
Q5RH13	GO:0004842 (ubiquitin-protein ligase)
Q5RZ62	
Q5SGD2	
Q5U3Z7	GO:0008732 (L-allo-threonine aldolase)
Q5U430	GO:0004842 (ubiquitin-protein ligase)
Q5USC3	
Q5VQG4	GO:0047274 (galactinol-sucrose galactosyltransferase)
Q5W7F1	GO:0017040 (ceramidase)
Q5XF33	GO:0016887 (ATPase)
Q5XIF3	GO:0008137 (NADH dehydrogenase (ubiquinone))
Q5YDB6	GO:0019204 (nucleotide phosphatase)
Q5YFA2	
Q5Z6G7	
Q60676	GO:0004721 (phosphoprotein phosphatase)
Q60720	GO:0000293 (ferric-chelate reductase)
Q61074	GO:0004721 (phosphoprotein phosphatase)
Q61144	GO:0004175 (endopeptidase)
Q62226	GO:0016787 (hydrolase)
Q64620	GO:0004722 (protein serine/threonine phosphatase)
Q64654	GO:0008398 (sterol 14-demethylase)
Q64MA3	GO:0048256 (flap endonuclease)
Q65CJ7	
Q66GP9	GO:0004517 (nitric-oxide synthase)
Q66Q58	
Q675A5	GO:0047499 (calcium-independent phospholipase A2)
Q67C39	
Q680Q4	GO:0019789 (SUMO ligase)
Q68AP4	
Q68BJ4	
Q68RJ8	
Q69AX6	
Q6AYS7	
Q6DNI8	
Q6EMC1	
Q6F3I7	
Q6H8W7	
Q6H9K0	GO:0047911 (galacturan 1,4-alpha-galacturonidase)
Q6IVK5	
Q6IVK8	
Q6IVV3	
Q6L619	
Q6L8K4	
Q6NLQ6	GO:0004698 (calcium-dependent protein kinase C)
Q6NPD7	GO:0047631 (ADP-ribose diphosphatase)
Q6NQB7	GO:0048531 (beta-1,3-galactosyltransferase)
Q6NQJ6	GO:0000175 (3'-5'-exoribonuclease)
Q6P8N8	GO:0016887 (ATPase)

Q6PCN7	GO:0016887 (ATPase)
Q6PD18	GO:0008237 (metallopeptidase)
Q6PHC1	GO:0004634 (phosphopyruvate hydratase)
Q6PLH8	
Q6PTT0	
Q6PY95	
Q6Q0C0	GO:0004842 (ubiquitin-protein ligase)
Q6Q796	
Q6RFY3	
Q6RFY4	
Q6SJP5	
Q6T5D1	
Q6TGX5	GO:0004842 (ubiquitin-protein ligase)
Q6TW99	
Q6TXD0	
Q6UB35	
Q6URB0	
Q6VNB8	GO:0003831 (beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase)
Q6WAU0	
Q6WNR0	
Q6XBF8	GO:0004190 (aspartic-type endopeptidase)
Q6XQN6	GO:0004516 (nicotinate phosphoribosyltransferase)
Q6XZ78	
Q6XZ79	
Q6YP15	
Q6Z744	
Q6ZFH6	
Q6ZHS4	GO:0045551 (cinnamyl-alcohol dehydrogenase)
Q6ZIX2	
Q6ZWM8	GO:0004722 (protein serine/threonine phosphatase)
Q6ZY51	GO:0051752 (phosphoglucan, water dikinase)
Q70G32	
Q711R0	
Q71DJ5	GO:0047714 (galactolipase)
Q71SH3	
Q724I0	GO:0016887 (ATPase)
Q75BQ6	
Q75W54	
Q764C1	
Q76E52	
Q76FR9	
Q76FS5	GO:0050347 (trans-octaprenyltranstransferase)
Q76KF5	
Q78J03	GO:0000318 (protein-methionine-R-oxide reductase)
Q7FRX8	
Q7G193	GO:0050302 (indole-3-acetaldehyde oxidase)
Q7G9P4	GO:0050302 (indole-3-acetaldehyde oxidase)
Q7JYV7	GO:0004017 (adenylate kinase)

Q7KF27	
Q7KMP8	GO:0004175 (endopeptidase)
Q7KTH8	GO:0019781 (NEDD8 activating enzyme)
Q7KVA1	GO:0030158 (protein xylosyltransferase)
Q7L1T6	GO:0016653 (oxidoreductase activity, acting on NADH or NADPH, heme protein as acceptor)
Q7WTU5	
Q7X9A9	
Q7X9J0	
Q7X9V3	GO:0008080 (N-acetyltransferase)
Q7XA48	
Q7XB08	
Q7XJ65	
Q7XJ98	GO:0016757 (transferase activity, transferring glycosyl groups)
Q7XJR6	
Q7XZE6	
Q7XZQ6	
Q7XZQ7	
Q7Y051	
Q7Y0K5	
Q7Y1X1	GO:0016788 (hydrolase activity, acting on ester bonds)
Q7Y232	GO:0035251 (UDP-glucosyltransferase)
Q7YUC7	
Q804C3	GO:0004738 (pyruvate dehydrogenase)
Q805F3	GO:0004190 (aspartic-type endopeptidase)
Q80TU3	GO:0004842 (ubiquitin-protein ligase)
Q80W94	GO:0016407 (acetyltransferase)
Q80YN4	GO:0004252 (serine-type endopeptidase)
Q83V27	
Q84JH7	GO:0051266 (sirohchlorin ferrochelatase)
Q84JN3	GO:0003899 (DNA-directed RNA polymerase)
Q84JU4	GO:0033549 (MAP kinase phosphatase)
Q84JZ7	GO:0004842 (ubiquitin-protein ligase)
Q84LE3	
Q84LH3	GO:0008408 (3'-5' exonuclease)
Q84LM4	
Q84MA2	GO:0046030 (inositol trisphosphate phosphatase)
Q84MB6	
Q84MD8	GO:0008531 (riboflavin kinase)
Q84TG3	GO:0004842 (ubiquitin-protein ligase)
Q84UH6	
Q84UV8	GO:0016656 (monodehydroascorbate reductase (NADH))
Q84V83	
Q84VW9	GO:0008964 (phosphoenolpyruvate carboxylase)
Q84WL2	GO:0047627 (adenylsulfatase)
Q84WS0	GO:0004252 (serine-type endopeptidase)
Q84XU2	GO:0004721 (phosphoprotein phosphatase)
Q84Y95	GO:0015038 (glutathione disulfide oxidoreductase)
Q84YG5	

Q84ZT8	
Q84ZW8	
Q852S9	
Q852T2	
Q86RB1	
Q86TM6	GO:0016881 (acid-amino acid ligase)
Q86U44	GO:0016422 (mRNA (2'-O-methyladenosine-N6-)-methyltransferase)
Q86UW6	GO:0046404 (ATP-dependent polydeoxyribonucleotide 5'-hydroxyl-kinase)
Q86VF5	
Q86VQ3	GO:0004791 (thioredoxin-disulfide reductase)
Q8BFW6	GO:0017111 (nucleoside-triphosphatase)
Q8BGM2	GO:0004349 (glutamate 5-kinase)
Q8BMC1	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q8BPD3	GO:0004601 (peroxidase)
Q8BS26	GO:0004672 (protein kinase)
Q8BSK8	GO:0004672 (protein kinase)
Q8BXQ2	GO:0003923 (GPI-anchor transamidase)
Q8BYK4	
Q8C653	GO:0008821 (crossover junction endodeoxyribonuclease)
Q8CGB9	
Q8CJE3	GO:0030898 (actin-dependent ATPase)
Q8FFP9	
Q8GR61	
Q8GSJ1	GO:0003879 (ATP phosphoribosyltransferase)
Q8GSM7	
Q8GSN8	
Q8GSQ1	GO:0004497 (monooxygenase)
Q8GTR4	GO:0010303 (limit dextrinase)
Q8GUQ8	GO:0004854 (xanthine dehydrogenase)
Q8GV29	
Q8GVD7	
Q8GVE8	GO:0008964 (phosphoenolpyruvate carboxylase)
Q8GW31	GO:0050072 (m7G(5')pppN diphosphatase)
Q8GWA1	GO:0003954 (NADH dehydrogenase)
Q8GWW7	GO:0047632 (agmatine deiminase)
Q8GXC1	GO:0004067 (asparaginase)
Q8GXR5	GO:0004632 (phosphopantothenate--cysteine ligase)
Q8GXU8	GO:0003841 (1-acylglycerol-3-phosphate O-acyltransferase)
Q8GXV2	GO:0003756 (protein disulfide isomerase)
Q8GXX3	GO:0016682 (oxidoreductase activity, acting on diphenols and related substances as donors, oxygen as acceptor)
Q8GY23	GO:0004842 (ubiquitin-protein ligase)
Q8GY31	GO:0030611 (arsenate reductase)
Q8GY89	GO:0016667 (oxidoreductase activity, acting on sulfur group of donors)
Q8GZ86	
Q8GZD5	
Q8GZS9	
Q8H0L8	

Q8H0P4	
Q8H0P5	
Q8H0P6	
Q8H0W1	GO:0008233 (peptidase)
Q8H136	GO:0016887 (ATPase)
Q8H183	GO:0003837 (beta-ureidopropionase)
Q8H1H6	
Q8H1H7	
Q8H943	
Q8H9F1	
Q8INK9	GO:0000318 (protein-methionine-R-oxide reductase)
Q8IRW8	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q8IUH5	GO:0019706 (protein-cysteine S-palmitoleyltransferase)
Q8IV48	GO:0008408 (3'-5' exonuclease)
Q8IYB8	GO:0003678 (DNA helicase)
Q8KDI7	
Q8KTI8	
Q8L3C9	
Q8L3U4	GO:0008967 (phosphoglycolate phosphatase)
Q8L4H0	GO:0004672 (protein kinase)
Q8L5E1	
Q8L5J1	
Q8L5Y9	GO:0004594 (pantothenate kinase)
Q8L640	GO:0008240 (tripeptidyl-peptidase)
Q8L649	GO:0004842 (ubiquitin-protein ligase)
Q8L6Y1	GO:0004843 (ubiquitin-specific protease)
Q8L799	GO:0050113 (inositol oxygenase)
Q8L7F9	GO:0010488 (UDP-galactose:N-glycan beta-1,3-galactosyltransferase)
Q8L7R2	GO:0004413 (homoserine kinase)
Q8L7S6	GO:0015929 (hexosaminidase)
Q8L9C4	GO:0045703 (ketoreductase)
Q8L9W3	GO:0004842 (ubiquitin-protein ligase)
Q8LA53	GO:0051747 (DNA demethylase)
Q8LAD0	GO:0004359 (glutaminase)
Q8LAM0	GO:0004843 (ubiquitin-specific protease)
Q8LAS8	GO:0018738 (S-formylglutathione hydrolase)
Q8LBA6	GO:0003881 (CDP-diacylglycerol-inositol 3-phosphatidyltransferase)
Q8LCE1	GO:0004356 (glutamate-ammonia ligase)
Q8LCT3	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q8LDP4	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q8LDU4	GO:0051743 (red chlorophyll catabolite reductase)
Q8LE52	GO:0045174 (glutathione dehydrogenase (ascorbate))
Q8LFP9	GO:0016860 (intramolecular oxidoreductase)
Q8LG50	GO:0003841 (1-acylglycerol-3-phosphate O-acyltransferase)
Q8LK04	
Q8LK56	GO:0019104 (DNA N-glycosylase)
Q8LKS7	
Q8LLD7	

Q8LPQ4	GO:0046429 (4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase)
Q8LSZ3	
Q8MPM5	
Q8MPP3	GO:0004222 (metalloendopeptidase)
Q8N5B7	GO:0050291 (sphingosine N-acyltransferase)
Q8NBQ5	GO:0016229 (steroid dehydrogenase)
Q8NKD2	
Q8PX97	
Q8QGQ2	GO:0004028 (3-chloroallyl aldehyde dehydrogenase)
Q8R0N9	GO:0016409 (palmitoyltransferase)
Q8R0X4	GO:0016301 (kinase)
Q8R431	GO:0016787 (hydrolase)
Q8RR74	
Q8RU27	
Q8RUW5	GO:0016754 (sinapoylglucose-malate O-sinapoyltransferase)
Q8RVK9	
Q8RW99	
Q8RWE2	GO:0004805 (trehalose-phosphatase)
Q8RWE8	GO:0010475 (galactose-1-phosphate guanylyltransferase (GDP))
Q8RWF1	GO:0030267 (glyoxylate reductase (NADP))
Q8RWM1	GO:0004161 (dimethylallyltranstransferase)
Q8RWN7	GO:0004722 (protein serine/threonine phosphatase)
Q8RWT5	GO:0003937 (IMP cyclohydrolase)
Q8RWV4	GO:0009974 (epsilon hydroxylase)
Q8RWW0	GO:0016301 (kinase)
Q8RWZ3	GO:0003995 (acyl-CoA dehydrogenase)
Q8RXD4	GO:0004842 (ubiquitin-protein ligase)
Q8RXD6	GO:0004842 (ubiquitin-protein ligase)
Q8RXU4	GO:0004793 (threonine aldolase)
Q8RXV3	GO:0004722 (protein serine/threonine phosphatase)
Q8S313	
Q8S315	
Q8S4F6	GO:0046510 (UDP-sulfoquinovose:DAG sulfoquinovosyltransferase)
Q8S4R4	
Q8S564	
Q8S8F9	GO:0008936 (nicotinamidase)
Q8S8S9	GO:0016788 (hydrolase activity, acting on ester bonds)
Q8S945	
Q8S948	GO:0050347 (trans-octaprenyltranstransferase)
Q8SYG2	GO:0019781 (NEDD8 activating enzyme)
Q8T066	GO:0016887 (ATPase)
Q8T0N8	
Q8TC12	
Q8VDC3	GO:0003994 (aconitate hydratase)
Q8VDP3	GO:0004497 (monooxygenase)
Q8VED0	GO:0004494 (methylmalonyl-CoA mutase)
Q8VWE9	
Q8VWG5	

Q8VWG7	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q8VWH7	
Q8VWJ1	GO:0010176 (homogentisate phytyltransferase)
Q8VWN6	
Q8VYF5	GO:0050126 (N-carbamoylputrescine amidase)
Q8VYI1	GO:0000170 (sphingosine hydroxylase)
Q8VYI3	GO:0080023 (3R-hydroxyacyl-CoA dehydratase)
Q8VYJ1	GO:0008756 (o-succinylbenzoate-CoA ligase)
Q8VYS2	
Q8VYU3	
Q8VZ17	GO:0008168 (methyltransferase)
Q8VZB2	GO:0004300 (enoyl-CoA hydratase)
Q8VZC3	GO:0003842 (1-pyrroline-5-carboxylate dehydrogenase)
Q8VZH2	GO:0004177 (aminopeptidase)
Q8VZW3	
Q8W000	
Q8W012	
Q8W040	GO:0004326 (tetrahydrofolylpolyglutamate synthase)
Q8W041	GO:0008841 (dihydrofolate synthase)
Q8W1A0	
Q8W1S1	GO:0046481 (digalactosyldiacylglycerol synthase)
Q8W1W9	
Q8W1X2	GO:0008478 (pyridoxal kinase)
Q8W2B8	GO:0009001 (serine O-acetyltransferase)
Q8W468	GO:0004842 (ubiquitin-protein ligase)
Q8W471	GO:0008922 (long-chain-fatty-acid-[acyl-carrier-protein] ligase)
Q8W4C7	GO:0019148 (D-cysteine desulfhydrase)
Q8W4K6	GO:0003924 (GTPase)
Q8W5A2	
Q8X1V7	
Q8YC53	
Q90YZ8	
Q91XT9	
Q91YM8	GO:0004748 (ribonucleoside-diphosphate reductase)
Q91YR1	GO:0004713 (protein tyrosine kinase)
Q920P0	
Q920R6	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q921A4	GO:0004601 (peroxidase)
Q921S5	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q92210	
Q922D8	GO:0016155 (formyltetrahydrofolate dehydrogenase)
Q92355	GO:0043141 (ATP-dependent 5'-3' DNA helicase)
Q923V3	GO:0004843 (ubiquitin-specific protease)
Q924Z4	GO:0050291 (sphingosine N-acyltransferase)
Q92630	GO:0004713 (protein tyrosine kinase)
Q92793	GO:0016407 (acetyltransferase)

Q93009	GO:0004843 (ubiquitin-specific protease)
Q93063	GO:0016757 (transferase activity, transferring glycosyl groups)
Q936S7	
Q93KB8	
Q93RE3	
Q93V56	GO:0004427 (inorganic diphosphatase)
Q93V58	GO:0016301 (kinase)
Q93V61	
Q93V78	
Q93VK5	GO:0010291 (carotene beta-ring hydroxylase)
Q93VR3	GO:0047918 (GDP-mannose 3,5-epimerase)
Q93W54	GO:0004671 (protein-S-isoprenylcysteine O-methyltransferase)
Q93X74	
Q93XE1	
Q93XG4	
Q93XJ2	
Q93Y07	GO:0008422 (beta-glucosidase)
Q93Y23	GO:0004499 (flavin-containing monooxygenase)
Q93YN0	GO:0003756 (protein disulfide isomerase)
Q93YN9	GO:0035299 (inositol pentakisphosphate 2-kinase)
Q93Z33	GO:0003924 (GTPase)
Q93Z53	GO:0004743 (pyruvate kinase)
Q93ZG7	GO:0008186 (RNA-dependent ATPase)
Q93ZK8	
Q93ZN9	GO:0010285 (L,L-diaminopimelate aminotransferase)
Q93ZW0	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q940D4	GO:0004558 (alpha-glucosidase)
Q940M2	GO:0008453 (alanine-glyoxylate transaminase)
Q941L0	GO:0016759 (cellulose synthase)
Q944Q0	GO:0004672 (protein kinase)
Q945K2	
Q94882	GO:0030898 (actin-dependent ATPase)
Q948S7	
Q949X0	GO:0009979 (16:0 monogalactosyldiacylglycerol desaturase)
Q949X3	GO:0004400 (histidinol-phosphate transaminase)
Q949Y0	GO:0004843 (ubiquitin-specific protease)
Q949Y5	GO:0004222 (metalloendopeptidase)
Q94AA9	GO:0035252 (UDP-xylosyltransferase)
Q94AG2	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q94AS5	GO:0010296 (prenylcysteine methylesterase)
Q94AX4	GO:0019154 (glycolate dehydrogenase)
Q94AY3	GO:0004842 (ubiquitin-protein ligase)
Q94B07	
Q94B35	GO:0051745 (4-hydroxy-3-methylbut-2-en-1-yl diphosphate reductase)
Q94B74	GO:0047631 (ADP-ribose diphosphatase)
Q94BT0	GO:0046524 (sucrose-phosphate synthase)
Q94C06	
Q94F30	GO:0016929 (SUMO-specific protease)
Q94F47	GO:0004842 (ubiquitin-protein ligase)

Q94F74	
Q94F88	GO:0003886 (DNA (cytosine-5-)-methyltransferase)
Q94FM7	
Q94FS5	
Q94FS6	
Q94FY7	GO:0009976 (tocopherol cyclase)
Q94G04	
Q94ID7	
Q94IG7	GO:0004729 (protoporphyrinogen oxidase)
Q94K43	GO:0004499 (flavin-containing monooxygenase)
Q95AJ2	
Q95KV7	GO:0008137 (NADH dehydrogenase (ubiquinone))
Q95TI4	GO:0004842 (ubiquitin-protein ligase)
Q95VY4	
Q96242	GO:0016836 (hydro-lyase)
Q96255	GO:0004648 (phosphoserine transaminase)
Q96266	GO:0004364 (glutathione transferase)
Q96287	
Q96330	GO:0045431 (flavonol synthase)
Q963A7	
Q96533	GO:0080007 (S-nitrosoglutathione reductase)
Q96552	
Q969G3	GO:0008080 (N-acetyltransferase)
Q969V5	GO:0004842 (ubiquitin-protein ligase)
Q96B13	GO:0008233 (peptidase)
Q96DB2	GO:0004407 (histone deacetylase)
Q96EG1	GO:0004168 (dolichol kinase)
Q96FM1	GO:0016788 (hydrolase activity, acting on ester bonds)
Q96HE7	GO:0016491 (oxidoreductase)
Q96LR5	GO:0042296 (ISG15 ligase)
Q96LZ3	
Q96PH1	GO:0016175 (superoxide-generating NADPH oxidase)
Q96PM5	
Q96Q15	GO:0004674 (protein serine/threonine kinase)
Q96Q89	GO:0016887 (ATPase)
Q99973	GO:0003720 (telomerase)
Q99J57	GO:0004478 (methionine adenosyltransferase)
Q99K23	GO:0016790 (thiolester hydrolase)
Q99KB8	GO:0004416 (hydroxyacylglutathione hydrolase)
Q99LB2	GO:0001758 (retinal dehydrogenase)
Q99LX0	GO:0051920 (peroxiredoxin)
Q99MD6	GO:0004791 (thioredoxin-disulfide reductase)
Q99NA5	GO:0004449 (isocitrate dehydrogenase (NAD+))
Q99P30	GO:0003986 (acetyl-CoA hydrolase)
Q99PI5	GO:0008195 (phosphatidate phosphatase)
Q9AQT8	
Q9AR73	
Q9AR92	
Q9AV97	GO:0008676 (3-deoxy-8-phosphooctulonate synthase)

Q9AV98	
Q9AVE7	GO:0009540 (zeaxanthin epoxidase)
Q9AVK0	
Q9BMX8	
Q9BRQ8	GO:0004174 (electron-transferring-flavoprotein dehydrogenase)
Q9BV79	GO:0019166 (trans-2-enoyl-CoA reductase (NADPH))
Q9BVA0	GO:0008568 (microtubule-severing ATPase)
Q9BZC7	GO:0016887 (ATPase)
Q9C1Z8	
Q9C550	GO:0003852 (2-isopropylmalate synthase)
Q9C5F5	GO:0003887 (DNA-directed DNA polymerase)
Q9C5G5	GO:0043812 (phosphatidylinositol-4-phosphate phosphatase)
Q9C5J7	GO:0003872 (6-phosphofructokinase)
Q9C5J9	GO:0003924 (GTPase)
Q9C5Q8	GO:0008173 (RNA methyltransferase)
Q9C5R8	GO:0051920 (peroxiredoxin)
Q9C5S2	GO:0004521 (endoribonuclease)
Q9C5U1	GO:0004673 (protein histidine kinase)
Q9C5U3	GO:0016887 (ATPase)
Q9C5W3	GO:0003951 (NAD ⁺ kinase)
Q9C5X4	GO:0018024 (histone-lysine N-methyltransferase)
Q9C5Y0	GO:0004630 (phospholipase D)
Q9C6L5	GO:0009922 (fatty acid elongase)
Q9C7G1	GO:0004842 (ubiquitin-protein ligase)
Q9C7R6	GO:0004842 (ubiquitin-protein ligase)
Q9C867	GO:0016301 (kinase)
Q9C907	
Q9C920	
Q9C958	GO:0016301 (kinase)
Q9C9D0	
Q9C9P4	GO:0004315 (3-oxoacyl-[acyl-carrier-protein] synthase)
Q9C9Q8	GO:0008168 (methyltransferase)
Q9CA67	GO:0045550 (geranylgeranyl reductase)
Q9CA75	GO:0033843 (xyloglucan 6-xylosyltransferase)
Q9CAD6	GO:0008393 (fatty acid (omega-1)-hydroxylase)
Q9CAF5	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
Q9CAK8	GO:0008685 (2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase)
Q9CAN1	GO:0004252 (serine-type endopeptidase)
Q9CAV6	GO:0004672 (protein kinase)
Q9CPY7	GO:0008233 (peptidase)
Q9CQD1	GO:0003924 (GTPase)
Q9CR50	
Q9CRB3	GO:0016787 (hydrolase)
Q9CXZ1	GO:0008137 (NADH dehydrogenase (ubiquinone))
Q9CYR6	GO:0004614 (phosphoglucomutase)
Q9D074	GO:0004842 (ubiquitin-protein ligase)
Q9D077	GO:0003678 (DNA helicase)
Q9D358	GO:0016791 (phosphatase)

Q9D4B1	
Q9D593	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q9D6Z0	GO:0010302 (2-oxoglutarate-dependent dioxygenase)
Q9D892	GO:0047429 (nucleoside-triphosphate diphosphatase)
Q9DGH5	GO:0042083 (5,10-methylenetetrahydrofolate-dependent methyltransferase)
Q9EPL5	GO:0008233 (peptidase)
Q9EQY6	GO:0000030 (mannosyltransferase)
Q9ERI6	
Q9FE45	
Q9FEW9	
Q9FEY5	
Q9FEY7	
Q9FF66	GO:0004842 (ubiquitin-protein ligase)
Q9FFN4	GO:0004565 (beta-galactosidase)
Q9FFN7	GO:0004143 (diacylglycerol kinase)
Q9FFP9	GO:0016301 (kinase)
Q9FG87	GO:0009922 (fatty acid elongase)
Q9FGC7	GO:0009540 (zeaxanthin epoxidase)
Q9FGF2	GO:0047412 (N-(long-chain-acyl)ethanolamine deacylase)
Q9FGS4	GO:0008987 (quinolinate synthetase A)
Q9FGX1	GO:0003878 (ATP citrate synthase)
Q9FH02	GO:0016887 (ATPase)
Q9FHT5	GO:0047196 (long-chain-alcohol O-fatty-acyltransferase)
Q9FHX5	GO:0042973 (glucan endo-1,3-beta-D-glucosidase)
Q9FI56	GO:0004176 (ATP-dependent peptidase)
Q9FI61	GO:0004842 (ubiquitin-protein ligase)
Q9FIE8	GO:0048040 (UDP-glucuronate decarboxylase)
Q9FJ82	GO:0008839 (dihydrodipicolinate reductase)
Q9FJI5	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q9FJM5	GO:0004049 (anthranilate synthase)
Q9FJP6	GO:0004842 (ubiquitin-protein ligase)
Q9FJT8	GO:0010485 (H4 histone acetyltransferase)
Q9FJV0	GO:0004708 (MAP kinase kinase)
Q9FK25	GO:0047763 (caffeate O-methyltransferase)
Q9FKG3	GO:0003872 (6-phosphofructokinase)
Q9FKL5	GO:0004015 (adenosylmethionine-8-amino-7-oxononanoate transaminase)
Q9FKS0	GO:0004849 (uridine kinase)
Q9FKW6	GO:0003959 (NADPH dehydrogenase)
Q9FKW8	
Q9FL28	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q9FLF7	GO:0004406 (H3/H4 histone acetyltransferase)
Q9FLG1	GO:0009044 (xylan 1,4-beta-xylosidase)
Q9FLN0	GO:0016298 (lipase)
Q9FLP9	GO:0010475 (galactose-1-phosphate guanylyltransferase (GDP))
Q9FLW9	GO:0004743 (pyruvate kinase)
Q9FMJ0	GO:0004430 (1-phosphatidylinositol 4-kinase)
Q9FMP3	

Q9FMW9	GO:0010340 (carboxyl-O-methyltransferase)
Q9FMX7	GO:0008936 (nicotinamidase)
Q9FN02	GO:0004722 (protein serine/threonine phosphatase)
Q9FN05	GO:0015926 (glucosidase)
Q9FNA9	
Q9FNY7	GO:0008534 (oxidized purine base lesion DNA N-glycosylase)
Q9FPE3	GO:0004392 (heme oxygenase (decyclizing))
Q9FPS9	GO:0004843 (ubiquitin-specific protease)
Q9FQ03	GO:0004534 (5'-3' exoribonuclease)
Q9FSD6	
Q9FT54	GO:0004406 (H3/H4 histone acetyltransferase)
Q9FT83	
Q9FUB7	GO:0016210 (naringenin-chalcone synthase)
Q9FUC2	
Q9FUP0	GO:0016629 (12-oxophytodienoate reductase)
Q9FV53	GO:0042586 (peptide deformylase)
Q9FVE1	
Q9FVF9	
Q9FX32	GO:0016157 (sucrose synthase)
Q9FX43	GO:0004708 (MAP kinase kinase)
Q9FY48	GO:0004842 (ubiquitin-protein ligase)
Q9FYA6	GO:0004084 (branched-chain-amino-acid transaminase)
Q9FYB3	GO:0004672 (protein kinase)
Q9FYC2	GO:0032441 (pheophorbide a oxygenase)
Q9FYL6	GO:0045703 (ketoreductase)
Q9FZ48	GO:0004842 (ubiquitin-protein ligase)
Q9GU36	
Q9GU37	
Q9H0N0	GO:0003924 (GTPase)
Q9H2H8	
Q9H9B1	GO:0018024 (histone-lysine N-methyltransferase)
Q9HBH5	
Q9IA93	
Q9JHW1	
Q9JIM4	GO:0004721 (phosphoprotein phosphatase)
Q9JIW8	GO:0004844 (uracil DNA N-glycosylase)
Q9JKB1	
Q9JKS8	GO:0004035 (alkaline phosphatase)
Q9JLZ3	GO:0004300 (enoyl-CoA hydratase)
Q9JMF7	GO:0047874 (dolichyldiphosphatase)
Q9KJG6	
Q9KTV8	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
Q9LD47	GO:0004784 (superoxide dismutase)
Q9LD80	
Q9LDA9	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9LDC0	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q9LDD8	GO:0004485 (methylcrotonoyl-CoA carboxylase)
Q9LDI3	GO:0004672 (protein kinase)

Q9LDR4	GO:0050613 (delta14-sterol reductase)
Q9LDU6	GO:0009918 (sterol delta7 reductase)
Q9LE59	GO:0047262 (polygalacturonate 4-alpha-galacturonosyltransferase)
Q9LEH3	GO:0004601 (peroxidase)
Q9LET6	GO:0080019 (fatty acyl-CoA reductase (alcohol-forming))
Q9LF10	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9LFA2	GO:0004672 (protein kinase)
Q9LFF9	GO:0004427 (inorganic diphosphatase)
Q9LFJ8	GO:0047213 (anthocyanidin 3-O-glucosyltransferase)
Q9LFT8	GO:0016301 (kinase)
Q9LIB2	GO:0004645 (phosphorylase)
Q9LIS3	
Q9LJB4	GO:0050736 (O-malonyltransferase)
Q9LJK1	
Q9LJL3	GO:0004222 (metalloendopeptidase)
Q9LJZ5	GO:0004842 (ubiquitin-protein ligase)
Q9LK23	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q9LK35	GO:0004672 (protein kinase)
Q9LK64	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
Q9LKF8	
Q9LKH8	
Q9LKI5	GO:0000014 (single-stranded DNA specific endodeoxyribonuclease)
Q9LKJ1	GO:0003860 (3-hydroxyisobutyryl-CoA hydrolase)
Q9LKJ4	GO:0004021 (alanine transaminase)
Q9LL84	GO:0003910 (DNA ligase (ATP))
Q9LMI0	GO:0004805 (trehalose-phosphatase)
Q9LMM1	GO:0008393 (fatty acid (omega-1)-hydroxylase)
Q9LN71	GO:0004842 (ubiquitin-protein ligase)
Q9LNJ4	GO:0016709 (oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, NADH or NADPH as one donor, and incorporation of one atom of oxygen)
Q9LPG6	GO:0050377 (UDP-glucose 4,6-dehydratase)
Q9LPS1	GO:0008865 (fructokinase)
Q9LQ04	GO:0008831 (dTDP-4-dehydrorhamnose reductase)
Q9LQF2	GO:0004564 (beta-fructofuranosidase)
Q9LR30	GO:0047958 (glycine transaminase)
Q9LR44	GO:0080002 (UDP-glucose:4-aminobenzoate acylglucosyltransferase)
Q9LR47	GO:0046030 (inositol trisphosphate phosphatase)
Q9LR75	GO:0004109 (coproporphyrinogen oxidase)
Q9LR78	GO:0004722 (protein serine/threonine phosphatase)
Q9LRB0	GO:0017050 (D-erythro-sphingosine kinase)
Q9LRC8	
Q9LRR9	GO:0008891 (glycolate oxidase)
Q9LRZ5	
Q9LS14	GO:0004842 (ubiquitin-protein ligase)
Q9LSA6	GO:0004842 (ubiquitin-protein ligase)
Q9LSP7	GO:0004842 (ubiquitin-protein ligase)
Q9LSQ4	GO:0010279 (indole-3-acetic acid amido synthetase)

Q9LSQ5	GO:0016655 (oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor)
Q9LSS7	GO:0019784 (NEDD8-specific protease)
Q9LSZ9	GO:0004758 (serine C-palmitoyltransferase)
Q9LT10	GO:0004091 (carboxylesterase)
Q9LTB2	GO:0008757 (S-adenosylmethionine-dependent methyltransferase)
Q9LTQ0	GO:0004525 (ribonuclease III)
Q9LTR9	GO:0019107 (myristoyltransferase)
Q9LTX3	GO:0004733 (pyridoxamine-phosphate oxidase)
Q9LU10	GO:0008233 (peptidase)
Q9LU15	GO:0009927 (histidine phosphotransfer kinase)
Q9LU67	GO:0004609 (phosphatidylserine decarboxylase)
Q9LUF3	GO:0019948 (SUMO activating enzyme)
Q9LUL7	GO:0030599 (pectinesterase)
Q9LV03	GO:0016040 (glutamate synthase (NADH))
Q9LV91	
Q9LVB8	GO:0004091 (carboxylesterase)
Q9LVM4	GO:0047627 (adenylylsulfatase)
Q9LWC0	GO:0004518 (nuclease)
Q9LX33	GO:0008318 (protein prenyltransferase)
Q9LXD7	GO:0004406 (H3/H4 histone acetyltransferase)
Q9LXE5	GO:0003886 (DNA (cytosine-5-)-methyltransferase)
Q9LXL5	GO:0016157 (sucrose synthase)
Q9LY74	GO:0051741 (2-methyl-6-phytyl-1,4-benzoquinone methyltransferase)
Q9LYT1	GO:0046592 (polyamine oxidase)
Q9LZ76	GO:0010276 (phytol kinase)
Q9LZI2	GO:0048040 (UDP-glucuronate decarboxylase)
Q9LZJ3	GO:0035252 (UDP-xylosyltransferase)
Q9LZR3	GO:0051753 (mannan synthase)
Q9LZV4	GO:0004672 (protein kinase)
Q9M071	GO:0080019 (fatty acyl-CoA reductase (alcohol-forming))
Q9M076	GO:0003872 (6-phosphofructokinase)
Q9M099	GO:0004185 (serine-type carboxypeptidase)
Q9M0B6	GO:0050378 (UDP-glucuronate 4-epimerase)
Q9M0F9	GO:0003872 (6-phosphofructokinase)
Q9M0V0	
Q9M0X9	GO:0004321 (fatty-acyl-CoA synthase)
Q9M111	GO:0016157 (sucrose synthase)
Q9M156	GO:0035251 (UDP-glucosyltransferase)
Q9M1K2	GO:0016308 (1-phosphatidylinositol-4-phosphate 5-kinase)
Q9M1W4	GO:0008898 (homocysteine S-methyltransferase)
Q9M2E2	GO:0047504 ((-)-menthol dehydrogenase)
Q9M2U2	GO:0019166 (trans-2-enoyl-CoA reductase (NADPH))
Q9M3D8	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q9M401	GO:0004084 (branched-chain-amino-acid transaminase)
Q9M4S1	
Q9M571	
Q9M591	GO:0048529 (magnesium-protoporphyrin IX monomethyl ester (oxidative) cyclase)

Q9M5J0	
Q9M643	GO:0047793 (cycloeucaleenol cycloisomerase)
Q9M685	
Q9M7I7	GO:0047746 (chlorophyllase)
Q9M7L9	
Q9M7T0	GO:0004601 (peroxidase)
Q9M8S8	GO:0010347 (L-galactose-1-phosphate phosphatase)
Q9M8Y0	GO:0016757 (transferase activity, transferring glycosyl groups)
Q9MA43	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q9MAM3	GO:0009922 (fatty acid elongase)
Q9MAT5	GO:0035242 (protein-arginine omega-N asymmetric methyltransferase)
Q9MBA1	GO:0010277 (chlorophyllide a oxygenase)
Q9N0A4	
Q9N0E7	GO:0008265 (Mo-molybdopterin cofactor sulfurase)
Q9NB32	
Q9NBB4	GO:0004687 (myosin light chain kinase)
Q9NDA1	
Q9NDA2	
Q9NDA3	
Q9NHC6	
Q9NKV5	
Q9NPC4	GO:0008378 (galactosyltransferase)
Q9NR19	GO:0003987 (acetate-CoA ligase)
Q9NRD8	GO:0016174 (NAD(P)H oxidase)
Q9NRK6	
Q9NS00	GO:0016263 (glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase)
Q9NSD9	
Q9NT62	GO:0019787 (small conjugating protein ligase)
Q9NY43	
Q9NYG5	GO:0004842 (ubiquitin-protein ligase)
Q9NYU2	GO:0003980 (UDP-glucose:glycoprotein glucosyltransferase)
Q9NZL9	
Q9P0J0	GO:0008137 (NADH dehydrogenase (ubiquinone))
Q9P777	GO:0004399 (histidinol dehydrogenase)
Q9P7F2	GO:0008131 (amine oxidase)
Q9P7M3	GO:0016894 (endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters)
Q9P9M8	
Q9QUL6	GO:0016887 (ATPase)
Q9QXV1	GO:0004842 (ubiquitin-protein ligase)
Q9QY36	GO:0008080 (N-acetyltransferase)
Q9QYF1	
Q9QYT7	
Q9R0E1	
Q9R0X4	GO:0016291 (acyl-CoA thioesterase)
Q9RAT0	
Q9RHA2	
Q9S702	GO:0004072 (aspartate kinase)

Q9S713	GO:0004672 (protein kinase)
Q9S762	GO:0003879 (ATP phosphoribosyltransferase)
Q9S7B5	GO:0004795 (threonine synthase)
Q9S7D1	GO:0046480 (galactolipid galactosyltransferase)
Q9S7E9	
Q9S7N5	
Q9S7Y7	GO:0046556 (alpha-N-arabinofuranosidase)
Q9S816	GO:0004629 (phospholipase C)
Q9S818	GO:0045486 (naringenin 3-dioxygenase)
Q9S850	GO:0008482 (sulfite oxidase)
Q9SA18	GO:0004412 (homoserine dehydrogenase)
Q9SA34	GO:0003938 (IMP dehydrogenase)
Q9SA77	GO:0050373 (UDP-arabinose 4-epimerase)
Q9SA96	GO:0047769 (arogenate dehydratase)
Q9SAA1	GO:0045547 (dehydrodolichyl diphosphate synthase)
Q9SAA5	GO:0009011 (starch synthase)
Q9SB48	GO:0003958 (NADPH-hemoprotein reductase)
Q9SBJ1	GO:0009927 (histidine phosphotransfer kinase)
Q9SC14	
Q9SCX8	GO:0016791 (phosphatase)
Q9SCY0	GO:0004614 (phosphoglucomutase)
Q9SCZ4	GO:0004672 (protein kinase)
Q9SD85	GO:0016711 (flavonoid 3'-monooxygenase)
Q9SDS7	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
Q9SDY5	GO:0019787 (small conjugating protein ligase)
Q9SEE5	GO:0004335 (galactokinase)
Q9SEI2	GO:0016887 (ATPase)
Q9SEI3	GO:0016887 (ATPase)
Q9SEI4	GO:0016887 (ATPase)
Q9SEX2	
Q9SG80	GO:0046556 (alpha-N-arabinofuranosidase)
Q9SGH6	GO:0016165 (lipoxygenase)
Q9SHH8	GO:0004364 (glutathione transferase)
Q9SI64	
Q9SID3	GO:0004416 (hydroxyacylglutathione hydrolase)
Q9SJ44	GO:0004842 (ubiquitin-protein ligase)
Q9SJA7	GO:0008115 (sarcosine oxidase)
Q9SJE2	GO:0016297 (acyl-[acyl-carrier-protein] hydrolase)
Q9SJF3	GO:0050072 (m7G(5')pppN diphosphatase)
Q9SJH7	GO:0004108 (citrate (Si)-synthase)
Q9SJT1	GO:0019948 (SUMO activating enzyme)
Q9SK82	
Q9SKB3	GO:0004649 (poly(ADP-ribose) glycohydrolase)
Q9SKE2	GO:0003824 (catalytic)
Q9SL05	GO:0009055 (electron carrier)
Q9SL42	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q9SL79	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9SLA8	GO:0016631 (enoyl-[acyl-carrier-protein] reductase)

Q9SLD2	GO:0004144 (diacylglycerol O-acyltransferase)
Q9SLG9	GO:0016308 (1-phosphatidylinositol-4-phosphate 5-kinase)
Q9SMB7	
Q9SMC1	
Q9SMG6	
Q9SMN0	GO:0004091 (carboxylesterase)
Q9SMU8	GO:0004601 (peroxidase)
Q9SMW0	GO:0016161 (beta-amylase)
Q9SMZ4	GO:0047130 (saccharopine dehydrogenase (NADP+, L-lysine-forming))
Q9SN27	GO:0004842 (ubiquitin-protein ligase)
Q9SNC6	GO:0004842 (ubiquitin-protein ligase)
Q9SP05	
Q9SP19	
Q9SP20	
Q9SPD6	GO:0004784 (superoxide dismutase)
Q9SPM5	GO:0016887 (ATPase)
Q9SPP9	
Q9SQI8	GO:0004742 (dihydrolipoyllysine-residue acetyltransferase)
Q9SQJ1	
Q9SQT6	GO:0004842 (ubiquitin-protein ligase)
Q9SR37	GO:0008422 (beta-glucosidase)
Q9SR52	GO:0009039 (urease)
Q9SR96	GO:0016491 (oxidoreductase)
Q9SRQ2	GO:0010327 (acetyl CoA:(Z)-3-hexen-1-ol acetyltransferase)
Q9SRQ7	GO:0004629 (phospholipase C)
Q9SRS9	GO:0004842 (ubiquitin-protein ligase)
Q9SRT0	GO:0004842 (ubiquitin-protein ligase)
Q9SRW9	GO:0047517 (1,4-beta-D-xylan synthase)
Q9SS01	GO:0018858 (benzoate-CoA ligase)
Q9SSB5	GO:0016887 (ATPase)
Q9SSV1	
Q9ST02	
Q9ST03	
Q9STG9	GO:0004044 (amidophosphoribosyltransferase)
Q9SU38	
Q9SU94	GO:0016274 (protein-arginine N-methyltransferase)
Q9SVC6	GO:0004842 (ubiquitin-protein ligase)
Q9SVP6	GO:0010283 (pinorexinol reductase)
Q9SW18	GO:0046406 (magnesium protoporphyrin IX methyltransferase)
Q9SWW6	GO:0016759 (cellulose synthase)
Q9S XK4	
Q9SYK9	GO:0035251 (UDP-glucosyltransferase)
Q9SYM4	GO:0003825 (alpha,alpha-trehalose-phosphate synthase (UDP-forming))
Q9SYM5	GO:0050377 (UDP-glucose 4,6-dehydratase)
Q9SYM7	
Q9SYT0	GO:0004601 (peroxidase)
Q9SZC9	
Q9SZD4	GO:0016887 (ATPase)
Q9SZZ8	GO:0010291 (carotene beta-ring hydroxylase)

Q9T0A7	GO:0003978 (UDP-glucose 4-epimerase)
Q9TV77	
Q9U022	
Q9U5A1	
Q9U794	
Q9UBP6	GO:0008176 (tRNA (guanine-N7-)-methyltransferase)
Q9UGM6	
Q9UHY7	GO:0043874 (acireductone synthase)
Q9UIC8	GO:0003880 (C-terminal protein carboxyl methyltransferase)
Q9UJ70	
Q9UJ83	GO:0016830 (carbon-carbon lyase)
Q9UK59	GO:0008419 (RNA lariat debranching enzyme)
Q9UKM7	
Q9UKV5	GO:0004842 (ubiquitin-protein ligase)
Q9UMS4	GO:0004842 (ubiquitin-protein ligase)
Q9UNW1	
Q9UR05	
Q9URQ3	GO:0008251 (tRNA-specific adenosine deaminase)
Q9US25	GO:0008094 (DNA-dependent ATPase)
Q9UT74	GO:0004409 (homoaconitate hydratase)
Q9V3G7	GO:0004175 (endopeptidase)
Q9V3H2	GO:0004175 (endopeptidase)
Q9V3I5	GO:0035175 (histone serine kinase activity (H3-S10 specific))
Q9V3P6	GO:0004175 (endopeptidase)
Q9V3Z4	GO:0004175 (endopeptidase)
Q9V405	GO:0004175 (endopeptidase)
Q9V429	GO:0015036 (disulfide oxidoreductase)
Q9V7Y2	GO:0008117 (sphinganine-1-phosphate aldolase)
Q9VBL1	GO:0042500 (aspartic endopeptidase activity, intramembrane cleaving)
Q9VJN9	GO:0004175 (endopeptidase)
Q9VMQ9	
Q9VMW9	GO:0008446 (GDP-mannose 4,6-dehydratase)
Q9VPQ7	GO:0042500 (aspartic endopeptidase activity, intramembrane cleaving)
Q9VQ61	GO:0004069 (aspartate transaminase)
Q9VT65	GO:0004198 (calcium-dependent cysteine-type endopeptidase)
Q9VUX3	GO:0019213 (deacetylase)
Q9VW54	GO:0004175 (endopeptidase)
Q9VZQ8	GO:0004601 (peroxidase)
Q9W1X8	GO:0050577 (GDP-L-fucose synthase)
Q9W3H4	GO:0004090 (carbonyl reductase (NADPH))
Q9W3Z3	GO:0008453 (alanine-glyoxylate transaminase)
Q9W5E1	GO:0004842 (ubiquitin-protein ligase)
Q9WTV7	GO:0004842 (ubiquitin-protein ligase)
Q9WYR4	
Q9WZ49	
Q9X0Y1	
Q9XES5	
Q9XF67	GO:0004676 (3-phosphoinositide-dependent protein kinase)
Q9XGN4	

Q9XHE8	
Q9XI60	GO:0008195 (phosphatidate phosphatase)
Q9XIA9	GO:0004467 (long-chain-fatty-acid-CoA ligase)
Q9XIL5	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9XIS5	
Q9XZ08	GO:0008375 (acetylglucosaminyltransferase)
Q9XZ58	GO:0019781 (NEDD8 activating enzyme)
Q9XZG5	
Q9Y230	GO:0016887 (ATPase)
Q9Y259	
Q9Y3E5	
Q9Y4K3	GO:0004842 (ubiquitin-protein ligase)
Q9Y4P1	GO:0008234 (cysteine-type peptidase)
Q9Y725	
Q9Y751	
Q9Y7P1	GO:0015035 (protein disulfide oxidoreductase)
Q9Z2I2	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q9Z2V5	GO:0004407 (histone deacetylase)
Q9Z325	GO:0004582 (dolichyl-phosphate beta-D-mannosyltransferase)
Q9Z714	
Q9ZNV9	GO:0009927 (histidine phosphotransfer kinase)
Q9ZP23	
Q9ZPM3	
Q9ZPV8	GO:0004595 (pantetheine-phosphate adenylyltransferase)
Q9ZQ31	GO:0004713 (protein tyrosine kinase)
Q9ZQ94	GO:0046527 (glucosyltransferase)
Q9ZQ95	GO:0035251 (UDP-glucosyltransferase)
Q9ZQ99	GO:0035251 (UDP-glucosyltransferase)
Q9ZQC6	GO:0042285 (xylosyltransferase)
Q9ZQH0	GO:0004140 (dephospho-CoA kinase)
Q9ZQN5	GO:0016301 (kinase)
Q9ZS50	
Q9ZSK1	GO:0050342 (tocopherol O-methyltransferase)
Q9ZSP7	
Q9ZSS6	GO:0004794 (L-threonine ammonia-lyase)
Q9ZT48	GO:0004057 (arginyltransferase)
Q9ZTP4	
Q9ZTS1	
Q9ZUB3	GO:0004766 (spermidine synthase)
Q9ZUU1	GO:0004017 (adenylate kinase)
Q9ZUX1	GO:0008393 (fatty acid (omega-1)-hydroxylase)
Q9ZUY3	GO:0047769 (arogenate dehydratase)
Q9ZUY6	GO:0048040 (UDP-glucuronate decarboxylase)
Q9ZVI9	GO:0004306 (ethanolamine-phosphate cytidyltransferase)
Q9ZW86	GO:0004656 (procollagen-proline 4-dioxygenase)
Q9ZWQ9	