

Heat Stress Responsive <i>Zostera noltii</i> Genes, Southern Population ($\alpha=0.01$)	
METACYC ID	Description
A1ZA72	GO:0004687 (myosin light chain kinase)
A4GNA8	GO:0004609 (phosphatidylserine decarboxylase)
A5N5C7	
A6N6K7	
A6N6K8	
A8R7E6	GO:0019199 (transmembrane receptor protein kinase)
A9LDD9	GO:0004372 (glycine hydroxymethyltransferase)
B0BN46	GO:0030267 (glyoxylate reductase (NADP))
B3DGQ0	GO:0004842 (ubiquitin-protein ligase)
B3N567	
B4K9W3	
O00217	GO:0008137 (NADH dehydrogenase (ubiquinone))
O04379	GO:0004521 (endoribonuclease)
O04719	GO:0004722 (protein serine/threonine phosphatase)
O04847	
O04885	
O04896	
O04897	
O04905	GO:0009041 (uridylate kinase)
O04928	GO:0004605 (phosphatidate cytidyltransferase)
O04983	GO:0003989 (acetyl-CoA carboxylase)
O08888	
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)
O14134	GO:0016887 (ATPase)
O14295	GO:0050236 (pyridoxine 4-dehydrogenase)
O14638	GO:0047429 (nucleoside-triphosphate diphosphatase)
O15498	GO:0019706 (protein-cysteine S-palmitoleyltransferase)
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)
O22211	GO:0003975 (UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminophosphotransferase)
O22213	GO:0019139 (cytokinin dehydrogenase)
O22229	GO:0004791 (thioredoxin-disulfide reductase)
O22287	GO:0004475 (mannose-1-phosphate guanylyltransferase)
O22446	GO:0004407 (histone deacetylase)
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)
O23255	GO:0004013 (adenosylhomocysteinase)
O23461	GO:0009702 (L-arabinokinase)
O23512	GO:0016788 (hydrolase activity, acting on ester bonds)
O23627	
O23680	GO:0003924 (GTPase)
O23761	
O24035	
O24297	
O24454	GO:0004843 (ubiquitin-specific protease)
O24529	
O24621	GO:0003899 (DNA-directed RNA polymerase)
O30561	
O30612	
O31749	
O32028	
O34125	
O35244	GO:0004602 (glutathione peroxidase)
O35940	
O42807	GO:0030600 (feruloyl esterase)
O42861	GO:0008094 (DNA-dependent ATPase)
O43708	
O43933	GO:0042623 (ATPase activity, coupled)
O48661	GO:0004766 (spermidine synthase)
O48722	GO:0004392 (heme oxygenase (decyclizing))
O48723	GO:0016298 (lipase)
O48814	GO:0016301 (kinase)
O48890	GO:0003899 (DNA-directed RNA polymerase)
O48917	GO:0046507 (UDPsulfoquinovose synthase)
O48947	GO:0016759 (cellulose synthase)
O48958	
O48962	GO:0000247 (C-8 sterol isomerase)
O49081	
O49213	GO:0050577 (GDP-L-fucose synthase)
O49434	GO:0047652 (allantoate deiminase)
O49499	GO:0042409 (caffeoyl-CoA O-methyltransferase)
O49543	GO:0031071 (cysteine desulfurase)
O49562	GO:0004721 (phosphoprotein phosphatase)
O49855	
O49857	
O50008	GO:0008705 (methionine synthase)
O54199	
O55035	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
O55234	GO:0008233 (peptidase)
O57203	
O58651	
O58762	
O60078	GO:0004665 (prephenate dehydrogenase (NADP+))

O60260	GO:0004842 (ubiquitin-protein ligase)
O60344	GO:0004222 (metalloendopeptidase)
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)
O64763	GO:0004842 (ubiquitin-protein ligase)
O64867	GO:0004842 (ubiquitin-protein ligase)
O64925	
O65201	GO:0003997 (acyl-CoA oxidase)
O65202	GO:0003997 (acyl-CoA oxidase)
O65258	GO:0016161 (beta-amylase)
O65351	GO:0004252 (serine-type endopeptidase)
O65419	GO:0017050 (D-erythro-sphingosine kinase)
O65572	GO:0045549 (9-cis-epoxycarotenoid dioxygenase)
O65876	
O65896	GO:0004126 (cytidine deaminase)
O67577	
O70196	GO:0004175 (endopeptidase)
O73884	
O74635	GO:0003899 (DNA-directed RNA polymerase)
O74850	GO:0004144 (diacylglycerol O-acyltransferase)
O74856	GO:0000175 (3'-5'-exoribonuclease)
O74878	GO:0000026 (alpha-1,2-mannosyltransferase)
O74880	GO:0004482 (mRNA (guanine-N7-)-methyltransferase)
O75251	GO:0003954 (NADH dehydrogenase)
O75449	GO:0008568 (microtubule-severing ATPase)
O75897	
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)
O80433	
O80437	GO:0003841 (1-acylglycerol-3-phosphate O-acyltransferase)
O80673	GO:0004683 (calmodulin-dependent protein kinase)
O80725	GO:0008559 (xenobiotic-transporting ATPase)
O80840	GO:0004615 (phosphomannomutase)
O80860	
O80871	GO:0004722 (protein serine/threonine phosphatase)
O80952	GO:0008444 (CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase)
O81108	GO:0005388 (calcium-transporting ATPase)
O81210	GO:0016174 (NAD(P)H oxidase)
O81235	GO:0004784 (superoxide dismutase)

O81413	
O81635	GO:0016887 (ATPase)
O81646	
O81884	GO:0010349 (L-galactose dehydrogenase)
O82110	
O82139	
O82162	GO:0030946 (protein tyrosine phosphatase activity, metal-dependent)
O82175	GO:0042054 (histone methyltransferase)
O82239	GO:0004842 (ubiquitin-protein ligase)
O82261	GO:0004252 (serine-type endopeptidase)
O82413	
O82462	
O82567	
O82730	GO:0046509 (1,2-diacylglycerol 3-beta-galactosyltransferase)
O82768	GO:0004636 (phosphoribosyl-ATP diphosphatase)
O82782	GO:0003949 (1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino]imidazole-4-carboxamide isomerase)
O85192	
O88738	GO:0004842 (ubiquitin-protein ligase)
O88766	GO:0008237 (metallopeptidase)
O94263	GO:0003887 (DNA-directed DNA polymerase)
O94616	GO:0003899 (DNA-directed RNA polymerase)
O94703	GO:0003899 (DNA-directed RNA polymerase)
O95271	GO:0003950 (NAD+ ADP-ribosyltransferase)
O95336	
O95363	GO:0004826 (phenylalanine-tRNA ligase)
O95391	GO:0000386 (second spliceosomal transesterification)
O95476	GO:0004722 (protein serine/threonine phosphatase)
O96780	
O96787	
O96989	GO:0043138 (3'-5' DNA helicase)
P00128	GO:0008121 (ubiquinol-cytochrome-c reductase)
P00401	GO:0004129 (cytochrome-c oxidase)
P00558	
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)
P00950	GO:0004619 (phosphoglycerate mutase)
P00956	
P00962	
P02829	GO:0042623 (ATPase activity, coupled)
P02992	GO:0003924 (GTPase)
P03355	
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)
P05314	
P05466	GO:0003866 (3-phosphoshikimate 1-carboxyvinyltransferase)
P05772	
P05895	
P06576	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
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)
P07276	GO:0000014 (single-stranded DNA specific endodeoxyribonuclease)
P07560	GO:0003924 (GTPase)
P07639	
P07649	
P07813	
P07991	
P08179	
P08461	GO:0004742 (dihydrolipoyllysine-residue acetyltransferase)
P08879	GO:0016301 (kinase)
P09034	GO:0004055 (argininosuccinate synthase)
P09624	GO:0004738 (pyruvate dehydrogenase)
P09668	GO:0004197 (cysteine-type endopeptidase)
P0A3C9	GO:0009055 (electron carrier)
P0A6A0	
P0A6K3	
P0A717	
P0A8F4	
P0A8Y5	
P0A9L5	
P0AB65	
P0ABG1	
P0ABQ2	
P0ABU0	
P0ACC1	
P0ADF6	
P0ADX9	
P0AE18	
P0AEH1	
P0AEI1	
P0AG20	
P0AG24	
P10081	GO:0004004 (ATP-dependent RNA helicase)
P10363	GO:0003896 (DNA primase)

P10507	GO:0004222 (metalloendopeptidase)
P10591	GO:0016887 (ATPase)
P10742	
P10902	
P10963	GO:0004612 (phosphoenolpyruvate carboxykinase (ATP))
P11017	GO:0003924 (GTPase)
P11155	
P11446	
P11875	
P11914	GO:0004222 (metalloendopeptidase)
P12210	
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)
P13433	GO:0003899 (DNA-directed RNA polymerase)
P13444	GO:0004478 (methionine adenosyltransferase)
P14242	GO:0016887 (ATPase)
P14540	GO:0004332 (fructose-bisphosphate aldolase)
P14605	GO:0004016 (adenylate cyclase)
P14654	
P14656	
P14671	GO:0004834 (tryptophan synthase)
P14832	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P15280	
P15347	
P15367	GO:0008233 (peptidase)
P15374	
P15531	GO:0004550 (nucleoside diphosphate kinase)
P15873	GO:0030337 (DNA polymerase processivity factor)
P16016	
P16140	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P17597	GO:0003984 (acetolactate synthase)
P17784	GO:0004332 (fructose-bisphosphate aldolase)
P18064	GO:0003924 (GTPase)
P18160	
P18203	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P18417	
P18544	GO:0003992 (acetylornithine transaminase)
P19146	GO:0003924 (GTPase)
P19171	GO:0004568 (chitinase)
P19404	GO:0008137 (NADH dehydrogenase (ubiquinone))
P19447	GO:0043138 (3'-5' DNA helicase)
P19456	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)

P19734	GO:0018662 (phenol 2-monooxygenase)
P19836	GO:0004105 (choline-phosphate cytidyltransferase)
P19882	GO:0016887 (ATPase)
P19938	GO:0047810 (D-alanine transaminase)
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)
P20585	GO:0000701 (purine-specific mismatch base pair DNA N-glycosylase)
P20649	GO:0016887 (ATPase)
P20794	
P21127	GO:0004674 (protein serine/threonine kinase)
P21565	GO:0003924 (GTPase)
P21675	GO:0004674 (protein serine/threonine kinase)
P22188	
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)
P24101	GO:0004601 (peroxidase)
P24155	GO:0008233 (peptidase)
P24157	
P24230	
P24232	
P24384	GO:0000386 (second spliceosomal transesterification)
P24487	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
P24555	
P24704	GO:0004784 (superoxide dismutase)
P25038	GO:0003924 (GTPase)
P25161	GO:0004175 (endopeptidase)
P25296	GO:0004723 (calcium-dependent protein serine/threonine phosphatase)
P25323	
P25345	GO:0004816 (asparagine-tRNA ligase)
P25627	GO:0016435 (rRNA (guanine) methyltransferase)
P25655	GO:0000175 (3'-5'-exoribonuclease)
P25694	GO:0016887 (ATPase)
P25696	GO:0004634 (phosphopyruvate hydratase)
P25704	
P25819	GO:0004096 (catalase)
P25856	
P25857	
P25865	GO:0004842 (ubiquitin-protein ligase)
P26270	GO:0004175 (endopeptidase)
P27398	
P28274	GO:0003883 (CTP synthase)

P28331	GO:0008137 (NADH dehydrogenase (ubiquinone))
P28370	GO:0008094 (DNA-dependent ATPase)
P28475	
P28715	GO:0004520 (endodeoxyribonuclease)
P28777	GO:0042602 (flavin reductase)
P29029	GO:0008843 (endochitinase)
P29102	
P29117	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P29218	GO:0008934 (inositol-1(or 4)-monophosphatase)
P29250	GO:0016165 (lipoxygenase)
P29340	GO:0004842 (ubiquitin-protein ligase)
P29448	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
P29829	GO:0003924 (GTPase)
P30041	GO:0004623 (phospholipase A2)
P30044	GO:0004601 (peroxidase)
P30136	
P30366	GO:0004722 (protein serine/threonine phosphatase)
P30713	GO:0004364 (glutathione transferase)
P30792	
P30839	GO:0004028 (3-chloroallyl aldehyde dehydrogenase)
P31166	GO:0003999 (adenine phosphoribosyltransferase)
P31244	GO:0008094 (DNA-dependent ATPase)
P31414	GO:0009678 (hydrogen-translocating pyrophosphatase)
P31638	
P32333	GO:0016887 (ATPase)
P32469	GO:0004164 (diphthine synthase)
P32573	GO:0008670 (2,4-dienoyl-CoA reductase (NADPH))
P32642	GO:0015036 (disulfide oxidoreductase)
P32660	GO:0004012 (phospholipid-translocating ATPase)
P32746	GO:0004152 (dihydroorotate dehydrogenase)
P32795	
P32835	GO:0003924 (GTPase)
P33298	GO:0016887 (ATPase)
P33309	GO:0004521 (endoribonuclease)
P33643	
P33760	GO:0016887 (ATPase)
P34047	GO:0004424 (imidazoleglycerol-phosphate dehydratase)
P34099	
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)
P34909	GO:0004842 (ubiquitin-protein ligase)
P35055	
P35196	GO:0045547 (dehydrodolichyl diphosphate synthase)
P35434	GO:0016887 (ATPase)
P35510	

P35559	GO:0016887 (ATPase)
P35579	GO:0030898 (actin-dependent ATPase)
P35580	GO:0030898 (actin-dependent ATPase)
P36015	GO:0016409 (palmitoyltransferase)
P36017	GO:0003924 (GTPase)
P36060	GO:0004128 (cytochrome-b5 reductase)
P36096	GO:0004842 (ubiquitin-protein ligase)
P36163	GO:0004222 (metalloendopeptidase)
P36421	GO:0004831 (tyrosine-tRNA ligase)
P36542	GO:0016887 (ATPase)
P36590	GO:0004798 (thymidylate kinase)
P36602	GO:0004748 (ribonucleoside-diphosphate reductase)
P36776	
P36872	GO:0004722 (protein serine/threonine phosphatase)
P37292	GO:0004372 (glycine hydroxymethyltransferase)
P37382	GO:0003899 (DNA-directed RNA polymerase)
P38077	GO:0016887 (ATPase)
P38109	GO:0017171 (serine hydrolase)
P38116	GO:0003924 (GTPase)
P38132	GO:0043142 (single-stranded DNA-dependent ATPase)
P38143	GO:0047066 (phospholipid-hydroperoxide glutathione peroxidase)
P38197	GO:0008784 (alanine racemase)
P38205	GO:0016428 (tRNA (cytosine-5-)-methyltransferase)
P38207	GO:0008311 (double-stranded DNA specific 3'-5' exodeoxyribonuclease)
P38219	GO:0016887 (ATPase)
P38242	GO:0004577 (N-acetylglucosaminyl diphosphodolichol N-acetylglucosaminyltransferase)
P38295	GO:0017171 (serine hydrolase)
P38336	GO:0004526 (ribonuclease P)
P38418	GO:0016165 (lipoxygenase)
P38555	GO:0003924 (GTPase)
P38620	GO:0004749 (ribose phosphate diphosphokinase)
P38625	GO:0003922 (GMP synthase (glutamine-hydrolyzing))
P38632	GO:0019789 (SUMO ligase)
P38712	GO:0008186 (RNA-dependent ATPase)
P38719	GO:0016887 (ATPase)
P38793	GO:0016423 (tRNA (guanine) methyltransferase)
P38795	GO:0016811 (hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides)
P38820	GO:0042292 (URM1 activating enzyme)
P38913	GO:0003919 (FMN adenylyltransferase)
P38961	GO:0008168 (methyltransferase)
P38989	GO:0016887 (ATPase)
P39012	GO:0003923 (GPI-anchor transamidase)
P39206	
P39286	
P39517	GO:0003724 (RNA helicase)
P39524	GO:0004012 (phospholipid-translocating ATPase)
P39656	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)

P39708	GO:0004354 (glutamate dehydrogenase (NADP+))
P39730	GO:0003924 (GTPase)
P40024	GO:0042624 (ATPase activity, uncoupled)
P40072	GO:0004842 (ubiquitin-protein ligase)
P40160	GO:0004672 (protein kinase)
P40312	GO:0009055 (electron carrier)
P40318	GO:0004842 (ubiquitin-protein ligase)
P40327	GO:0016887 (ATPase)
P40341	GO:0008237 (metallopeptidase)
P40507	GO:0004652 (polynucleotide adenylyltransferase)
P40938	GO:0016887 (ATPase)
P40945	GO:0003956 (NAD(P)+-protein-arginine ADP-ribosyltransferase)
P40984	GO:0019789 (SUMO ligase)
P40989	GO:0003843 (1,3-beta-glucan synthase)
P40999	GO:0009008 (DNA-methyltransferase)
P41043	GO:0004602 (glutathione peroxidase)
P41338	GO:0003985 (acetyl-CoA C-acetyltransferase)
P41543	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)
P41759	GO:0004618 (phosphoglycerate kinase)
P41892	GO:0004674 (protein serine/threonine kinase)
P42738	GO:0004106 (chorismate mutase)
P42744	GO:0008641 (small protein activating enzyme)
P42745	GO:0004842 (ubiquitin-protein ligase)
P42747	GO:0004842 (ubiquitin-protein ligase)
P42748	GO:0004842 (ubiquitin-protein ligase)
P42770	GO:0004362 (glutathione-disulfide reductase)
P42799	GO:0042286 (glutamate-1-semialdehyde 2,1-aminomutase)
P42804	GO:0008883 (glutamyl-tRNA reductase)
P42813	GO:0004540 (ribonuclease)
P42863	GO:0016853 (isomerase)
P43254	GO:0004842 (ubiquitin-protein ligase)
P43288	
P43311	
P43609	GO:0008094 (DNA-dependent ATPase)
P45478	GO:0016290 (palmitoyl-CoA hydrolase)
P45724	
P45725	
P45844	GO:0034041 (sterol-transporting ATPase)
P46014	GO:0004721 (phosphoprotein phosphatase)
P46086	GO:0004496 (mevalonate kinase)
P46248	GO:0004069 (aspartate transaminase)
P46273	
P46283	GO:0050278 (sedoheptulose-bisphosphatase)
P46309	GO:0004357 (glutamate-cysteine ligase)
P46310	GO:0042389 (omega-3 fatty acid desaturase)
P46312	GO:0045485 (omega-6 fatty acid desaturase)
P46422	GO:0004364 (glutathione transferase)
P46462	GO:0016887 (ATPase)
P46573	

P46637	GO:0004053 (arginase)
P46643	GO:0004069 (aspartate transaminase)
P46644	GO:0004069 (aspartate transaminase)
P46852	
P46934	GO:0004842 (ubiquitin-protein ligase)
P46943	GO:0003924 (GTPase)
P46959	GO:0016429 (tRNA (adenine-N1-)-methyltransferase)
P46962	GO:0004693 (cyclin-dependent protein kinase)
P46964	GO:0004579 (dolichyl-diphosphooligosaccharide-protein glycotransferase)
P47026	GO:0032216 (glucosaminyl-phosphatidylinositol O-acyltransferase)
P47052	GO:0008177 (succinate dehydrogenase (ubiquinone))
P47058	GO:0008251 (tRNA-specific adenosine deaminase)
P47122	GO:0016887 (ATPase)
P47143	GO:0004001 (adenosine kinase)
P47735	
P47807	GO:0016887 (ATPase)
P47924	GO:0008686 (3,4-dihydroxy-2-butanone-4-phosphate synthase)
P47938	GO:0015036 (disulfide oxidoreductase)
P47968	GO:0004751 (ribose-5-phosphate isomerase)
P47999	GO:0004124 (cysteine synthase)
P48011	GO:0003899 (DNA-directed RNA polymerase)
P48047	GO:0016887 (ATPase)
P48422	GO:0008393 (fatty acid (omega-1)-hydroxylase)
P48582	GO:0004843 (ubiquitin-specific protease)
P48622	GO:0042389 (omega-3 fatty acid desaturase)
P48642	
P48651	
P49017	GO:0043334 (2-hexaprenyl-6-methoxy-1,4-benzoquinone methyltransferase)
P49018	GO:0003923 (GPI-anchor transamidase)
P49037	
P49077	GO:0004070 (aspartate carbamoyltransferase)
P49095	GO:0004375 (glycine dehydrogenase (decarboxylating))
P49572	GO:0004425 (indole-3-glycerol-phosphate synthase)
P49597	GO:0004722 (protein serine/threonine phosphatase)
P49598	GO:0004722 (protein serine/threonine phosphatase)
P49902	
P50107	GO:0004462 (lactoylglutathione lyase)
P50518	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P50579	GO:0008235 (metalloexopeptidase)
P51102	GO:0045552 (dihydrokaempferol 4-reductase)
P51566	
P51567	GO:0004672 (protein kinase)
P51650	GO:0004777 (succinate-semialdehyde dehydrogenase)
P51698	
P51863	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
P51996	GO:0003924 (GTPase)
P52286	GO:0004842 (ubiquitin-protein ligase)

P52424	
P52480	GO:0004743 (pyruvate kinase)
P52701	GO:0016887 (ATPase)
P52910	GO:0003987 (acetate-CoA ligase)
P52920	GO:0016887 (ATPase)
P53042	
P53078	GO:0008252 (nucleotidase)
P53131	GO:0004004 (ATP-dependent RNA helicase)
P53167	GO:0009982 (pseudouridine synthase)
P53177	GO:0008175 (tRNA methyltransferase)
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)
P53780	GO:0004121 (cystathionine beta-lyase)
P53868	GO:0000030 (mannosyltransferase)
P53946	GO:0043140 (ATP-dependent 3'-5' DNA helicase)
P54150	
P54263	GO:0004816 (asparagine-tRNA ligase)
P54415	
P54416	
P54873	GO:0004421 (hydroxymethylglutaryl-CoA synthase)
P54886	
P54904	GO:0004735 (pyrroline-5-carboxylate reductase)
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 adenyltransferase)
P55233	
P55861	GO:0016887 (ATPase)
P56558	
P57054	
P57681	GO:0001735 (prenylcysteine oxidase)
P59941	GO:0003956 (NAD(P)+-protein-arginine ADP-ribosyltransferase)
P60662	GO:0030898 (actin-dependent ATPase)
P61517	
P61957	GO:0019789 (SUMO ligase)
P62898	GO:0009055 (electron carrier)
P63331	GO:0004722 (protein serine/threonine phosphatase)
P67475	
P68032	GO:0016887 (ATPase)
P68106	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
P68404	GO:0004697 (protein kinase C)
P69441	
P69834	GO:0050518 (2-C-methyl-D-erythritol 4-phosphate cytidyltransferase)

P70054	GO:0017108 (5'-flap endonuclease)
P70470	GO:0004622 (lysophospholipase)
P76083	
P77044	
P77161	
P77247	
P77256	
P77781	
P78937	GO:0004781 (sulfate adenylyltransferase (ATP))
P80244	
P80386	GO:0004679 (AMP-activated protein kinase)
P82474	
P82808	GO:0004360 (glutamine-fructose-6-phosphate transaminase (isomerizing))
P83686	GO:0004128 (cytochrome-b5 reductase)
P83851	GO:0047724 (inosine nucleosidase)
P84850	GO:0051990 ((R)-2-hydroxyglutarate dehydrogenase)
P87123	GO:0003899 (DNA-directed RNA polymerase)
P87131	GO:0004124 (cysteine synthase)
P87267	
P90648	
P92923	
P92939	GO:0005388 (calcium-transporting ATPase)
P92983	GO:0004657 (proline dehydrogenase)
P92994	GO:0016710 (trans-cinnamate 4-monooxygenase)
P92996	GO:0050162 (oxalate oxidase)
P93028	GO:0004842 (ubiquitin-protein ligase)
P93031	GO:0008446 (GDP-mannose 4,6-dehydratase)
P93230	
P93733	GO:0004630 (phospholipase D)
P93757	GO:0004385 (guanylate kinase)
P93805	
P93941	
P97519	GO:0004419 (hydroxymethylglutaryl-CoA lyase)
P98183	
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)
Q01205	
Q01320	GO:0003918 (DNA topoisomerase (ATP-hydrolyzing))
Q01939	GO:0016887 (ATPase)
Q02061	GO:0003899 (DNA-directed RNA polymerase)
Q02804	GO:0003924 (GTPase)
Q02908	GO:0004402 (histone acetyltransferase)
Q02972	GO:0046029 (mannitol dehydrogenase)
Q03071	GO:0004842 (ubiquitin-protein ligase)
Q03468	GO:0008094 (DNA-dependent ATPase)
Q03503	GO:0004596 (peptide alpha-N-acetyltransferase)
Q03519	
Q03532	GO:0008186 (RNA-dependent ATPase)

Q03920	GO:0008757 (S-adenosylmethionine-dependent methyltransferase)
Q04344	GO:0033699 (DNA 5'-adenosine monophosphate hydrolase)
Q04656	
Q04781	GO:0004842 (ubiquitin-protein ligase)
Q05047	
Q05924	GO:0042578 (phosphoric ester hydrolase)
Q05957	
Q06060	
Q06147	GO:0017050 (D-erythro-sphingosine kinase)
Q06168	GO:0008094 (DNA-dependent ATPase)
Q06205	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q06551	GO:0019706 (protein-cysteine S-palmitoleyltransferase)
Q06636	GO:0051377 (mannose-ethanolamine phosphotransferase)
Q07353	
Q07356	GO:0016166 (phytoene dehydrogenase)
Q07527	GO:0016423 (tRNA (guanine) methyltransferase)
Q07536	GO:0004491 (methylmalonate-semialdehyde dehydrogenase (acylating))
Q07923	GO:0003955 (NAD(P)H dehydrogenase (quinone))
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)
Q09173	GO:0004722 (protein serine/threonine phosphatase)
Q09177	GO:0003899 (DNA-directed RNA polymerase)
Q0WP28	GO:0004656 (procollagen-proline 4-dioxygenase)
Q0WRJ7	GO:0016491 (oxidoreductase)
Q0WUG6	GO:0004252 (serine-type endopeptidase)
Q0WUI9	GO:0004805 (trehalose-phosphatase)
Q10156	
Q10359	GO:0031278 (alpha-1,2-galactosyltransferase)
Q10711	GO:0004222 (metalloendopeptidase)
Q11002	GO:0004198 (calcium-dependent cysteine-type endopeptidase)
Q11136	GO:0008233 (peptidase)
Q12126	GO:0019912 (cyclin-dependent protein kinase activating kinase)
Q12154	GO:0016887 (ATPase)
Q12165	GO:0016887 (ATPase)
Q12196	GO:0004672 (protein kinase)
Q12383	GO:0008175 (tRNA methyltransferase)
Q12385	GO:0042171 (lysophosphatidic acid acyltransferase)
Q12508	GO:0004842 (ubiquitin-protein ligase)
Q12556	
Q12792	GO:0004713 (protein tyrosine kinase)
Q12830	GO:0008094 (DNA-dependent ATPase)
Q12887	GO:0004129 (cytochrome-c oxidase)
Q13572	
Q13615	GO:0004725 (protein tyrosine phosphatase)
Q13825	GO:0004300 (enoyl-CoA hydratase)

Q15257	GO:0016887 (ATPase)
Q15311	GO:0043492 (ATPase activity, coupled to movement of substances)
Q15542	GO:0004402 (histone acetyltransferase)
Q15910	GO:0042054 (histone methyltransferase)
Q16881	
Q16974	
Q1ACB3	GO:0010357 (homogentisate solanesyltransferase)
Q1CSB4	
Q1CTA7	
Q1EC69	GO:0000254 (C-4 methylsterol oxidase)
Q1H537	GO:0051744 (3,8-divinyl protochlorophyllide a 8-vinyl reductase)
Q1KSC5	
Q1PCS1	GO:0016175 (superoxide-generating NADPH oxidase)
Q1PID4	
Q1RS11	
Q1WIQ6	GO:0008886 (glyceraldehyde-3-phosphate dehydrogenase (NADP+))
Q23500	
Q24208	GO:0042054 (histone methyltransferase)
Q2HXL6	GO:0004569 (glycoprotein endo-alpha-1,2-mannosidase)
Q2I8V6	
Q2M4X6	
Q2MHE4	GO:0016301 (kinase)
Q2PS26	GO:0016929 (SUMO-specific protease)
Q2XQ19	
Q2XV35	GO:0004406 (H3/H4 histone acetyltransferase)
Q2YGU0	
Q2YGU1	
Q33DL3	
Q38772	
Q38775	
Q38833	GO:0046408 (chlorophyll synthetase)
Q38854	GO:0008661 (1-deoxy-D-xylulose-5-phosphate synthase)
Q38869	GO:0004672 (protein kinase)
Q38882	GO:0004630 (phospholipase D)
Q38912	GO:0003924 (GTPase)
Q38933	GO:0045436 (lycopene beta cyclase)
Q38946	GO:0004353 (glutamate dehydrogenase [NAD(P)+])
Q38971	
Q39016	GO:0004683 (calmodulin-dependent protein kinase)
Q39019	
Q39024	GO:0004707 (MAP kinase)
Q39055	GO:0003824 (catalytic)
Q39056	GO:0003824 (catalytic)
Q39102	
Q39152	GO:0080019 (fatty acyl-CoA reductase (alcohol-forming))
Q39172	GO:0032440 (2-alkenal reductase)
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)
Q39243	GO:0004791 (thioredoxin-disulfide reductase)
Q39249	GO:0046422 (violaxanthin de-epoxidase)
Q39619	
Q39734	
Q3C2L6	
Q3E840	GO:0009055 (electron carrier)
Q3E9X8	GO:0043765 (T/G mismatch-specific endonuclease)
Q3ECD9	GO:0004725 (protein tyrosine phosphatase)
Q3ECG5	GO:0016301 (kinase)
Q3EDK8	GO:0009924 (octadecanal decarbonylase)
Q3LXA3	
Q3S891	
Q3SYZ6	
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)
Q3TWG2	GO:0004558 (alpha-glucosidase)
Q3TWL1	GO:0008233 (peptidase)
Q3TY87	GO:0004334 (fumarylacetoacetase)
Q3U462	GO:0004568 (chitinase)
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)
Q40353	
Q40412	
Q40531	
Q40532	
Q40672	
Q40673	
Q40677	GO:0004332 (fructose-bisphosphate aldolase)
Q40884	
Q40983	
Q41158	
Q41370	
Q41376	
Q42403	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q42472	GO:0004351 (glutamate decarboxylase)
Q42523	GO:0004485 (methylcrotonoyl-CoA carboxylase)

Q42524	GO:0016207 (4-coumarate-CoA ligase)
Q42525	GO:0008865 (fructokinase)
Q42529	GO:0004834 (tryptophan synthase)
Q42536	
Q42540	GO:0004842 (ubiquitin-protein ligase)
Q42546	GO:0008441 (3'(2'),5'-bisphosphate nucleotidase)
Q42569	
Q42586	GO:0004590 (orotidine-5'-phosphate decarboxylase)
Q42600	GO:0046424 (ferulate 5-hydroxylase)
Q42606	GO:0004851 (uroporphyrin-III C-methyltransferase)
Q42645	
Q42880	
Q43077	
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)
Q43503	
Q43725	GO:0004124 (cysteine synthase)
Q43772	
Q43816	
Q43866	GO:0004564 (beta-fructofuranosidase)
Q43870	GO:0004781 (sulfate adenylyltransferase (ATP))
Q45QT1	
Q46851	
Q46978	
Q47098	
Q48296	
Q4AEC5	
Q4G338	
Q4LB57	
Q4PIR3	GO:0019789 (SUMO ligase)
Q4QXY1	
Q4TU14	GO:0004842 (ubiquitin-protein ligase)
Q504P4	GO:0042623 (ATPase activity, coupled)
Q52T38	GO:0016417 (S-acyltransferase)
Q53597	
Q53ZN0	
Q540V7	GO:0008236 (serine-type peptidase)
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)
Q56YU0	GO:0050269 (coniferyl-aldehyde dehydrogenase)
Q56ZN6	GO:0009678 (hydrogen-translocating pyrophosphatase)
Q596C5	
Q596W8	
Q596W9	
Q598P5	
Q59993	
Q59H18	GO:0004672 (protein kinase)
Q59L48	
Q5DKU8	
Q5DKU9	
Q5ECE3	
Q5GA13	GO:0016262 (protein N-acetylglucosaminyltransferase)
Q5GA22	
Q5HZ38	GO:0016301 (kinase)
Q5I0M2	GO:0004514 (nicotinate-nucleotide diphosphorylase (carboxylating))
Q5I1Y5	GO:0042623 (ATPase activity, coupled)
Q5IBM5	GO:0004842 (ubiquitin-protein ligase)
Q5ICC1	
Q5IW12	
Q5KTR2	
Q5M969	GO:0050124 (N-acylneuraminate-9-phosphatase)
Q5NBZ8	GO:0004672 (protein kinase)
Q5RH13	GO:0004842 (ubiquitin-protein ligase)
Q5SGD2	
Q5U3Z7	GO:0008732 (L-allo-threonine aldolase)
Q5U430	GO:0004842 (ubiquitin-protein ligase)
Q5UNS2	
Q5USC3	
Q5VQG4	GO:0047274 (galactinol-sucrose galactosyltransferase)
Q5W7F1	GO:0017040 (ceramidase)
Q5XF85	GO:0004842 (ubiquitin-protein ligase)
Q5XLF3	
Q60720	GO:0000293 (ferric-chelate reductase)
Q61074	GO:0004721 (phosphoprotein phosphatase)
Q61144	GO:0004175 (endopeptidase)
Q62226	GO:0016787 (hydrolase)
Q64MA3	GO:0048256 (flap endonuclease)
Q65CJ7	
Q675A5	GO:0047499 (calcium-independent phospholipase A2)
Q67C39	
Q67ZE1	GO:0047012 (sterol-4-alpha-carboxylate 3-dehydrogenase (decarboxylating))
Q680Q4	GO:0019789 (SUMO ligase)
Q69AX6	
Q6AYS7	
Q6DGG0	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q6DNI8	
Q6EMC1	

Q6F3I7	
Q6GV12	
Q6IVK8	
Q6L619	
Q6NLQ6	GO:0004698 (calcium-dependent protein kinase C)
Q6NQJ6	GO:0000175 (3'-5'-exoribonuclease)
Q6P3A8	GO:0003826 (alpha-ketoacid dehydrogenase)
Q6P8N8	GO:0016887 (ATPase)
Q6PD18	GO:0008237 (metallopeptidase)
Q6PF93	GO:0004672 (protein kinase)
Q6PFW1	GO:0033857 (diphosphoinositol-pentakisphosphate kinase)
Q6PHC1	GO:0004634 (phosphopyruvate hydratase)
Q6PLH8	
Q6PTT0	
Q6PY95	
Q6Q0C0	GO:0004842 (ubiquitin-protein ligase)
Q6Q796	
Q6RFY3	
Q6RFY4	
Q6SJP5	
Q6TGX5	GO:0004842 (ubiquitin-protein ligase)
Q6TW99	
Q6TXD0	
Q6U5H3	
Q6UB35	
Q6URB0	
Q6URW6	GO:0030898 (actin-dependent ATPase)
Q6VNB8	GO:0003831 (beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase)
Q6WAU0	
Q6WNR0	
Q6XBF8	GO:0004190 (aspartic-type endopeptidase)
Q6XPZ9	
Q6XQN6	GO:0004516 (nicotinate phosphoribosyltransferase)
Q6XZ79	
Q6YP15	
Q6Z744	
Q6ZFH6	
Q6ZHS4	GO:0045551 (cinnamyl-alcohol dehydrogenase)
Q6ZIX2	
Q70G33	
Q71SH3	
Q724I0	GO:0016887 (ATPase)
Q75PR2	
Q764C1	
Q76FR9	
Q76FS5	GO:0050347 (trans-octaprenyltranstransferase)
Q76KF5	
Q78J03	GO:0000318 (protein-methionine-R-oxide reductase)

Q7FRX8	
Q7JYV7	GO:0004017 (adenylate kinase)
Q7KF27	
Q7KLV9	GO:0004175 (endopeptidase)
Q7KVA1	GO:0030158 (protein xylosyltransferase)
Q7KZN9	GO:0004129 (cytochrome-c oxidase)
Q7LFX5	GO:0050659 (N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase)
Q7SXX1	GO:0004372 (glycine hydroxymethyltransferase)
Q7X4G4	
Q7X9A9	
Q7X9J0	
Q7X9V3	GO:0008080 (N-acetyltransferase)
Q7XA48	
Q7XB08	
Q7XJ65	
Q7XJ98	GO:0016757 (transferase activity, transferring glycosyl groups)
Q7XJR6	
Q7XZQ6	
Q7XZQ7	
Q7Y051	
Q7Y0K5	
Q7YUC7	
Q7Z2E3	GO:0033699 (DNA 5'-adenosine monophosphate hydrolase)
Q7Z419	GO:0004842 (ubiquitin-protein ligase)
Q804C3	GO:0004738 (pyruvate dehydrogenase)
Q80W94	GO:0016407 (acetyltransferase)
Q80YN4	GO:0004252 (serine-type endopeptidase)
Q810L3	GO:0004842 (ubiquitin-protein ligase)
Q83066	
Q840T2	
Q84CU3	
Q84FG5	
Q84JH7	GO:0051266 (sirohychlorin ferrochelatase)
Q84JN3	GO:0003899 (DNA-directed RNA polymerase)
Q84JU4	GO:0033549 (MAP kinase phosphatase)
Q84JX2	
Q84KJ5	GO:0003913 (DNA photolyase)
Q84LE3	
Q84LM4	
Q84MA2	GO:0046030 (inositol trisphosphate phosphatase)
Q84P23	GO:0004321 (fatty-acyl-CoA synthase)
Q84U27	
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	
Q84YG6	
Q84ZT8	
Q852S9	
Q852T2	
Q86RB1	
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)
Q86VZ5	GO:0047493 (ceramide cholinephosphotransferase)
Q8BFW6	GO:0017111 (nucleoside-triphosphatase)
Q8BGJ0	GO:0016409 (palmitoyltransferase)
Q8BGM2	GO:0004349 (glutamate 5-kinase)
Q8BPD3	GO:0004601 (peroxidase)
Q8BSK8	GO:0004672 (protein kinase)
Q8BTY5	GO:0008233 (peptidase)
Q8BYI6	GO:0047192 (1-alkylglycerophosphocholine O-acetyltransferase)
Q8BYK4	
Q8C285	GO:0004722 (protein serine/threonine phosphatase)
Q8C7N7	GO:0004175 (endopeptidase)
Q8CDB8	GO:0004175 (endopeptidase)
Q8CGB9	
Q8CJB9	GO:0004842 (ubiquitin-protein ligase)
Q8CJE3	GO:0030898 (actin-dependent ATPase)
Q8FBC0	
Q8FFP9	
Q8GAV9	
Q8GR61	
Q8GSN8	
Q8GTB6	
Q8GTR4	GO:0010303 (limit dextrinase)
Q8GUQ8	GO:0004854 (xanthine dehydrogenase)
Q8GV30	
Q8GVE8	GO:0008964 (phosphoenolpyruvate carboxylase)
Q8GW31	GO:0050072 (m7G(5')pppN diphosphatase)
Q8GWA1	GO:0003954 (NADH dehydrogenase)
Q8GWP5	GO:0008835 (diaminohydroxyphosphoribosylaminopyrimidine deaminase)
Q8GWT4	GO:0008276 (protein methyltransferase)
Q8GXC1	GO:0004067 (asparaginase)
Q8GXR5	GO:0004632 (phosphopantothenate--cysteine ligase)
Q8GXX3	GO:0016682 (oxidoreductase activity, acting on diphenols and related substances as donors, oxygen as acceptor)
Q8GY89	GO:0016667 (oxidoreductase activity, acting on sulfur group of donors)
Q8GZ86	
Q8GZS9	
Q8H0L8	
Q8H0P5	

Q8H0P6	
Q8H0W1	GO:0008233 (peptidase)
Q8H136	GO:0016887 (ATPase)
Q8H183	GO:0003837 (beta-ureidopropionase)
Q8H1H6	
Q8H1H7	
Q8H943	
Q8IR20	GO:0004305 (ethanolamine kinase)
Q8IRD3	GO:0004601 (peroxidase)
Q8IRW8	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q8IUH5	GO:0019706 (protein-cysteine S-palmitoleyltransferase)
Q8JHE0	GO:0004672 (protein kinase)
Q8K0L2	GO:0017111 (nucleoside-triphosphatase)
Q8K2U2	GO:0010302 (2-oxoglutarate-dependent dioxygenase)
Q8K3A2	GO:0008665 (2'-phosphotransferase)
Q8K4Q7	
Q8KT44	
Q8KTI8	
Q8KU07	
Q8L3C9	
Q8L3U4	GO:0008967 (phosphoglycolate phosphatase)
Q8L5E1	
Q8L5J1	
Q8L5Y9	GO:0004594 (pantothenate kinase)
Q8L799	GO:0050113 (inositol oxygenase)
Q8L7F9	GO:0010488 (UDP-galactose:N-glycan beta-1,3-galactosyltransferase)
Q8L9T7	GO:0009927 (histidine phosphotransfer kinase)
Q8LAD0	GO:0004359 (glutaminase)
Q8LAS8	GO:0018738 (S-formylglutathione hydrolase)
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)
Q8LDS2	GO:0016762 (xyloglucan:xyloglucosyl transferase)
Q8LDU4	GO:0051743 (red chlorophyll catabolite reductase)
Q8LE52	GO:0045174 (glutathione dehydrogenase (ascorbate))
Q8LK04	
Q8LKS7	
Q8LLD7	
Q8LPQ4	GO:0046429 (4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase)
Q8LSZ3	
Q8MPM5	
Q8MPP3	GO:0004222 (metalloendopeptidase)
Q8MSU3	GO:0000293 (ferric-chelate reductase)
Q8N5B7	GO:0050291 (sphingosine N-acyltransferase)
Q8PX97	
Q8R431	GO:0016787 (hydrolase)
Q8R4T7	GO:0004721 (phosphoprotein phosphatase)
Q8R516	GO:0004842 (ubiquitin-protein ligase)

Q8R7L0	
Q8RR74	
Q8RU27	
Q8RUW5	GO:0016754 (sinapoylglucose-malate O-sinapoyltransferase)
Q8RUX2	
Q8RVK9	
Q8RW99	
Q8RWE8	GO:0010475 (galactose-1-phosphate guanylyltransferase (GDP))
Q8RWF1	GO:0030267 (glyoxylate reductase (NADP))
Q8RWM1	GO:0004161 (dimethylallyltranstransferase)
Q8RWN0	GO:0016929 (SUMO-specific protease)
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)
Q8RXD6	GO:0004842 (ubiquitin-protein ligase)
Q8RXU4	GO:0004793 (threonine aldolase)
Q8RXV3	GO:0004722 (protein serine/threonine phosphatase)
Q8S313	
Q8S4F6	GO:0046510 (UDP-sulfoquinovose:DAG sulfoquinovosyltransferase)
Q8S4R4	
Q8S564	
Q8S5C2	
Q8S8F9	GO:0008936 (nicotinamidase)
Q8S944	GO:0003924 (GTPase)
Q8S945	
Q8S948	GO:0050347 (trans-octaprenyltranstransferase)
Q8TON8	
Q8TD30	
Q8VDC3	GO:0003994 (aconitate hydratase)
Q8VDP3	GO:0004497 (monooxygenase)
Q8VWG5	
Q8VWG7	GO:0016671 (oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor)
Q8VWJ1	GO:0010176 (homogentisate phytyltransferase)
Q8VYF5	GO:0050126 (N-carbamoylputrescine amidase)
Q8VYI3	GO:0080023 (3R-hydroxyacyl-CoA dehydratase)
Q8VYI4	GO:0004073 (aspartate-semialdehyde dehydrogenase)
Q8VYJ1	GO:0008756 (o-succinylbenzoate-CoA ligase)
Q8VYU3	
Q8VZ17	GO:0008168 (methyltransferase)
Q8VZB2	GO:0004300 (enoyl-CoA hydratase)
Q8VZB8	GO:0004515 (nicotinate-nucleotide adenyltransferase)
Q8VZC3	GO:0003842 (1-pyrroline-5-carboxylate dehydrogenase)
Q8VZF1	GO:0003987 (acetate-CoA ligase)
Q8VZH2	GO:0004177 (aminopeptidase)
Q8W012	
Q8W040	GO:0004326 (tetrahydrofolylpolyglutamate synthase)

Q8W1A0	
Q8W1L6	GO:0018812 (3-hydroxyacyl-CoA dehydratase)
Q8W1S1	GO:0046481 (digalactosyldiacylglycerol synthase)
Q8W1X2	GO:0008478 (pyridoxal kinase)
Q8W2B8	GO:0009001 (serine O-acetyltransferase)
Q8W2K4	
Q8W3L1	
Q8W468	GO:0004842 (ubiquitin-protein ligase)
Q8W471	GO:0008922 (long-chain-fatty-acid-[acyl-carrier-protein] ligase)
Q8W4K6	GO:0003924 (GTPase)
Q8W4N3	GO:0004843 (ubiquitin-specific protease)
Q8W4P1	GO:0016301 (kinase)
Q8W4Q5	GO:0004842 (ubiquitin-protein ligase)
Q8W595	GO:0018024 (histone-lysine N-methyltransferase)
Q8W5A1	
Q8W5A2	
Q8W5S1	GO:0004672 (protein kinase)
Q8X1V7	
Q8YC53	
Q91W40	GO:0008808 (cardiolipin synthase)
Q91XK7	GO:0004842 (ubiquitin-protein ligase)
Q91YR1	GO:0004713 (protein tyrosine kinase)
Q91Z96	GO:0004672 (protein kinase)
Q920P0	
Q920R6	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q921S5	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q92355	GO:0043141 (ATP-dependent 5'-3' DNA helicase)
Q923V8	GO:0008379 (thioredoxin peroxidase)
Q92466	GO:0004842 (ubiquitin-protein ligase)
Q924N5	GO:0004467 (long-chain-fatty-acid-CoA ligase)
Q924Z4	GO:0050291 (sphingosine N-acyltransferase)
Q92521	GO:0000030 (mannosyltransferase)
Q92630	GO:0004713 (protein tyrosine kinase)
Q92793	GO:0016407 (acetyltransferase)
Q92900	GO:0004004 (ATP-dependent RNA helicase)
Q93009	GO:0004843 (ubiquitin-specific protease)
Q936S7	
Q93KB8	
Q93RE3	
Q93V58	GO:0016301 (kinase)
Q93V61	
Q93V78	
Q93VR3	GO:0047918 (GDP-mannose 3,5-epimerase)
Q93X45	
Q93X46	
Q93X74	
Q93XG4	

Q93XJ2	
Q93YP7	GO:0047293 (4-hydroxybenzoate nonaprenyltransferase)
Q93Z33	GO:0003924 (GTPase)
Q93Z53	GO:0004743 (pyruvate kinase)
Q93ZN9	GO:0010285 (L,L-diaminopimelate aminotransferase)
Q93ZW0	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q93ZY3	
Q940H6	GO:0016301 (kinase)
Q940M2	GO:0008453 (alanine-glyoxylate transaminase)
Q941L0	GO:0016759 (cellulose synthase)
Q944I4	GO:0008887 (glycerate kinase)
Q948R1	GO:0008970 (phospholipase A1)
Q948S7	
Q949Q0	GO:0004367 (glycerol-3-phosphate dehydrogenase (NAD+))
Q949X0	GO:0009979 (16:0 monogalactosyldiacylglycerol desaturase)
Q949X3	GO:0004400 (histidinol-phosphate transaminase)
Q949X7	GO:0008836 (diaminopimelate decarboxylase)
Q949Y5	GO:0004222 (metalloendopeptidase)
Q94A41	GO:0004556 (alpha-amylase)
Q94AA4	GO:0003872 (6-phosphofructokinase)
Q94AG2	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q94AH8	GO:0004805 (trehalose-phosphatase)
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)
Q94F30	GO:0016929 (SUMO-specific protease)
Q94F47	GO:0004842 (ubiquitin-protein ligase)
Q94FM7	
Q94FS5	
Q94FS6	
Q94FY7	GO:0009976 (tocopherol cyclase)
Q94GA0	
Q94IB8	GO:0004758 (serine C-palmitoyltransferase)
Q94ID7	
Q94IG7	GO:0004729 (protoporphyrinogen oxidase)
Q94JS4	
Q94K43	GO:0004499 (flavin-containing monooxygenase)
Q95AJ2	
Q95TI4	GO:0004842 (ubiquitin-protein ligase)
Q95V75	
Q95VY4	
Q96242	GO:0016836 (hydro-lyase)
Q96266	GO:0004364 (glutathione transferase)
Q96287	
Q96329	GO:0003997 (acyl-CoA oxidase)
Q96330	GO:0045431 (flavonol synthase)

Q963A7	
Q96533	GO:0080007 (S-nitrosoglutathione reductase)
Q96551	
Q969G3	GO:0008080 (N-acetyltransferase)
Q969V5	GO:0004842 (ubiquitin-protein ligase)
Q96EG1	GO:0004168 (dolichol kinase)
Q96EQ9	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q96FM1	GO:0016788 (hydrolase activity, acting on ester bonds)
Q96PM5	
Q96Q15	GO:0004674 (protein serine/threonine kinase)
Q96Q89	GO:0016887 (ATPase)
Q99973	GO:0003720 (telomerase)
Q99KB8	GO:0004416 (hydroxyacylglutathione hydrolase)
Q99LB2	GO:0001758 (retinal dehydrogenase)
Q99LX0	GO:0051920 (peroxiredoxin)
Q99M04	GO:0017140 (lipoic acid synthase)
Q99MD6	GO:0004791 (thioredoxin-disulfide reductase)
Q99PI5	GO:0008195 (phosphatidate phosphatase)
Q9AR73	
Q9AR92	
Q9ATG8	
Q9AV98	
Q9AXK7	
Q9BMX8	
Q9BRQ8	GO:0004174 (electron-transferring-flavoprotein dehydrogenase)
Q9BT22	
Q9BTU6	GO:0004430 (1-phosphatidylinositol 4-kinase)
Q9BU89	GO:0019135 (deoxyhypusine monooxygenase)
Q9BV10	
Q9BV79	GO:0019166 (trans-2-enoyl-CoA reductase (NADPH))
Q9BVA0	GO:0008568 (microtubule-severing ATPase)
Q9BZC7	GO:0016887 (ATPase)
Q9BZE4	GO:0003924 (GTPase)
Q9C0Y5	GO:0043492 (ATPase activity, coupled to movement of substances)
Q9C5G5	GO:0043812 (phosphatidylinositol-4-phosphate phosphatase)
Q9C5I1	GO:0047350 (glucuronate-1-phosphate uridylyltransferase)
Q9C5J7	GO:0003872 (6-phosphofructokinase)
Q9C5L2	GO:0004143 (diacylglycerol kinase)
Q9C5R8	GO:0051920 (peroxiredoxin)
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)
Q9C5Y2	GO:0051777 (ent-kaurenoate oxidase)
Q9C6L5	GO:0009922 (fatty acid elongase)
Q9C7G1	GO:0004842 (ubiquitin-protein ligase)
Q9C7R6	GO:0004842 (ubiquitin-protein ligase)
Q9C867	GO:0016301 (kinase)

Q9C8G9	GO:0008559 (xenobiotic-transporting ATPase)
Q9C907	
Q9C958	GO:0016301 (kinase)
Q9C9D0	
Q9C9G4	GO:0043765 (T/G mismatch-specific endonuclease)
Q9C9S4	GO:0004805 (trehalose-phosphatase)
Q9CA40	GO:0019177 (dihydroneopterin triphosphate pyrophosphohydrolase)
Q9CA67	GO:0045550 (geranylgeranyl reductase)
Q9CAD6	GO:0008393 (fatty acid (omega-1)-hydroxylase)
Q9CAF5	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
Q9CAN1	GO:0004252 (serine-type endopeptidase)
Q9CAV6	GO:0004672 (protein kinase)
Q9CB01	GO:0003924 (GTPase)
Q9CPY7	GO:0008233 (peptidase)
Q9CQD1	GO:0003924 (GTPase)
Q9CXZ1	GO:0008137 (NADH dehydrogenase (ubiquinone))
Q9CYR6	GO:0004614 (phosphoglucomutase)
Q9CZL5	GO:0004505 (phenylalanine 4-monooxygenase)
Q9D358	GO:0016791 (phosphatase)
Q9D593	GO:0008553 (hydrogen-exporting ATPase activity, phosphorylative mechanism)
Q9D6Z0	GO:0010302 (2-oxoglutarate-dependent dioxygenase)
Q9D892	GO:0047429 (nucleoside-triphosphate diphosphatase)
Q9DB28	GO:0004526 (ribonuclease P)
Q9DGH5	GO:0042083 (5,10-methylenetetrahydrofolate-dependent methyltransferase)
Q9EPB1	GO:0008239 (dipeptidyl-peptidase)
Q9EPL5	GO:0008233 (peptidase)
Q9EQV9	GO:0004180 (carboxypeptidase)
Q9ER34	GO:0003994 (aconitate hydratase)
Q9ERI6	
Q9EV64	
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)
Q9FGF2	GO:0047412 (N-(long-chain-acyl)ethanolamine deacylase)
Q9FGS4	GO:0008987 (quinolinate synthetase A)
Q9FGX1	GO:0003878 (ATP citrate synthase)
Q9FGY9	GO:0000224 (peptide-N4-(N-acetyl-beta-glucosaminy)asparagine amidase)
Q9FH02	GO:0016887 (ATPase)
Q9FHR8	GO:0051750 (delta3,5-delta2,4-dienoyl-CoA isomerase)
Q9FHT5	GO:0047196 (long-chain-alcohol O-fatty-acyltransferase)
Q9FI56	GO:0004176 (ATP-dependent peptidase)
Q9FI78	GO:0047205 (quinate O-hydroxycinnamoyltransferase)

Q9FIE8	GO:0048040 (UDP-glucuronate decarboxylase)
Q9FJ79	GO:0003917 (DNA topoisomerase type I)
Q9FJI5	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q9FJM5	GO:0004049 (anthranilate synthase)
Q9FJV0	GO:0004708 (MAP kinase kinase)
Q9FK51	GO:0017103 (UTP:galactose-1-phosphate uridylyltransferase)
Q9FKS0	GO:0004849 (uridine kinase)
Q9FKW6	GO:0003959 (NADPH dehydrogenase)
Q9FL28	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q9FLN0	GO:0016298 (lipase)
Q9FLW2	GO:0000293 (ferric-chelate reductase)
Q9FMX0	GO:0004784 (superoxide dismutase)
Q9FMX7	GO:0008936 (nicotinamidase)
Q9FN05	GO:0015926 (glucosidase)
Q9FNA9	
Q9FNY7	GO:0008534 (oxidized purine base lesion DNA N-glycosylase)
Q9FPE3	GO:0004392 (heme oxygenase (decyclizing))
Q9FPH3	GO:0004793 (threonine aldolase)
Q9FPR3	GO:0016301 (kinase)
Q9FPS9	GO:0004843 (ubiquitin-specific protease)
Q9FQ03	GO:0004534 (5'-3' exoribonuclease)
Q9FQ11	
Q9FRS2	GO:0004793 (threonine aldolase)
Q9FRT2	
Q9FSD6	
Q9FSW1	
Q9FT54	GO:0004406 (H3/H4 histone acetyltransferase)
Q9FT68	GO:0008408 (3'-5' exonuclease)
Q9FT83	
Q9FUB7	GO:0016210 (naringenin-chalcone synthase)
Q9FUC2	
Q9FV53	GO:0042586 (peptide deformylase)
Q9FX32	GO:0016157 (sucrose synthase)
Q9FX43	GO:0004708 (MAP kinase kinase)
Q9FY48	GO:0004842 (ubiquitin-protein ligase)
Q9FY99	GO:0004345 (glucose-6-phosphate dehydrogenase)
Q9FYA6	GO:0004084 (branched-chain-amino-acid transaminase)
Q9FYB3	GO:0004672 (protein kinase)
Q9FYC2	GO:0032441 (pheophorbide a oxygenase)
Q9FZ48	GO:0004842 (ubiquitin-protein ligase)
Q9FZH5	GO:0004476 (mannose-6-phosphate isomerase)
Q9GU37	
Q9H0N0	GO:0003924 (GTPase)
Q9H553	GO:0000033 (alpha-1,3-mannosyltransferase)
Q9H9B1	GO:0018024 (histone-lysine N-methyltransferase)
Q9HAN9	GO:0000309 (nicotinamide-nucleotide adenylyltransferase)
Q9HB23	GO:0004824 (lysine-tRNA ligase)
Q9HBH5	
Q9HH09	

Q9IA93	
Q9JI93	GO:0008378 (galactosyltransferase)
Q9JIM4	GO:0004721 (phosphoprotein phosphatase)
Q9JKB1	
Q9JKS8	GO:0004035 (alkaline phosphatase)
Q9JLZ3	GO:0004300 (enoyl-CoA hydratase)
Q9JMF7	GO:0047874 (dolichyldiphosphatase)
Q9KJG6	
Q9LCZ4	
Q9LD47	GO:0004784 (superoxide dismutase)
Q9LD80	
Q9LDC0	GO:0003755 (peptidyl-prolyl cis-trans isomerase)
Q9LDD8	GO:0004485 (methylcrotonoyl-CoA carboxylase)
Q9LDI3	GO:0004672 (protein kinase)
Q9LDM2	GO:0000175 (3'-5'-exoribonuclease)
Q9LDR4	GO:0050613 (delta14-sterol reductase)
Q9LEH3	GO:0004601 (peroxidase)
Q9LEJ0	
Q9LEW8	GO:0016301 (kinase)
Q9LF10	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9LFA2	GO:0004672 (protein kinase)
Q9LFF9	GO:0004427 (inorganic diphosphatase)
Q9LFG2	GO:0008837 (diaminopimelate epimerase)
Q9LFJ8	GO:0047213 (anthocyanidin 3-O-glucosyltransferase)
Q9LFR0	GO:0004559 (alpha-mannosidase)
Q9LHN8	GO:0051213 (dioxygenase)
Q9LIK0	GO:0004743 (pyruvate kinase)
Q9LIS3	
Q9LJB4	GO:0050736 (O-malonyltransferase)
Q9LJL3	GO:0004222 (metalloendopeptidase)
Q9LJZ5	GO:0004842 (ubiquitin-protein ligase)
Q9LK64	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
Q9LKF8	
Q9LKH8	
Q9LKJ1	GO:0003860 (3-hydroxyisobutyryl-CoA hydrolase)
Q9LKJ4	GO:0004021 (alanine transaminase)
Q9LL84	GO:0003910 (DNA ligase (ATP))
Q9LMT2	
Q9LN71	GO:0004842 (ubiquitin-protein ligase)
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)
Q9LR78	GO:0004722 (protein serine/threonine phosphatase)
Q9LRB0	GO:0017050 (D-erythro-sphingosine kinase)
Q9LRR9	GO:0008891 (glycolate oxidase)
Q9LRZ5	

Q9LS14	GO:0004842 (ubiquitin-protein ligase)
Q9LSA6	GO:0004842 (ubiquitin-protein ligase)
Q9LSP7	GO:0004842 (ubiquitin-protein ligase)
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)
Q9LT02	GO:0019829 (cation-transporting ATPase)
Q9LTQ0	GO:0004525 (ribonuclease III)
Q9LTX3	GO:0004733 (pyridoxamine-phosphate oxidase)
Q9LU10	GO:0008233 (peptidase)
Q9LU41	GO:0005388 (calcium-transporting ATPase)
Q9LU67	GO:0004609 (phosphatidylserine decarboxylase)
Q9LUF3	GO:0019948 (SUMO activating enzyme)
Q9LV03	GO:0016040 (glutamate synthase (NADH))
Q9LVE3	GO:0019199 (transmembrane receptor protein kinase)
Q9LW56	GO:0046577 (long-chain-alcohol oxidase)
Q9LX33	GO:0008318 (protein prenyltransferase)
Q9LX93	GO:0004842 (ubiquitin-protein ligase)
Q9LY74	GO:0051741 (2-methyl-6-phytyl-1,4-benzoquinone methyltransferase)
Q9LY87	GO:0004842 (ubiquitin-protein ligase)
Q9LZ66	GO:0016002 (sulfite reductase)
Q9LZI2	GO:0048040 (UDP-glucuronate decarboxylase)
Q9LZL3	GO:0008233 (peptidase)
Q9LZR3	GO:0051753 (mannan synthase)
Q9LZV4	GO:0004672 (protein kinase)
Q9M071	GO:0080019 (fatty acyl-CoA reductase (alcohol-forming))
Q9M099	GO:0004185 (serine-type carboxypeptidase)
Q9M0B6	GO:0050378 (UDP-glucuronate 4-epimerase)
Q9M0F9	GO:0003872 (6-phosphofructokinase)
Q9M156	GO:0035251 (UDP-glucosyltransferase)
Q9M1K2	GO:0016308 (1-phosphatidylinositol-4-phosphate 5-kinase)
Q9M1W4	GO:0008898 (homocysteine S-methyltransferase)
Q9M209	GO:0000175 (3'-5'-exoribonuclease)
Q9M2E2	GO:0047504 ((-)-menthol dehydrogenase)
Q9M2S6	GO:0004842 (ubiquitin-protein ligase)
Q9M2U2	GO:0019166 (trans-2-enoyl-CoA reductase (NADPH))
Q9M3D8	GO:0004675 (transmembrane receptor protein serine/threonine kinase)
Q9M3H5	GO:0016887 (ATPase)
Q9M3W5	
Q9M4S1	
Q9M571	
Q9M591	GO:0048529 (magnesium-protoporphyrin IX monomethyl ester (oxidative) cyclase)
Q9M7I7	GO:0047746 (chlorophyllase)
Q9M7L9	
Q9M7Z1	GO:0016407 (acetyltransferase)
Q9M884	GO:0004476 (mannose-6-phosphate isomerase)
Q9M8K7	GO:0033549 (MAP kinase phosphatase)

Q9M8L0	
Q9M8S8	GO:0010347 (L-galactose-1-phosphate phosphatase)
Q9M8Y0	GO:0016757 (transferase activity, transferring glycosyl groups)
Q9M9F5	GO:0045549 (9-cis-epoxycarotenoid dioxygenase)
Q9M9Y8	GO:0046608 (carotenoid isomerase)
Q9MA43	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q9MAT5	GO:0035242 (protein-arginine omega-N asymmetric methyltransferase)
Q9MBA1	GO:0010277 (chlorophyllide a oxygenase)
Q9N0E7	GO:0008265 (Mo-molybdopterin cofactor sulfurase)
Q9NDA1	
Q9NDA2	
Q9NDA3	
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)
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))
Q9P289	GO:0004672 (protein kinase)
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)
Q9QY36	GO:0008080 (N-acetyltransferase)
Q9QYF1	
Q9R0X4	GO:0016291 (acyl-CoA thioesterase)
Q9R0Y5	GO:0004017 (adenylate kinase)
Q9RAE4	
Q9RAT0	
Q9RFQ7	
Q9RHA2	
Q9S713	GO:0004672 (protein kinase)
Q9S7E9	
Q9S7H4	GO:0004106 (chorismate mutase)
Q9S7N5	
Q9S7U9	GO:0004708 (MAP kinase kinase)
Q9S7Z3	GO:0016756 (glutathione gamma-glutamylcysteinyltransferase)
Q9S816	GO:0004629 (phospholipase C)
Q9S818	GO:0045486 (naringenin 3-dioxygenase)
Q9SA18	GO:0004412 (homoserine dehydrogenase)
Q9SA34	GO:0003938 (IMP dehydrogenase)

Q9SA96	GO:0047769 (arogenate dehydratase)
Q9SAA1	GO:0045547 (dehydrodolichyl diphosphate synthase)
Q9SAA5	GO:0009011 (starch synthase)
Q9SBA5	GO:0004428 (inositol or phosphatidylinositol kinase)
Q9SBJ1	GO:0009927 (histidine phosphotransfer kinase)
Q9SC14	
Q9SCL7	GO:0003991 (acetylglutamate kinase)
Q9SCX8	GO:0016791 (phosphatase)
Q9SCY0	GO:0004614 (phosphoglucomutase)
Q9SD85	GO:0016711 (flavonoid 3'-monooxygenase)
Q9SDS7	GO:0046961 (hydrogen ion transporting ATPase activity, rotational mechanism)
Q9SDY5	GO:0019787 (small conjugating protein ligase)
Q9SE42	
Q9SE83	
Q9SEI2	GO:0016887 (ATPase)
Q9SEI3	GO:0016887 (ATPase)
Q9SEL8	
Q9SEX2	
Q9SGD6	GO:0047769 (arogenate dehydratase)
Q9SGH6	GO:0016165 (lipoxygenase)
Q9SGY2	GO:0003878 (ATP citrate synthase)
Q9SHH8	GO:0004364 (glutathione transferase)
Q9SHI7	GO:0004842 (ubiquitin-protein ligase)
Q9SI64	
Q9SJ44	GO:0004842 (ubiquitin-protein ligase)
Q9SJA7	GO:0008115 (sarcosine oxidase)
Q9SJF3	GO:0050072 (m7G(5')pppN diphosphatase)
Q9SJH7	GO:0004108 (citrate (Si)-synthase)
Q9SJT1	GO:0019948 (SUMO activating enzyme)
Q9SK82	
Q9SKB7	
Q9SKE2	GO:0003824 (catalytic)
Q9SKH7	GO:0016407 (acetyltransferase)
Q9SKU8	GO:0004746 (riboflavin synthase)
Q9SL05	GO:0009055 (electron carrier)
Q9SL79	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9SLA8	GO:0016631 (enoyl-[acyl-carrier-protein] reductase)
Q9SLC3	GO:0004842 (ubiquitin-protein ligase)
Q9SLD2	GO:0004144 (diacylglycerol O-acyltransferase)
Q9SM08	GO:0031176 (endo-1,4-beta-xylanase)
Q9SMB7	
Q9SMC1	
Q9SMG6	
Q9SMU8	GO:0004601 (peroxidase)
Q9SMW0	GO:0016161 (beta-amylase)
Q9SMZ4	GO:0047130 (saccharopine dehydrogenase (NADP+, L-lysine-forming))
Q9SN27	GO:0004842 (ubiquitin-protein ligase)
Q9SN58	GO:0003978 (UDP-glucose 4-epimerase)

Q9SNC6	GO:0004842 (ubiquitin-protein ligase)
Q9SP05	
Q9SP19	
Q9SP20	
Q9SPD6	GO:0004784 (superoxide dismutase)
Q9SPM5	GO:0016887 (ATPase)
Q9SQI3	
Q9SQI8	GO:0004742 (dihydrolipoyllysine-residue acetyltransferase)
Q9SQJ1	
Q9SR37	GO:0008422 (beta-glucosidase)
Q9SR43	GO:0050619 (phytochromobilin:ferredoxin oxidoreductase)
Q9SR52	GO:0009039 (urease)
Q9SRQ2	GO:0010327 (acetyl CoA:(Z)-3-hexen-1-ol acetyltransferase)
Q9SRQ7	GO:0004629 (phospholipase C)
Q9SRS9	GO:0004842 (ubiquitin-protein ligase)
Q9SS01	GO:0018858 (benzoate-CoA ligase)
Q9SS48	GO:0004368 (glycerol-3-phosphate dehydrogenase)
Q9SSB5	GO:0016887 (ATPase)
Q9SSE7	GO:0047769 (arogenate dehydratase)
Q9SSV1	
Q9ST03	
Q9STG9	GO:0004044 (amidophosphoribosyltransferase)
Q9SU38	
Q9SU56	GO:0016633 (galactonolactone dehydrogenase)
Q9SU94	GO:0016274 (protein-arginine N-methyltransferase)
Q9SUM3	GO:0003958 (NADPH-hemoprotein reductase)
Q9SVC6	GO:0004842 (ubiquitin-protein ligase)
Q9SVP6	GO:0010283 (pinorexinol reductase)
Q9SW18	GO:0046406 (magnesium protoporphyrin IX methyltransferase)
Q9S XK4	
Q9SXP7	GO:0017118 (lipoyltransferase)
Q9SY73	GO:0016616 (oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor)
Q9SYM4	GO:0003825 (alpha,alpha-trehalose-phosphate synthase (UDP-forming))
Q9SYQ8	
Q9SYT0	GO:0004601 (peroxidase)
Q9SZ30	GO:0000107 (imidazoleglycerol-phosphate synthase)
Q9SZC9	
Q9SZD4	GO:0016887 (ATPase)
Q9SZZ8	GO:0010291 (carotene beta-ring hydroxylase)
Q9T0A7	GO:0003978 (UDP-glucose 4-epimerase)
Q9TV77	
Q9U022	
Q9U794	
Q9UBQ7	GO:0030267 (glyoxylate reductase (NADP))
Q9UGM6	
Q9UIC8	GO:0003880 (C-terminal protein carboxyl methyltransferase)
Q9UJ70	
Q9UJ83	GO:0016830 (carbon-carbon lyase)

Q9UMS4	GO:0004842 (ubiquitin-protein ligase)
Q9UPT9	GO:0010485 (H4 histone acetyltransferase)
Q9UR05	
Q9US25	GO:0008094 (DNA-dependent ATPase)
Q9UT49	GO:0004652 (polynucleotide adenyltransferase)
Q9UT74	GO:0004409 (homoaconitate hydratase)
Q9UTN3	GO:0004652 (polynucleotide adenyltransferase)
Q9V345	GO:0019781 (NEDD8 activating enzyme)
Q9V3H2	GO:0004175 (endopeptidase)
Q9V3P6	GO:0004175 (endopeptidase)
Q9V3Z4	GO:0004175 (endopeptidase)
Q9V405	GO:0004175 (endopeptidase)
Q9V429	GO:0015036 (disulfide oxidoreductase)
Q9V436	GO:0004175 (endopeptidase)
Q9V4S8	GO:0019781 (NEDD8 activating enzyme)
Q9V6G5	GO:0032577 (phosphatidylcholine:cardiolipin O-linoleoyltransferase)
Q9V8P9	GO:0004842 (ubiquitin-protein ligase)
Q9VBI2	GO:0009041 (uridylate kinase)
Q9VCY3	GO:0019781 (NEDD8 activating enzyme)
Q9VH19	GO:0008233 (peptidase)
Q9VJN9	GO:0004175 (endopeptidase)
Q9VMJ7	GO:0032453 (histone demethylase activity (H3-K4 specific))
Q9VMW9	GO:0008446 (GDP-mannose 4,6-dehydratase)
Q9VPQ7	GO:0042500 (aspartic endopeptidase activity, intramembrane cleaving)
Q9VPT8	GO:0004521 (endoribonuclease)
Q9VQ61	GO:0004069 (aspartate transaminase)
Q9VUX9	GO:0008233 (peptidase)
Q9VVU5	GO:0019781 (NEDD8 activating enzyme)
Q9VW54	GO:0004175 (endopeptidase)
Q9VZQ8	GO:0004601 (peroxidase)
Q9W1X8	GO:0050577 (GDP-L-fucose synthase)
Q9W261	GO:0042800 (histone lysine N-methyltransferase activity (H3-K4 specific))
Q9W3H4	GO:0004090 (carbonyl reductase (NADPH))
Q9W3Z3	GO:0008453 (alanine-glyoxylate transaminase)
Q9W5E1	GO:0004842 (ubiquitin-protein ligase)
Q9WTV7	GO:0004842 (ubiquitin-protein ligase)
Q9WZ49	
Q9X0Y1	
Q9XFS9	GO:0030604 (1-deoxy-D-xylulose-5-phosphate reductoisomerase)
Q9XGM8	GO:0016757 (transferase activity, transferring glycosyl groups)
Q9XHE8	
Q9XIA9	GO:0004467 (long-chain-fatty-acid-CoA ligase)
Q9XIL5	GO:0031202 (RNA splicing factor activity, transesterification mechanism)
Q9Y230	GO:0016887 (ATPase)
Q9Y259	
Q9Y265	GO:0016887 (ATPase)
Q9Y285	
Q9Y3B8	GO:0008408 (3'-5' exonuclease)
Q9Y4K3	GO:0004842 (ubiquitin-protein ligase)

Q9Y4P1	GO:0008234 (cysteine-type peptidase)
Q9Y5Z0	GO:0004190 (aspartic-type endopeptidase)
Q9Y6E7	GO:0003950 (NAD+ ADP-ribosyltransferase)
Q9Y725	
Q9Y751	
Q9Z172	GO:0019789 (SUMO ligase)
Q9Z2V5	GO:0004407 (histone deacetylase)
Q9ZNV9	GO:0009927 (histidine phosphotransfer kinase)
Q9ZP06	GO:0016615 (malate dehydrogenase)
Q9ZP23	
Q9ZPI5	GO:0004300 (enoyl-CoA hydratase)
Q9ZPN0	
Q9ZPQ3	GO:0051499 (D-aminoacyl-tRNA deacylase)
Q9ZPV8	GO:0004595 (pantetheine-phosphate adenylyltransferase)
Q9ZQ31	GO:0004713 (protein tyrosine kinase)
Q9ZQ94	GO:0046527 (glucosyltransferase)
Q9ZQC6	GO:0042285 (xylosyltransferase)
Q9ZQH0	GO:0004140 (dephospho-CoA kinase)
Q9ZQN5	GO:0016301 (kinase)
Q9ZS21	
Q9ZS50	
Q9ZS97	GO:0042626 (ATPase activity, coupled to transmembrane movement of substances)
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 cytidylyltransferase)
Q9ZW86	GO:0004656 (procollagen-proline 4-dioxygenase)
Q9ZWB3	GO:0004712 (protein serine/threonine/tyrosine kinase)
Q9ZWQ9	
Q9ZWT1	GO:0017140 (lipoic acid synthase)