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The genome of black cottonwood, *Populus trichocarpa*  
(Torr. & Gray)

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1909	Generation and analysis of expressed sequence tags from six developing xylem libraries in <i>Pinus radiata</i> D. Don. <b>2009</b> , 10, 41	63
1908	Deep sequencing of <i>Brachypodium</i> small RNAs at the global genome level identifies microRNAs involved in cold stress response. <b>2009</b> , 10, 449	257
1907	Comparative SNP diversity among four <i>Eucalyptus</i> species for genes from secondary metabolite biosynthetic pathways. <b>2009</b> , 10, 452	71
1906	Comparative analysis of plant genomes allows the definition of the "Phytolongins": a novel non-SNARE longin domain protein family. <b>2009</b> , 10, 510	23
1905	Development and bin mapping of a Rosaceae Conserved Ortholog Set (COS) of markers. <b>2009</b> , 10, 562	58
1904	Genome-wide profiling of populus small RNAs. <b>2009</b> , 10, 620	86
1903	Synteny of <i>Prunus</i> and other model plant species. <b>2009</b> , 10, 76	44
1902	Targeted isolation, sequence assembly and characterization of two white spruce ( <i>Picea glauca</i> ) BAC clones for terpenoid synthase and cytochrome P450 genes involved in conifer defence reveal insights into a conifer genome. <b>2009</b> , 9, 106	53
1901	Identification of flowering genes in strawberry, a perennial SD plant. <b>2009</b> , 9, 122	50
1900	Genome scale transcriptome analysis of shoot organogenesis in <i>Populus</i> . <b>2009</b> , 9, 132	38
1899	Genome-wide analysis of major intrinsic proteins in the tree plant <i>Populus trichocarpa</i> : characterization of XIP subfamily of aquaporins from evolutionary perspective. <b>2009</b> , 9, 134	202
1898	Characterization of microsatellites and gene contents from genome shotgun sequences of mungbean ( <i>Vigna radiata</i> (L.) Wilczek). <b>2009</b> , 9, 137	110
1897	Glycosylation-mediated phenylpropanoid partitioning in <i>Populus tremuloides</i> cell cultures. <b>2009</b> , 9, 151	14



1896	Microcollinearity in an ethylene receptor coding gene region of the <i>Coffea canephora</i> genome is extensively conserved with <i>Vitis vinifera</i> and other distant dicotyledonous sequenced genomes. <b>2009</b> , 9, 22	20
1895	Five QTL hotspots for yield in short rotation coppice bioenergy poplar: the Poplar Biomass Loci. <b>2009</b> , 9, 23	60
1894	The cinnamyl alcohol dehydrogenase gene family in <i>Populus</i> : phylogeny, organization, and expression. <b>2009</b> , 9, 26	106
1893	A new genomic resource dedicated to wood formation in <i>Eucalyptus</i> . <b>2009</b> , 9, 36	50
1892	Phylogenetic analysis and molecular evolution of the dormancy associated MADS-box genes from peach. <b>2009</b> , 9, 81	67
1891	The cellulose synthase superfamily in fully sequenced plants and algae. <b>2009</b> , 9, 99	110
1890	Gene duplication, transfer, and evolution in the chloroplast genome. <b>2009</b> , 27, 340-7	39
1889	Incidence of <i>Venturia</i> shoot blight in aspen ( <i>Populus tremuloides</i> Michx.) varies with tree chemistry and genotype. <b>2009</b> , 37, 139-145	41
1888	Structure-function relationships in telomerase genes. <b>2009</b> , 101, 375-92, 1 p following 392	41
1887	Water channel proteins (later called aquaporins) and relatives: past, present, and future. <b>2009</b> , 61, 112-33	100
1886	The impact of atmospheric composition on plants: a case study of ozone and poplar. <b>2009</b> , 28, 495-516	56
1885	Pretreatment of hybrid poplar by aqueous ammonia. <b>2009</b> , 25, 357-64	50
1884	Characterization of a deep-coverage carrot ( <i>Daucus carota</i> L.) BAC library and initial analysis of BAC-end sequences. <b>2009</b> , 281, 273-88	40
1883	Patterns of tandem repetition in plant whole genome assemblies. <b>2009</b> , 281, 579-90	10
1882	Genome-wide analysis of <i>Carica papaya</i> reveals a small NBS resistance gene family. <b>2009</b> , 281, 609-26	115
1881	Functional analysis of 5' untranslated region of a TIR-NBS-encoding gene from triploid white poplar. <b>2009</b> , 282, 381-94	15
1880	Cloning and validation of novel miRNA from basmati rice indicates cross talk between abiotic and biotic stresses. <b>2009</b> , 282, 463-74	63
1879	Functional genomics using RIKEN <i>Arabidopsis thaliana</i> full-length cDNAs. <b>2009</b> , 122, 355-66	20

1878	A database for poplar gene co-expression analysis for systematic understanding of biological processes, including stress responses. <b>2009</b> , 55, 395-400	15
1877	Identification of single nucleotide polymorphisms in different <i>Populus</i> species. <b>2009</b> , 23, 1199-1212	14
1876	Molecular cloning and in silico analysis of potential <i>Fusarium</i> resistance genes in banana. <b>2009</b> , 23, 431-443	10
1875	Gene and genome duplications: the impact of dosage-sensitivity on the fate of nuclear genes. <b>2009</b> , 17, 699-717	275
1874	BAHD superfamily of acyl-CoA dependent acyltransferases in <i>Populus</i> and <i>Arabidopsis</i> : bioinformatics and gene expression. <b>2009</b> , 70, 421-42	70
1873	Deletion of an organellar peptidosome PreP affects early development in <i>Arabidopsis thaliana</i> . <b>2009</b> , 71, 497-508	29
1872	The rhizosphere zoo: An overview of plant-associated communities of microorganisms, including phages, bacteria, archaea, and fungi, and of some of their structuring factors. <b>2009</b> , 321, 189-212	323
1871	Patterns of DNA sequence variation at candidate gene loci in black poplar ( <i>Populus nigra</i> L.) as revealed by single nucleotide polymorphisms. <b>2009</b> , 137, 141-50	30
1870	The COBRA gene family in <i>Populus</i> and gene expression in vegetative organs and in response to hormones and environmental stresses. <b>2009</b> , 58, 211-223	13
1869	Identification of the flavin-dependent monooxygenase-encoding YUCCA gene family in <i>Populus trichocarpa</i> and their expression in vegetative tissues and in response to hormone and environmental stresses. <b>2009</b> , 97, 271-283	22
1868	Micropropagation of <i>Populus trichocarpa</i> [Misqually-1] the genotype deriving the <i>Populus</i> reference genome. <b>2009</b> , 99, 251-257	22
1867	Genomic regions involved in productivity of two interspecific poplar families in Europe. 1. Stem height, circumference and volume. <b>2009</b> , 5, 147-164	30
1866	Genetic linkage mapping in aspen ( <i>Populus tremula</i> L. and <i>Populus tremuloides</i> Michx.). <b>2009</b> , 5, 505-515	77
1865	Detection of quantitative trait loci influencing growth trajectories of adventitious roots in <i>Populus</i> using functional mapping. <b>2009</b> , 5, 539-552	39
1864	A Bioinformatic Analysis of NAC Genes for Plant Cell Wall Development in Relation to Lignocellulosic Bioenergy Production. <b>2009</b> , 2, 217-232	106
1863	Short-rotation woody crops for bioenergy and biofuels applications. <b>2009</b> , 45, 619-629	136
1862	De Novo Next Generation Sequencing of Plant Genomes. <b>2009</b> , 2, 35-43	50
1861	A survey of flowering genes reveals the role of gibberellins in floral control in rose. <b>2009</b> , 119, 767-81	54

1860	WUS and STM-based reporter genes for studying meristem development in poplar. <b>2009</b> , 28, 947-62	11
1859	MicroRNA expression profiles in conventional and micropropagated strawberry ( <i>Fragaria x ananassa</i> Duch.) plants. <b>2009</b> , 28, 891-902	34
1858	Isolation of DNA-methyltransferase genes from strawberry ( <i>Fragaria x ananassa</i> Duch.) and their expression in relation to micropropagation. <b>2009</b> , 28, 1373-84	12
1857	Inventory and comparative evolution of the ABC superfamily in the genomes of <i>Phytophthora ramorum</i> and <i>Phytophthora sojae</i> . <b>2009</b> , 68, 563-75	10
1856	New proteins orthologous to cerato-platanin in various <i>Ceratocystis</i> species and the purification and characterization of cerato-populin from <i>Ceratocystis populicola</i> . <b>2009</b> , 84, 309-22	24
1855	Shotgun proteome profile of <i>Populus</i> developing xylem. <b>2009</b> , 9, 4871-80	31
1854	Leaf proteome analysis of eight <i>Populus xeuramericana</i> genotypes: genetic variation in drought response and in water-use efficiency involves photosynthesis-related proteins. <b>2009</b> , 9, 4121-42	54
1853	Regulation of isoprene emission from poplar leaves throughout a day. <b>2009</b> , 32, 939-47	60
1852	Drought tolerance of two black poplar ( <i>Populus nigra</i> L.) clones: contribution of carbohydrates and oxidative stress defence. <b>2009</b> , 32, 1724-36	117
1851	Enhanced assimilation rate and water use efficiency with latitude through increased photosynthetic capacity and internal conductance in balsam poplar ( <i>Populus balsamifera</i> L.). <b>2009</b> , 32, 1821-32	120
1850	Haplotype divergence in <i>Beta vulgaris</i> and microsynteny with sequenced plant genomes. <b>2009</b> , 57, 14-26	18
1849	A unique program for cell death in xylem fibers of <i>Populus</i> stem. <b>2009</b> , 58, 260-74	119
1848	Identification of an active LTR retrotransposon in rice. <b>2009</b> , 58, 754-65	48
1847	A microarray-based genotyping and genetic mapping approach for highly heterozygous outcrossing species enables localization of a large fraction of the unassembled <i>Populus trichocarpa</i> genome sequence. <b>2009</b> , 58, 1054-67	29
1846	Stress-induced changes in the <i>Arabidopsis thaliana</i> transcriptome analyzed using whole-genome tiling arrays. <b>2009</b> , 58, 1068-82	249
1845	Analyses of GA20ox- and GID1-over-expressing aspen suggest that gibberellins play two distinct roles in wood formation. <b>2009</b> , 58, 989-1003	117
1844	Rising concentrations of atmospheric CO <sub>2</sub> have increased growth in natural stands of quaking aspen ( <i>Populus tremuloides</i> ). <b>2009</b> , 16, 2186-2197	71
1843	Extensive pollen flow in two ecologically contrasting populations of <i>Populus trichocarpa</i> . <b>2009</b> , 18, 357-73	59

1842	Reticulate evolution on a mosaic of soils: diversification of the New Caledonian endemic genus <i>Codia</i> (Cunoniaceae). <b>2009</b> , 18, 2263-75	43
1841	Genotype and time of day shape the <i>Populus</i> drought response. <b>2009</b> , 60, 703-15	109
1840	Strangled at birth? Forest biotech and the Convention on Biological Diversity. <b>2009</b> , 27, 519-27	48
1839	The genome of the cucumber, <i>Cucumis sativus</i> L. <b>2009</b> , 41, 1275-81	1031
1838	Cryptic species, gene recombination and hybridization in the genus <i>Spiraeanthemum</i> (Cunoniaceae) from New Caledonia. <b>2009</b> , 161, 137-152	35
1837	Poplar volatiles - biosynthesis, regulation and (eco)physiology of isoprene and stress-induced isoprenoids. <b>2010</b> , 12, 302-16	51
1836	Salinity tolerance of <i>Populus</i> . <b>2010</b> , 12, 317-33	166
1835	Isolation and analysis of resistance gene homologues in sweetpotato. <b>2009</b> , 129, 519	2
1834	The alternative oxidase family of <i>Vitis vinifera</i> reveals an attractive model to study the importance of genomic design. <b>2009</b> , 137, 553-65	29
1833	Microsatellite primer resource for <i>Populus</i> developed from the mapped sequence scaffolds of the Nisqually-1 genome. <b>2009</b> , 181, 498-503	30
1832	Modular gene expression in Poplar: a multilayer network approach. <b>2009</b> , 181, 315-322	18
1831	Molecular phylogeny and expression of poplar circadian clock genes, LHY1 and LHY2. <b>2009</b> , 181, 808-819	55
1830	The pentatricopeptide repeat (PPR) gene family, a tremendous resource for plant phylogenetic studies. <b>2009</b> , 182, 272-283	39
1829	Uptake of organic nitrogen by plants. <b>2009</b> , 182, 31-48	747
1828	Nucleotide diversity among natural populations of a North American poplar ( <i>Populus balsamifera</i> , Salicaceae). <b>2009</b> , 182, 763-773	20
1827	Quantitative genetic analysis of biomass and wood chemistry of <i>Populus</i> under different nitrogen levels. <b>2009</b> , 182, 878-890	127
1826	The <i>Populus</i> Genome Integrative Explorer (PopGenIE): a new resource for exploring the <i>Populus</i> genome. <b>2009</b> , 182, 1013-1025	171
1825	Transcriptomic comparison in the leaves of two aspen genotypes having similar carbon assimilation rates but different partitioning patterns under elevated [CO <sub>2</sub> ]. <b>2009</b> , 182, 891-911	47

1824	Markers and mapping revisited: finding your gene. <b>2009</b> , 183, 935-966	103
1823	Selective histories of poplar protease inhibitors: elevated polymorphism, purifying selection, and positive selection driving divergence of recent duplicates. <b>2009</b> , 183, 740-750	27
1822	Expression profiling and functional analysis of Populus WRKY23 reveals a regulatory role in defense. <b>2009</b> , 184, 48-70	67
1821	Poplar defense against insects: genome analysis, full-length cDNA cloning, and transcriptome and protein analysis of the poplar Kunitz-type protease inhibitor family. <b>2009</b> , 184, 865-84	35
1820	Tracking the evolutionary history of polyploidy in <i>Fragaria L.</i> (strawberry): new insights from phylogenetic analyses of low-copy nuclear genes. <b>2009</b> , 51, 515-30	137
1819	Two poplar methyl salicylate esterases display comparable biochemical properties but divergent expression patterns. <b>2009</b> , 70, 32-9	32
1818	Genetic variation and drought response in two <i>Populus x euramericana</i> genotypes through 2-DE proteomic analysis of leaves from field and glasshouse cultivated plants. <b>2009</b> , 70, 988-1002	38
1817	Disulphide proteomes and interactions with thioredoxin on the track towards understanding redox regulation in chloroplasts and cyanobacteria. <b>2009</b> , 72, 416-38	65
1816	Plant proteomics update (2007-2008): Second-generation proteomic techniques, an appropriate experimental design, and data analysis to fulfill MIAPE standards, increase plant proteome coverage and expand biological knowledge. <b>2009</b> , 72, 285-314	174
1815	Solutions for dissolution--engineering cell walls for deconstruction. <b>2009</b> , 20, 286-94	62
1814	Functional genomics for plant natural product biosynthesis. <b>2009</b> , 26, 1466-87	104
1813	Cytogenetic analysis of <i>Populus trichocarpa</i> --ribosomal DNA, telomere repeat sequence, and marker-selected BACs. <b>2009</b> , 125, 74-80	22
1812	Specific features of T-DNA insertion regions in transgenic plants. <b>2009</b> , 45, 1289-1301	2
1811	Integrated analysis of transcript, protein and metabolite data to study lignin biosynthesis in hybrid aspen. <b>2009</b> , 8, 199-210	49
1810	The Carbohydrate-Active EnZymes database (CAZy): an expert resource for Glycogenomics. <b>2009</b> , 37, D233-8	3914
1809	"Changing by doubling", the impact of Whole Genome Duplications in the evolution of eukaryotes. <b>2009</b> , 332, 241-53	43
1808	Identification of plant genes involved on the initial contact between ectomycorrhizal symbionts ( <i>Castanea sativa</i> [European chestnut and <i>Pisolithus tinctorius</i> ). <b>2009</b> , 45, 275-282	19
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1805	An update on the nomenclature for the cellulose synthase genes in <i>Populus</i> . <b>2009</b> , 14, 248-54	100
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1803	NB-LRRs work a "bait and switch" on pathogens. <b>2009</b> , 14, 521-9	215
1802	The flowering world: a tale of duplications. <b>2009</b> , 14, 680-8	232
1801	Genome-wide analysis of the putative AP2/ERF family genes in <i>Vitis vinifera</i> . <b>2009</b> , 123, 73-81	76
1800	Comparative analyses of distributions and functions of Z-DNA in <i>Arabidopsis</i> and rice. <b>2009</b> , 93, 383-91	4
1799	Genome-wide identification of lineage-specific genes in <i>Arabidopsis</i> , <i>Oryza</i> and <i>Populus</i> . <b>2009</b> , 93, 473-80	43
1798	Cloning and molecular analyses of the <i>Arabidopsis thaliana</i> chloride channel gene family. <b>2009</b> , 176, 650-661	56
1797	A novel method for induction of plant regeneration via somatic embryogenesis. <b>2009</b> , 177, 43-48	62
1796	Vitamin E biosynthesis genes in rice: Molecular characterization, expression profiling and comparative phylogenetic analysis. <b>2009</b> , 177, 479-491	32
1795	Identification of a new nucleopolyhedrovirus from naturally-infected <i>Condylorrhiza vestigialis</i> (Guenè) (Lepidoptera: Crambidae) larvae on poplar plantations in South Brazil. <b>2009</b> , 102, 149-54	12
1794	Wheat and Barley Genome Sequencing. <b>2009</b> , 713-742	9
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1792	The Uredinales: Cytology, Biochemistry, and Molecular Biology. <b>2009</b> , 69-98	19
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1787	Poplar and Pathogen Interactions: Insights from Populus Genome-Wide Analyses of Resistance and Defense Gene Families and Gene Expression Profiling. <b>2009</b> , 28, 309-334	81
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1784	Poplar and its Bacterial Endophytes: Coexistence and Harmony. <b>2009</b> , 28, 346-358	83
1783	The Ectomycorrhizal Symbiosis: a Marriage of Convenience. <b>2009</b> , 237-257	8
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1780	Comparative Genomics in Legumes. <b>2009</b> , 29-44	
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1778	Genome survey and characterization of endophytic bacteria exhibiting a beneficial effect on growth and development of poplar trees. <b>2009</b> , 75, 748-57	437
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1775	Genomics of Secondary Metabolism in Populus: Interactions with Biotic and Abiotic Environments. <b>2009</b> , 28, 375-392	88
1774	What has natural variation taught us about plant development, physiology, and adaptation?. <b>2009</b> , 21, 1877-96	346
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1771	Poplar Genomics: State of the Science. <b>2009</b> , 28, 285-308	37

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1769	The role of hybridization in plant speciation. <b>2009</b> , 60, 561-88	861
1768	An Introduction to Peach ( <i>Prunus persica</i> ). <b>2009</b> , 223-234	9
1767	Rosaceous Genome Sequencing: Perspectives and Progress. <b>2009</b> , 601-615	11
1766	The origin and spread of eukaryotic photosynthesis: evolving views in light of genomics. <b>2009</b> , 52,	7
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1761	Biochemistry and Molecular Biology of Natural Rubber. <b>2009</b> , 82, 424-429	4
1760	Transcriptome profiling in hybrid poplar following interactions with <i>Melampsora</i> rust fungi. <b>2009</b> , 22, 190-200	68
1759	Studying Root Development Using a Genomic Approach. 325-351	2
1758	When Plants Socialize: Symbioses and Root Development. 209-238	5
1757	Comparative analyses of plant transcription factor databases. <b>2009</b> , 10, 10-7	19
1756	Advances in genetical genomics of plants. <b>2009</b> , 10, 540-9	41
1755	Early effects of water deficit on two parental clones of <i>Populus nigra</i> grown under different environmental conditions. <b>2010</b> , 37, 244	43
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1753	SSR and SNP Markers for the Identification of Clones, Hybrids and Species Within the Genus <i>Populus</i> . <b>2010</b> , 59, 257-263	14



1752	Plant fibers: Initiation, growth, model plants, and open questions. <b>2010</b> , 57, 305-315	25
1751	DNA methylation and histone acetylation: genotypic variations in hybrid poplars, impact of water deficit and relationships with productivity. <b>2010</b> , 67, 208-208	48
1750	Molecular characterization of FLOWERING LOCUS T-like genes of apple ( <i>Malus x domestica</i> Borkh.). <b>2010</b> , 51, 561-75	189
1749	Mechanisms underlying beneficial plant-fungus interactions in mycorrhizal symbiosis. <b>2010</b> , 1, 48	678
1748	Major energy plants and their potential for bioenergy development in China. <b>2010</b> , 46, 579-89	51
1747	Genome-wide analysis of plant metal transporters, with an emphasis on poplar. <b>2010</b> , 67, 3763-84	93
1746	Analysis of transposons and repeat composition of the sunflower ( <i>Helianthus annuus</i> L.) genome. <b>2010</b> , 120, 491-508	41
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1744	Shaker-like potassium channels in <i>Populus</i> , regulated by the CBL-CIPK signal transduction pathway, increase tolerance to low-K <sup>+</sup> stress. <b>2010</b> , 29, 1007-12	22
1743	Cytokinin Primes Plant Responses to Wounding and Reduces Insect Performance. <b>2010</b> , 29, 289-296	50
1742	Structure and vascular tissue expression of duplicated TERMINAL EAR1-like paralogues in poplar. <b>2010</b> , 231, 525-35	7
1741	The SUMO conjugation pathway in <i>Populus</i> : genomic analysis, tissue-specific and inducible SUMOylation and in vitro de-SUMOylation. <b>2010</b> , 232, 51-9	15
1740	Characterization of NAC domain transcription factors implicated in control of vascular cell differentiation in <i>Arabidopsis</i> and <i>Populus</i> . <b>2010</b> , 232, 337-52	69
1739	Patterns of molecular evolution and predicted function in thaumatin-like proteins of <i>Populus trichocarpa</i> . <b>2010</b> , 232, 949-62	18
1738	Specific down-regulation of PAL genes by artificial microRNAs in <i>Populus trichocarpa</i> . <b>2010</b> , 232, 1281-8	45
1737	Carotenoid biosynthesis genes in rice: structural analysis, genome-wide expression profiling and phylogenetic analysis. <b>2010</b> , 283, 13-33	41
1736	RNase T2 genes from rice and the evolution of secretory ribonucleases in plants. <b>2010</b> , 283, 381-96	66
1735	Comparative sequence analyses indicate that <i>Coffea</i> (Asterids) and <i>Vitis</i> (Rosids) derive from the same paleo-hexaploid ancestral genome. <b>2010</b> , 283, 493-501	34

1734	The actin multigene family in <i>Populus</i> : organization, expression and phylogenetic analysis. <b>2010</b> , 284, 105-19	48
1733	Mammalian cytochrome CYP2E1 triggered differential gene regulation in response to trichloroethylene (TCE) in a transgenic poplar. <b>2010</b> , 10, 417-24	11
1732	Pathogenesis-related genes and proteins in forest tree species. <b>2010</b> , 24, 993-1006	41
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1729	Intron loss mediated structural dynamics and functional differentiation of the polygalacturonase gene family in land plants. <b>2010</b> , 32, 570-577	22
1728	Bioinformatics-Based Identification of Candidate Genes from QTLs Associated with Cell Wall Traits in <i>Populus</i> . <b>2010</b> , 3, 172-182	21
1727	Dihaploid Stocks of Switchgrass Isolated by a Screening Approach. <b>2010</b> , 3, 305-313	25
1726	Biosynthesis of phenolic glycosides from phenylpropanoid and benzenoid precursors in populus. <b>2010</b> , 36, 286-97	49
1725	Leaf structural modifications in <i>Populus euramericana</i> subjected to Zn excess. <b>2010</b> , 54, 502-508	17
1724	Utilization of next-generation sequencing platforms in plant genomics and genetic variant discovery. <b>2010</b> , 25, 553-570	105
1723	Elimination of marker genes and targeted integration via FLP/FRT recombination system from yeast in hybrid aspen ( <i>Populus tremula</i> L. $\times$ <i>P. tremuloides</i> Michx.). <b>2010</b> , 6, 205-217	33
1722	Clonal fingerprinting in the genus <i>Populus</i> L. by nuclear microsatellite loci regarding differences between sections, species and hybrids. <b>2010</b> , 6, 259-269	34
1721	Phylogeography of <i>Populus alba</i> (L.) and <i>Populus tremula</i> (L.) in Central Europe: secondary contact and hybridisation during recolonisation from disconnected refugia. <b>2010</b> , 6, 439-450	43
1720	Development, characterization, segregation, and mapping of microsatellite markers for European hazelnut ( <i>Corylus avellana</i> L.) from enriched genomic libraries and usefulness in genetic diversity studies. <b>2010</b> , 6, 513-531	61
1719	Genomic regions involved in productivity of two interspecific poplar families in Europe. 2. Biomass production and its relationships with tree architecture and phenology. <b>2010</b> , 6, 533-554	12
1718	Genetic linkage maps of <i>Populus alba</i> L. and comparative mapping analysis of sex determination across <i>Populus</i> species. <b>2010</b> , 6, 863-875	73
1717	Seasonal and cell type specific expression of sulfate transporters in the phloem of <i>Populus</i> reveals tree specific characteristics for SO <sub>4</sub> (2-) storage and mobilization. <b>2010</b> , 72, 499-517	29

1716	A clade in the QUASIMODO2 family evolved with vascular plants and supports a role for cell wall composition in adaptation to environmental changes. <b>2010</b> , 73, 605-15	9
1715	Genetic structure and regulation of isoprene synthase in Poplar ( <i>Populus</i> spp.). <b>2010</b> , 73, 547-58	38
1714	The woody plant poplar has a functionally conserved salt overly sensitive pathway in response to salinity stress. <b>2010</b> , 74, 367-80	96
1713	Identification of NBS-Type Resistance Gene Homologs in Tobacco Genome. <b>2010</b> , 28, 152-161	11
1712	Stress in trees, the poplar model. Introduction. <b>2010</b> , 104, 1-3	
1711	China-U.S. workshop on biotechnology of bioenergy plants. <b>2010</b> , 19, 1-3	3
1710	Perspectives for genetic engineering of poplars for enhanced phytoremediation abilities. <b>2010</b> , 19, 1574-88	86
1709	A genetic linkage map of <i>Populus adenopoda</i> Maxim. <i>P. alba</i> L. hybrid based on SSR and SRAP markers. <b>2010</b> , 173, 193-205	18
1708	Genomic screening in dioecious "yerba mate" tree ( <i>Ilex paraguariensis</i> A. St. Hill., Aquifoliaceae) through representational difference analysis. <b>2010</b> , 138, 567-78	10
1707	Mapping genes for plant structure, development and evolution: functional mapping meets ontology. <b>2010</b> , 26, 39-46	34
1706	Phylogenetic footprint of the plant clock system in angiosperms: evolutionary processes of pseudo-response regulators. <b>2010</b> , 10, 126	55
1705	Genes encoding hub and bottleneck enzymes of the <i>Arabidopsis</i> metabolic network preferentially retain homeologs through whole genome duplication. <b>2010</b> , 10, 145	20
1704	Comparative genomics reveals conservative evolution of the xylem transcriptome in vascular plants. <b>2010</b> , 10, 190	33
1703	Comparative analyses reveal distinct sets of lineage-specific genes within <i>Arabidopsis thaliana</i> . <b>2010</b> , 10, 41	50
1702	Evolution of plant RNA polymerase IV/V genes: evidence of subneofunctionalization of duplicated NRPD2/NRPE2-like paralogs in <i>Viola</i> (Violaceae). <b>2010</b> , 10, 45	19
1701	Identification of shared single copy nuclear genes in <i>Arabidopsis</i> , <i>Populus</i> , <i>Vitis</i> and <i>Oryza</i> and their phylogenetic utility across various taxonomic levels. <b>2010</b> , 10, 61	236
1700	High-density linkage mapping and evolution of paralogs and orthologs in <i>Salix</i> and <i>Populus</i> . <b>2010</b> , 11, 129	70
1699	Genome-wide transcriptome analysis of the transition from primary to secondary stem development in <i>Populus trichocarpa</i> . <b>2010</b> , 11, 150	94

1698	The RST and PARP-like domain containing SRO protein family: analysis of protein structure, function and conservation in land plants. <b>2010</b> , 11, 170	73
1697	Physical mapping in highly heterozygous genomes: a physical contig map of the Pinot Noir grapevine cultivar. <b>2010</b> , 11, 204	15
1696	Microcollinearity between autopolyploid sugarcane and diploid sorghum genomes. <b>2010</b> , 11, 261	118
1695	The collapse of gene complement following whole genome duplication. <b>2010</b> , 11, 313	92
1694	The <i>Pinus taeda</i> genome is characterized by diverse and highly diverged repetitive sequences. <b>2010</b> , 11, 420	115
1693	Comparative analysis of secreted protein evolution using expressed sequence tags from four poplar leaf rusts ( <i>Melampsora</i> spp.). <b>2010</b> , 11, 422	55
1692	Expansion and subfunctionalisation of flavonoid 3',5'-hydroxylases in the grapevine lineage. <b>2010</b> , 11, 562	76
1691	Genome-wide characterization of simple sequence repeats in cucumber ( <i>Cucumis sativus</i> L.). <b>2010</b> , 11, 569	251
1690	A fast and cost-effective approach to develop and map EST-SSR markers: oak as a case study. <b>2010</b> , 11, 570	106
1689	Annotation and comparative analysis of the glycoside hydrolase genes in <i>Brachypodium distachyon</i> . <b>2010</b> , 11, 600	41
1688	Conserved and variable correlated mutations in the plant MADS protein network. <b>2010</b> , 11, 607	2
1687	Comparative transcriptomics of drought responses in <i>Populus</i> : a meta-analysis of genome-wide expression profiling in mature leaves and root apices across two genotypes. <b>2010</b> , 11, 630	153
1686	De novo assembled expressed gene catalog of a fast-growing <i>Eucalyptus</i> tree produced by Illumina mRNA-Seq. <b>2010</b> , 11, 681	137
1685	Specific patterns of gene space organisation revealed in wheat by using the combination of barley and wheat genomic resources. <b>2010</b> , 11, 714	21
1684	Genomic and transcriptomic analysis of the AP2/ERF superfamily in <i>Vitis vinifera</i> . <b>2010</b> , 11, 719	209
1683	Homeolog loss and expression changes in natural populations of the recently and repeatedly formed allotetraploid <i>Tragopogon mirus</i> (Asteraceae). <b>2010</b> , 11, 97	68
1682	The Protein Disulfide Isomerase gene family in bread wheat ( <i>T. aestivum</i> L.). <b>2010</b> , 10, 101	51
1681	Laser microdissection of conifer stem tissues: isolation and analysis of high quality RNA, terpene synthase enzyme activity and terpenoid metabolites from resin ducts and cambial zone tissue of white spruce ( <i>Picea glauca</i> ). <b>2010</b> , 10, 106	70

1680	Genome-wide and molecular evolution analyses of the phospholipase D gene family in Poplar and Grape. <b>2010</b> , 10, 117	41
1679	Comprehensive analysis of NAC domain transcription factor gene family in <i>Populus trichocarpa</i> . <b>2010</b> , 10, 145	298
1678	Pathway analysis of the transcriptome and metabolome of salt sensitive and tolerant poplar species reveals evolutionary adaptation of stress tolerance mechanisms. <b>2010</b> , 10, 150	113
1677	The aconitate hydratase family from Citrus. <b>2010</b> , 10, 222	47
1676	Functional annotation, genome organization and phylogeny of the grapevine ( <i>Vitis vinifera</i> ) terpene synthase gene family based on genome assembly, FLcDNA cloning, and enzyme assays. <b>2010</b> , 10, 226	274
1675	Genome-wide investigation reveals high evolutionary rates in annual model plants. <b>2010</b> , 10, 242	36
1674	Genomic evolution and complexity of the Anaphase-promoting Complex (APC) in land plants. <b>2010</b> , 10, 254	21
1673	Functional divergence of the NIP III subgroup proteins involved altered selective constraints and positive selection. <b>2010</b> , 10, 256	18
1672	Gene family structure, expression and functional analysis of HD-Zip III genes in angiosperm and gymnosperm forest trees. <b>2010</b> , 10, 273	34
1671	A full-length enriched cDNA library and expressed sequence tag analysis of the parasitic weed, <i>Striga hermonthica</i> . <b>2010</b> , 10, 55	31
1670	Dating and functional characterization of duplicated genes in the apple ( <i>Malus domestica</i> Borkh.) by analyzing EST data. <b>2010</b> , 10, 87	19
1669	Comparative genomic sequence analysis of strawberry and other rosids reveals significant microsynteny. <b>2010</b> , 3, 168	9
1668	Biomass energy and the environmental impacts associated with its production and utilization. <b>2010</b> , 14, 919-937	357
1667	Model organisms--A historical perspective. <b>2010</b> , 73, 2054-63	53
1666	Proteomic approaches to study plant-pathogen interactions. <b>2010</b> , 71, 351-62	74
1665	Isolation and characterization of osmotic stress-induced genes in poplar cells by suppression subtractive hybridization and cDNA microarray analysis. <b>2010</b> , 48, 136-41	18
1664	A polyhedral approach for understanding flavonoid biosynthesis in <i>Arabidopsis</i> . <b>2010</b> , 27, 829-36	12
1663	Woody energy crops in the southeastern United States: Two centuries of practitioner experience?. <b>2010</b> , 34, 1655-1666	67

1662	Genetic and biotechnological approaches for biofuel crop improvement. <b>2010</b> , 21, 218-24	68
1661	Experimental comparison of relative RT-qPCR quantification approaches for gene expression studies in poplar. <b>2010</b> , 11, 57	53
1660	Plant secretome: unlocking secrets of the secreted proteins. <b>2010</b> , 10, 799-827	214
1659	Proteomic analysis of temperature stress in plants. <b>2010</b> , 10, 828-45	83
1658	Characterization of the Arabidopsis thaliana exocyst complex gene families by phylogenetic, expression profiling, and subcellular localization studies. <b>2010</b> , 185, 401-19	63
1657	Induced resistance to pests and pathogens in trees. <b>2010</b> , 185, 893-908	194
1656	Nucleotide diversity and linkage disequilibrium in balsam poplar ( <i>Populus balsamifera</i> ). <b>2010</b> , 186, 526-36	63
1655	The transcriptome of <i>Populus</i> in elevated CO reveals increased anthocyanin biosynthesis during delayed autumnal senescence. <b>2010</b> , 186, 415-28	64
1654	Evolution of development of vascular cambium and secondary growth. <b>2010</b> , 186, 577-92	171
1653	Characterization of cellulose synthase complexes in <i>Populus</i> xylem differentiation. <b>2010</b> , 187, 777-90	80
1652	Transcriptome profiles of hybrid poplar ( <i>Populus trichocarpa</i> × <i>Populus deltoides</i> ) reveal rapid changes in undamaged, systemic sink leaves after simulated feeding by forest tent caterpillar ( <i>Malacosoma disstria</i> ). <b>2010</b> , 188, 787-802	39
1651	Association genetics of traits controlling lignin and cellulose biosynthesis in black cottonwood ( <i>Populus trichocarpa</i> , Salicaceae) secondary xylem. <b>2010</b> , 188, 515-32	109
1650	The evolution of water transport in plants: an integrated approach. <b>2010</b> , 8, 112-39	102
1649	Transcriptional regulation of secondary growth and wood formation. <b>2010</b> , 52, 17-27	88
1648	Cell wall lignin is polymerised by class III secreted plant peroxidases in Norway spruce. <b>2010</b> , 52, 186-94	79
1647	Dynamics of polyploid formation in <i>Tragopogon</i> (Asteraceae): recurrent formation, gene flow, and population structure. <b>2010</b> , 64, 1984-2003	74
1646	Plant nuclear proteomics--inside the cell maestro. <b>2010</b> , 277, 3295-307	20
1645	Changes in diurnal patterns within the <i>Populus</i> transcriptome and metabolome in response to photoperiod variation. <b>2010</b> , 33, 1298-313	41

1644	Differentiation of metallicolous and non-metallicolous <i>Salix caprea</i> populations based on phenotypic characteristics and nuclear microsatellite (SSR) markers. <b>2010</b> , 33, 1641-1655	25
1643	Intraspecific variation in the <i>Populus balsamifera</i> drought transcriptome. <b>2010</b> , 33, 1742-55	47
1642	<i>Arabidopsis</i> has a cytosolic fumarase required for the massive allocation of photosynthate into fumaric acid and for rapid plant growth on high nitrogen. <b>2010</b> , 62, 785-95	106
1641	Evolutionary conservation, diversity and specificity of LTR-retrotransposons in flowering plants: insights from genome-wide analysis and multi-specific comparison. <b>2010</b> , 63, 584-98	128
1640	Alternative splicing expands the repertoire of dominant JAZ repressors of jasmonate signaling. <b>2010</b> , 63, 613-22	133
1639	Repeated unidirectional introgression towards <i>Populus balsamifera</i> in contact zones of exotic and native poplars. <b>2010</b> , 19, 132-45	56
1638	Genomic diversity, population structure, and migration following rapid range expansion in the Balsam poplar, <i>Populus balsamifera</i> . <b>2010</b> , 19, 1212-26	88
1637	Back to nature: ecological genomics of loblolly pine ( <i>Pinus taeda</i> , Pinaceae). <b>2010</b> , 19, 3789-805	170
1636	Genome sequence of the palaeopolyploid soybean. <b>2010</b> , 463, 178-83	2997
1635	Draft genome sequence of the oilseed species <i>Ricinus communis</i> . <b>2010</b> , 28, 951-6	379
1634	The genome of the domesticated apple ( <i>Malus domestica</i> Borkh.). <b>2010</b> , 42, 833-9	1524
1633	Sex chromosomes and sex determination pathway dynamics in plant and animal models. <b>2010</b> , 100, 737-752	30
1632	Chalcone synthase variation and phylogenetic relationships in <i>Dactylorhiza</i> (Orchidaceae). <b>2010</b> , 163, 155-165	13
1631	Evaluation of plant biomass resources available for replacement of fossil oil. <b>2010</b> , 8, 288-93	78
1630	The role of abscisic acid and auxin in the response of poplar to abiotic stress. <b>2010</b> , 12, 242-58	112
1629	Nitrogen nutrition of poplar trees. <b>2010</b> , 12, 275-91	144
1628	The molecular physiology of poplars: paving the way for knowledge-based biomass production. <b>2010</b> , 12, 239-41	30
1627	Transcriptome changes in the cambial region of poplar ( <i>Populus alba</i> L.) in response to water deficit. <b>2010</b> , 12, 341-54	52

1626	An update on the ABC transporter family in plants: many genes, many proteins, but how many functions?. <b>2010</b> , 12 Suppl 1, 15-25	53
1625	Functional characterization of drought-responsive aquaporins in <i>Populus balsamifera</i> and <i>Populus simonii</i> clones with different drought resistance strategies. <b>2010</b> , 140, 321-33	78
1624	Analysis of global changes in gene expression during activity-dormancy cycle in hybrid aspen apex. <b>2010</b> , 27, 1-16	64
1623	. <b>2010</b> ,	28
1622	Applying small-scale DNA signatures as an aid in assembling soybean chromosome sequences. <b>2010</b> ,	
1621	Differential detection of genetic Loci underlying stem and root lignin content in <i>Populus</i> . <b>2010</b> , 5, e14021	17
1620	Caracterizaci3n gen3tica de especies de <i>Passiflora</i> por marcadores moleculares an3logos a genes de resistencia. <b>2010</b> , 32, 222-229	8
1619	Cultivos dendroenerg3ticos de h3bridos de 3lamo para la obtenci3n de biocombustibles en Chile: estado del arte. <b>2010</b> , 31,	4
1618	Nonrandom survival of gene conversions among yeast ribosomal proteins duplicated through genome doubling. <b>2010</b> , 2, 826-34	32
1617	A genomic analysis of disease-resistance genes encoding nucleotide binding sites in <i>Sorghum bicolor</i> . <b>2010</b> , 33, 292-7	37
1616	Biochemical characterization of family 43 glycosyltransferases in the <i>Populus</i> xylem: challenges and prospects. <b>2010</b> , 27, 283-288	1
1615	Creation of a genome-wide metabolic pathway database for <i>Populus trichocarpa</i> using a new approach for reconstruction and curation of metabolic pathways for plants. <b>2010</b> , 153, 1479-91	102
1614	Genome-enabled research on the ecology of plant-insect interactions. <b>2010</b> , 154, 475-8	17
1613	PtAAP11, a high affinity amino acid transporter specifically expressed in differentiating xylem cells of poplar. <b>2010</b> , 61, 1671-82	29
1612	Genetics and genomic approaches to improve grape quality for winemaking. <b>2010</b> , 316-364	4
1611	Precocious flowering in trees: the FLOWERING LOCUS T gene as a research and breeding tool in <i>Populus</i> . <b>2010</b> , 61, 2549-60	93
1610	High nitrogen fertilization and stem leaning have overlapping effects on wood formation in poplar but invoke largely distinct molecular pathways. <b>2010</b> , 30, 1273-89	41
1609	Ancient genome duplications during the evolution of kiwifruit ( <i>Actinidia</i> ) and related Ericales. <b>2010</b> , 106, 497-504	60



1608	Functional characterization of poplar wood-associated NAC domain transcription factors. <b>2010</b> , 152, 1044-55	187
1607	Bioenergy research: a new paradigm in multidisciplinary research. <b>2010</b> , 7, 1391-401	18
1606	Two <i>Medicago truncatula</i> half-ABC transporters are essential for arbuscule development in arbuscular mycorrhizal symbiosis. <b>2010</b> , 22, 1483-97	173
1605	RNA G-Quadruplexes in the model plant species <i>Arabidopsis thaliana</i> : prevalence and possible functional roles. <b>2010</b> , 38, 8149-63	69
1604	Efficient plant gene identification based on interspecies mapping of full-length cDNAs. <b>2010</b> , 17, 271-9	12
1603	Conservation, rearrangement, and deletion of gene pairs during the evolution of four grass genomes. <b>2010</b> , 17, 343-52	8
1602	The poplar MYB transcription factors, PtrMYB3 and PtrMYB20, are involved in the regulation of secondary wall biosynthesis. <b>2010</b> , 51, 1084-90	150
1601	Glutamine, arginine and the amino acid transporter Pt-CAT11 play important roles during senescence in poplar. <b>2010</b> , 105, 1159-69	32
1600	Genomics and bioinformatics resources for crop improvement. <b>2010</b> , 51, 497-523	150
1599	Strigolactone regulation of shoot branching in chrysanthemum ( <i>Dendranthema grandiflorum</i> ). <b>2010</b> , 61, 3069-78	99
1598	Cross-kingdom comparison of transcriptomic adjustments to low-oxygen stress highlights conserved and plant-specific responses. <b>2010</b> , 152, 1484-500	248
1597	Towards a systems approach for lignin biosynthesis in <i>Populus trichocarpa</i> : transcript abundance and specificity of the monolignol biosynthetic genes. <b>2010</b> , 51, 144-63	222
1596	Antisense down-regulation of 4CL expression alters lignification, tree growth, and saccharification potential of field-grown poplar. <b>2010</b> , 154, 874-86	160
1595	Transgenic perennial biofuel feedstocks and strategies for bioconfinement. <b>2010</b> , 1, 163-176	40
1594	Chapter 14:Poplar. <b>2010</b> , 275-300	4
1593	Chapter 13:Willow. <b>2010</b> , 259-274	
1592	Comparative Genomics in Crop Plants. <b>2010</b> , 23-61	5
1591	Extensive functional diversification of the <i>Populus</i> glutathione S-transferase supergene family. <b>2009</b> , 21, 3749-66	154

1590	PlantFungal Interactions in Mycorrhizas. <b>2010</b> ,	6
1589	Stepwise origin and functional diversification of the AFL subfamily B3 genes during land plant evolution. <b>2010</b> , 8 Suppl 1, 33-45	9
1588	Overexpressing a putative aquaporin gene from wheat, TaNIP, enhances salt tolerance in transgenic Arabidopsis. <b>2010</b> , 51, 767-75	148
1587	Diversification in the genetic architecture of gene expression and transcriptional networks in organ differentiation of Populus. <b>2010</b> , 107, 8492-7	54
1586	The Role of Proteomics in the Development of Cellulosic Biofuels. <b>2010</b> , 7, 121-134	5
1585	Population genetic relationships between Casearia sylvestris (Salicaceae) varieties occurring sympatrically and allopatrically in different ecosystems in south-east Brazil. <b>2010</b> , 106, 627-36	20
1584	Gopi Krishna Podila. <b>2010</b> , 5, 159-162	
1583	Natural selection on synonymous and nonsynonymous mutations shapes patterns of polymorphism in Populus tremula. <b>2010</b> , 27, 650-60	61
1582	Derepression of the plant Chromovirus LORE1 induces germline transposition in regenerated plants. <b>2010</b> , 6, e1000868	41
1581	Two-dimensional liquid chromatography technique coupled with mass spectrometry analysis to compare the proteomic response to cadmium stress in plants. <b>2010</b> , 2010, 567510	27
1580	Genomics of fungal disease resistance in tomato. <b>2010</b> , 11, 30-9	51
1579	Proteomics of plasma membranes from poplar trees reveals tissue distribution of transporters, receptors, and proteins in cell wall formation. <b>2010</b> , 9, 368-87	56
1578	Components acting downstream of short day perception regulate differential cessation of cambial activity and associated responses in early and late clones of hybrid poplar. <b>2010</b> , 154, 1294-303	29
1577	Cutting to the base: Identifying regulators of adventitious rooting. <b>2010</b> , 5, 281-3	11
1576	Of forests and time in the culture of possession. <b>2010</b> , 12, 407-417	
1575	Evolution and function of the plant cell wall synthesis-related glycosyltransferase family 8. <b>2010</b> , 153, 1729-46	87
1574	Regulatory mechanisms for specification and patterning of plant vascular tissues. <b>2010</b> , 26, 605-37	95
1573	Comparative analysis of flowering in annual and perennial plants. <b>2010</b> , 91, 323-48	90

1572	A hierarchical classification of polysaccharide lyases for glycogenomics. <b>2010</b> , 432, 437-44	218
1571	Annotating Carbohydrate-Active Enzymes in Plant Genomes: Present Challenges. <b>2010</b> , 93-107	
1570	Recent advances related to poplar leaf spot and canker caused by <i>Septoria musiva</i> . <b>2010</b> , 32, 122-134	26
1569	PlnTFDB: updated content and new features of the plant transcription factor database. <b>2010</b> , 38, D822-7	496
1568	PLAZA: a comparative genomics resource to study gene and genome evolution in plants. <b>2009</b> , 21, 3718-31	220
1567	Insights from the comparison of plant genome sequences. <b>2010</b> , 61, 349-72	161
1566	High-throughput characterization of plant gene functions by using gain-of-function technology. <b>2010</b> , 61, 373-93	36
1565	Genetic, functional and evolutionary characterization of <i>scox</i> , the <i>Drosophila melanogaster</i> ortholog of the human <i>SCO1</i> gene. <b>2010</b> , 10, 433-48	18
1564	Mathematical modeling of monolignol biosynthesis in <i>Populus</i> xylem. <b>2010</b> , 228, 78-89	22
1563	Determining photosynthetic responses of forest species to elevated [CO <sub>2</sub> ]: Alternatives to FACE. <b>2010</b> , 260, 1251-1261	16
1562	Boron in forest trees and forest ecosystems. <b>2010</b> , 260, 2053-2069	79
1561	Wood formation in Angiosperms. <b>2010</b> , 333, 325-34	85
1560	Plastid peptidoglycan. <b>2010</b> , 1800, 144-51	43
1559	Conserved CA-rich motifs in gene promoters of Pt x tMYB021-responsive secondary cell wall carbohydrate-active enzymes in <i>Populus</i> . <b>2010</b> , 394, 848-53	22
1558	Disease resistance signature of the leucine-rich repeat receptor-like kinase genes in four plant species. <b>2010</b> , 179, 399-406	28
1557	Comparison of gene order in the chromosome region containing a TERMINAL FLOWER 1 homolog in apricot and peach reveals microsynteny across angiosperms. <b>2010</b> , 179, 390-398	11
1556	High throughput DNA sequencing: The new sequencing revolution. <b>2010</b> , 179, 407-22	60
1555	Abiotic stresses and induced BVOCs. <b>2010</b> , 15, 154-66	657

1554	A triptych of the evolution of plant transposable elements. <b>2010</b> , 15, 471-8	193
1553	Palaeogenomics of plants: synteny-based modelling of extinct ancestors. <b>2010</b> , 15, 479-87	103
1552	Symbiont genomics, our new tangled bank. <b>2010</b> , 95, 129-37	30
1551	Genomic analysis and gene structure of the plant carotenoid dioxygenase 4 family: a deeper study in <i>Crocus sativus</i> and its allies. <b>2010</b> , 96, 239-50	45
1550	Evolutionary studies illuminate the structural-functional model of plant phytochromes. <b>2010</b> , 22, 4-16	86
1549	A comparative genomic analysis of plant hormone related genes in different species. <b>2010</b> , 37, 219-30	9
1548	Trees: A Remarkable Biochemical Bounty. <b>2010</b> , 1173-1296	11
1547	Nuclear DNA content in <i>Sinningia</i> (Gesneriaceae); intraspecific genome size variation and genome characterization in <i>S. speciosa</i> . <b>2010</b> , 53, 1066-82	15
1546	Genome-wide mapping of alternative splicing in <i>Arabidopsis thaliana</i> . <b>2010</b> , 20, 45-58	674
1545	Genetics and Genomics of <i>Populus</i> . <b>2010</b> ,	12
1544	Plant MicroRNAs. <b>2010</b> ,	4
1543	Advances in the Enzymology of Monoterpene Cyclization Reactions. <b>2010</b> , 585-608	5
1542	Phylogenetic detection of numerous gene duplications shared by animals, fungi and plants. <b>2010</b> , 11, R38	18
1541	Shotgun proteomic analysis of yeast-elicited California poppy ( <i>Eschscholzia californica</i> ) suspension cultures producing enhanced levels of benzophenanthridine alkaloids. <b>2010</b> , 9, 4337-45	12
1540	Salient Biological Features, Systematics, and Genetic Variation of <i>Populus</i> . <b>2010</b> , 15-38	38
1539	Genomic admixture analysis in European <i>Populus</i> spp. reveals unexpected patterns of reproductive isolation and mating. <b>2010</b> , 186, 699-712	80
1538	An interspecific plant hybrid shows novel changes in parental splice forms of genes for splicing factors. <b>2010</b> , 184, 975-83	13
1537	Gibberellins regulate lateral root formation in <i>Populus</i> through interactions with auxin and other hormones. <b>2010</b> , 22, 623-39	177

1536	A genetic basis to community repeatability and stability. <b>2010</b> , 91, 3398-406	77
1535	Glycosyltransferases of the GT8 Family. <b>2010</b> , 167-211	7
1534	PMRD: plant microRNA database. <b>2010</b> , 38, D806-13	272
1533	Genome wide analyses reveal little evidence for adaptive evolution in many plant species. <b>2010</b> , 27, 1822-32	185
1532	Effect of overexpression of radish plasma membrane aquaporins on water-use efficiency, photosynthesis and growth of Eucalyptus trees. <b>2010</b> , 30, 417-30	51
1531	Plasticity of growth and biomass production of an intraspecific <i>Populus alba</i> family grown at three sites across Europe during three growing seasons. <b>2010</b> , 40, 1887-1903	12
1530	Comparison of gene order of GIGANTEA loci in yellow-poplar, monocots, and eudicots. <b>2010</b> , 53, 533-44	6
1529	VASCULAR-RELATED NAC-DOMAIN6 and VASCULAR-RELATED NAC-DOMAIN7 effectively induce transdifferentiation into xylem vessel elements under control of an induction system. <b>2010</b> , 153, 906-14	189
1528	Genome-wide classification and evolutionary analysis of the bHLH family of transcription factors in Arabidopsis, poplar, rice, moss, and algae. <b>2010</b> , 153, 1398-412	341
1527	Characterizing the citrus cultivar Carrizo genome through 454 shotgun sequencing. <b>2011</b> , 54, 1005-15	3
1526	Genetic mapping of linkage group XIX and identification of sex-linked SSR markers in a <i>Populus tremula</i> × <i>Populus tremuloides</i> cross. <b>2011</b> , 41, 245-253	32
1525	Correlating SNP genotype with the phenotypic response to exposure to cadmium in <i>Populus</i> spp. <b>2011</b> , 45, 4497-505	19
1524	Growing Systems for Traditional and New Forest-Based Materials. <b>2011</b> , 51-83	1
1523	Date Palm Genome Project at the Kingdom of Saudi Arabia. <b>2011</b> , 427-448	5
1522	miRNA control of vegetative phase change in trees. <b>2011</b> , 7, e1002012	281
1521	The Potential of Proteomics Technologies for Crop Improvement under Drought Conditions. <b>2011</b> , 30, 471-490	24
1520	Molecular Breeding of Grapevine for Aromatic Quality and Other Traits Relevant to Viticulture. <b>2011</b> , 247-260	3
1519	Structure and expression profile of the phosphate Pht1 transporter gene family in mycorrhizal <i>Populus trichocarpa</i> . <b>2011</b> , 156, 2141-54	98

1518	The significance of single nucleotide polymorphisms (SNPs) in Eucalyptus globulus breeding programs. <b>2011</b> , 74, 23-29	23
1517	Quercus. <b>2011</b> , 89-129	32
1516	Biofuels. <b>2011</b> ,	13
1515	Short-Rotation Woody Crops for Bioenergy and Biofuels Applications. <b>2011</b> , 139-156	12
1514	Enzymatic hydrolysis of cellulosic biomass. <b>2011</b> , 2, 421-449	359
1513	Endophytes of Forest Trees. <b>2011</b> ,	28
1512	The Medicago genome provides insight into the evolution of rhizobial symbioses. <b>2011</b> , 480, 520-4	936
1511	Activity-dormancy transition in the cambial meristem involves stage-specific modulation of auxin response in hybrid aspen. <b>2011</b> , 108, 3418-23	79
1510	Thermochemical Conversion of Biomass to Biofuels. <b>2011</b> , 51-77	35
1509	A physical map for the Amborella trichopoda genome sheds light on the evolution of angiosperm genome structure. <b>2011</b> , 12, R48	24
1508	Comparative genomics and evolutionary analyses of the O-methyltransferase gene family in Populus. <b>2011</b> , 479, 37-46	26
1507	A poplar DRE-binding protein gene, PeDREB2L, is involved in regulation of defense response against abiotic stress. <b>2011</b> , 483, 36-42	21
1506	OsJAR1 and OsJAR2 are jasmonyl-L-isoleucine synthases involved in wound- and pathogen-induced jasmonic acid signalling. <b>2011</b> , 409, 634-9	61
1505	Populus Short RNAs. <b>2011</b> , 375-384	
1504	Tapping genomics to unravel ectomycorrhizal symbiosis. <b>2011</b> , 722, 249-81	8
1503	Identification of candidate genes in Arabidopsis and Populus cell wall biosynthesis using text-mining, co-expression network analysis and comparative genomics. <b>2011</b> , 181, 675-87	25
1502	Comparative analysis of GT14/GT14-like gene family in Arabidopsis, Oryza, Populus, Sorghum and Vitis. <b>2011</b> , 181, 688-95	18
1501	Comparative and phylogenomic analyses of cinnamoyl-CoA reductase and cinnamoyl-CoA-reductase-like gene family in land plants. <b>2011</b> , 181, 249-57	29

1500	Validation of <i>Melampsora larici-populina</i> reference genes for in planta RT-quantitative PCR expression profiling during time-course infection of poplar leaves. <b>2011</b> , 75, 106-112	32
1499	Crop genome sequencing: lessons and rationales. <b>2011</b> , 16, 77-88	194
1498	Agricultural biotechnology for crop improvement in a variable climate: hope or hype?. <b>2011</b> , 16, 363-71	265
1497	Transgenic <i>Populus</i> Trees for Forest Products, Bioenergy, and Functional Genomics. <b>2011</b> , 30, 415-434	40
1496	SNP discovery in black cottonwood ( <i>Populus trichocarpa</i> ) by population transcriptome resequencing. <b>2011</b> , 11 Suppl 1, 81-92	96
1495	Improved AFLP protocol using dual-suppression PCR and its application to species with large genomes. <b>2011</b> , 11, 854-61	2
1494	Abscisic acid-inducible 25 kDa xylem sap protein abundant in winter poplar. <b>2011</b> , 5, 63-68	2
1493	Challenges in polyploid phylogenetic reconstruction: A case story from the arctic-alpine <i>Cerastium alpinum</i> complex. <b>2011</b> , 60, 333-347	28
1492	The new FioreDB database provides comprehensive information on plant transcription factors and phenotypes induced by CRES-T in ornamental and model plants. <b>2011</b> , 28, 123-130	23
1491	Seasonal fluctuation of organic and inorganic components in xylem sap of <i>Populus nigra</i> . <b>2011</b> , 5, 56-62	16
1490	Simple Sequence Repeat Marker Development and Mapping Targeted to Previously Unmapped Regions of the Strawberry Genome Sequence. <b>2011</b> , 4, 165-177	27
1489	Embryo Genomics State of the Art. <b>2011</b> , 359-370	
1488	On the Coevolution of Transposable Elements and Plant Genomes. <b>2011</b> , 2011, 1-9	16
1487	Understanding Plant Cellulose Synthases through a Comprehensive Investigation of the Cellulose Synthase Family Sequences. <b>2011</b> , 2, 5	61
1486	A successful application of the embryo rescue technique as a model for studying crosses between <i>Salix viminalis</i> and <i>Populus</i> species. <b>2011</b> , 59, 382	11
1485	Gene conversion in angiosperm genomes with an emphasis on genes duplicated by polyploidization. <b>2011</b> , 2, 1-20	34
1484	Global profiling of rice and poplar transcriptomes highlights key conserved circadian-controlled pathways and cis-regulatory modules. <b>2011</b> , 6, e16907	132
1483	Genomic and resistance gene homolog diversity of the dominant tallgrass prairie species across the U.S. Great Plains precipitation gradient. <b>2011</b> , 6, e17641	20

1482	Macroevolutionary patterns in the Aphidini aphids (Hemiptera: Aphididae): diversification, host association, and biogeographic origins. <b>2011</b> , 6, e24749	46
1481	Functional diversification of thylakoidal processing peptidases in <i>Arabidopsis thaliana</i> . <b>2011</b> , 6, e27258	20
1480	High-throughput sequencing of RNA silencing-associated small RNAs in olive ( <i>Olea europaea</i> L.). <b>2011</b> , 6, e27916	42
1479	Ectomycorrhiza and Nitrogen Provision to the Host Tree. <b>2011</b> , 69-94	17
1478	Recent Progress in Development of Tnt1 Functional Genomics Platform for <i>Medicago truncatula</i> and <i>Lotus japonicus</i> in Bulgaria. <b>2011</b> , 12, 147-52	16
1477	Genome-wide distribution and organization of microsatellites in plants: an insight into marker development in <i>Brachypodium</i> . <b>2011</b> , 6, e21298	160
1476	Comparative genome mapping among <i>Populus adenopoda</i> , <i>P. alba</i> , <i>P. deltoides</i> , <i>P. euramericana</i> and <i>P. trichocarpa</i> . <b>2011</b> , 86, 257-68	10
1475	Genetic engineering of woody plants: current and future targets in a stressful environment. <b>2011</b> , 142, 105-17	42
1474	Over-expression of the triploid white poplar PtDrl01 gene in tobacco enhances resistance to tobacco mosaic virus. <b>2011</b> , 13, 145-53	6
1473	Gibberellin-associated cisgenes modify growth, stature and wood properties in <i>Populus</i> . <b>2011</b> , 9, 162-78	37
1472	Influence of evaporative demand on aquaporin expression and root hydraulics of hybrid poplar. <b>2011</b> , 34, 1318-31	40
1471	Comparative physiology and transcriptional networks underlying the heat shock response in <i>Populus trichocarpa</i> , <i>Arabidopsis thaliana</i> and <i>Glycine max</i> . <b>2011</b> , 34, 1488-506	56
1470	Overexpression of constitutively active <i>Arabidopsis</i> RabG3b promotes xylem development in transgenic poplars. <b>2011</b> , 34, 2212-24	20
1469	The plant ADH gene family. <b>2011</b> , 66, 128-42	76
1468	The sucrose transporter family in <i>Populus</i> : the importance of a tonoplast PtaSUT4 to biomass and carbon partitioning. <b>2011</b> , 65, 757-70	99
1467	The family of terpene synthases in plants: a mid-size family of genes for specialized metabolism that is highly diversified throughout the kingdom. <b>2011</b> , 66, 212-29	729
1466	Journey through the past: 150 million years of plant genome evolution. <b>2011</b> , 66, 58-65	71
1465	A NAC domain protein family contributing to the regulation of wood formation in poplar. <b>2011</b> , 67, 499-512	144



1464	Innate immunity: has poplar made its BED?. <b>2011</b> , 189, 678-687	25
1463	The rice acyl-CoA-binding protein gene family: phylogeny, expression and functional analysis. <b>2011</b> , 189, 1170-1184	54
1462	Knowing when not to grow. <b>2011</b> , 189, 3-5	7
1461	Solving the conundrum of plant species coexistence: water in space and time matters most. <b>2011</b> , 189, 5-8	34
1460	Association genetics of complex traits in plants. <b>2011</b> , 189, 909-922	218
1459	Qualitative and quantitative resistances to leaf rust finely mapped within two nucleotide-binding site leucine-rich repeat (NBS-LRR)-rich genomic regions of chromosome 19 in poplar. <b>2011</b> , 192, 151-163	18
1458	Sequencing crop genomes: approaches and applications. <b>2011</b> , 191, 915-925	84
1457	Bioenergy from trees. <b>2011</b> , 192, 313-5	10
1456	Genome-wide analysis of clustering patterns and flanking characteristics for plant microRNA genes. <b>2011</b> , 278, 929-40	19
1455	Genetic improvement of willow for bioenergy and biofuels. <b>2011</b> , 53, 151-65	142
1454	Bioenergy plants: Hopes, concerns and prospectives. <b>2011</b> , 53, 94-5	2
1453	Conservation and diversity of microRNA-associated copper-regulatory networks in <i>Populus trichocarpa</i> . <b>2011</b> , 53, 879-91	46
1452	Altered GAI activity of hybrid aspen has minimal effects on the performance of a polyphagous weevil, <i>Polydrusus sericeus</i> . <b>2011</b> , 138, 104-109	1
1451	The genome of <i>Theobroma cacao</i> . <b>2011</b> , 43, 101-8	502
1450	The <i>Arabidopsis lyrata</i> genome sequence and the basis of rapid genome size change. <b>2011</b> , 43, 476-81	638
1449	Forest tree genomics: growing resources and applications. <b>2011</b> , 12, 111-22	473
1448	Genetic analysis of post-mating reproductive barriers in hybridizing European <i>Populus</i> species. <b>2011</b> , 107, 478-86	28
1447	Ancestral polyploidy in seed plants and angiosperms. <b>2011</b> , 473, 97-100	1362

1446	Genome-level and biochemical diversity of the acyl-activating enzyme superfamily in plants. <b>2011</b> , 66, 143-60	58
1445	Investigation of genome structure of a cinnamyl alcohol dehydrogenase locus in a basal angiosperm hardwood species, <i>Liriodendron tulipifera</i> L., reveals low synteny. <b>2011</b> , 49, 396-405	2
1444	Insertion sequence elements in <i>Cupriavidus metallidurans</i> CH34: distribution and role in adaptation. <b>2011</b> , 65, 193-203	30
1443	Transposable elements and plant genome evolution. <b>2011</b> , 1, 565-576	4
1442	MicroSyn: a user friendly tool for detection of microsynteny in a gene family. <b>2011</b> , 12, 79	29
1441	Comprehensive analysis of tandem amino acid repeats from ten angiosperm genomes. <b>2011</b> , 12, 632	10
1440	SND2, a NAC transcription factor gene, regulates genes involved in secondary cell wall development in <i>Arabidopsis</i> fibres and increases fibre cell area in <i>Eucalyptus</i> . <b>2011</b> , 11, 173	109
1439	Transcriptome mining, functional characterization, and phylogeny of a large terpene synthase gene family in spruce ( <i>Picea</i> spp.). <b>2011</b> , 11, 43	96
1438	Rice sodium-insensitive potassium transporter, OSHAK5, confers increased salt tolerance in tobacco BY2 cells. <b>2011</b> , 111, 346-56	85
1437	The physiological, transcriptional and genetic responses of an ozone-sensitive and an ozone tolerant poplar and selected extremes of their F2 progeny. <b>2011</b> , 159, 45-54	25
1436	Woody Biomass from Short Rotation Energy Crops. <b>2011</b> , 27-63	31
1435	Plant small RNAs: biogenesis, mode of action and their roles in abiotic stresses. <b>2011</b> , 9, 183-99	95
1434	Sex chromosomes in land plants. <b>2011</b> , 62, 485-514	308
1433	A widespread occurrence of extra open reading frames in plant Ty3/gypsy retrotransposons. <b>2011</b> , 139, 1543-55	19
1432	Growth, physiological and molecular traits in Salicaceae trees investigated for phytoremediation of heavy metals and organics. <b>2011</b> , 31, 1319-34	128
1431	Main trends in the genetic transformation of <i>Populus</i> species. <b>2011</b> , 45, 352-361	5
1430	The age of protein kinases. <b>2011</b> , 779, 7-52	38
1429	Evolution and diversity of plant cell walls: from algae to flowering plants. <b>2011</b> , 62, 567-90	455

1428	SSCP intron marker system is a convenient tool for clonal fingerprinting of poplar ( <i>Populus</i> ) cultivars of different species and interspecific hybrids. <b>2011</b> , 58, 507-518	3
1427	Characterization of the plasma membrane proteins and receptor-like kinases associated with secondary vascular differentiation in poplar. <b>2011</b> , 76, 97-115	30
1426	Evolutionary history of the GH3 family of acyl adenylases in rosids. <b>2011</b> , 76, 489-505	51
1425	Genome-wide comparison of two poplar genotypes with different growth rates. <b>2011</b> , 76, 575-91	13
1424	Expression of Lignin Biosynthetic Genes in Wheat during Development and upon Infection by Fungal Pathogens. <b>2011</b> , 29, 149-161	45
1423	Identification and Characterization of Novel MicroRNAs from <i>Populus cathayana</i> Rehd. <b>2011</b> , 29, 242-251	10
1422	Isolation, Phylogeny and Expression Patterns of AP2-Like Genes in Apple ( <i>Malus domestica</i> Borkh). <b>2011</b> , 29, 209-216	25
1421	The carbonic anhydrase isoforms of <i>Chlamydomonas reinhardtii</i> : intracellular location, expression, and physiological roles. <b>2011</b> , 109, 133-49	147
1420	Characterization of microsatellites in the coding regions of the <i>Populus</i> genome. <b>2011</b> , 27, 59-66	11
1419	Discovery and expression profile analysis of AP2/ERF family genes from <i>Triticum aestivum</i> . <b>2011</b> , 38, 745-53	87
1418	Molecular characterization and expression analysis on two isogenes encoding 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase in grapes. <b>2011</b> , 38, 4739-47	7
1417	A systemic proteomic analysis of <i>Populus</i> chloroplast by using shotgun method. <b>2011</b> , 38, 3045-54	10
1416	Genomic aspects of research involving polyploid plants. <b>2011</b> , 104, 387-397	42
1415	Genome-wide identification and characterization of the cyclin gene family in <i>Populus trichocarpa</i> . <b>2011</b> , 107, 55-67	12
1414	Activation tagging is an effective gene tagging system in <i>Populus</i> . <b>2011</b> , 7, 91-101	33
1413	Organization of the chromosome region harboring a FLORICAULA/LEAFY gene in <i>Liriodendron</i> . <b>2011</b> , 7, 373-384	4
1412	Kunitz-type trypsin inhibitor gene family in <i>Arabidopsis</i> and <i>Populus trichocarpa</i> and its expression response to wounding and herbivore in <i>Populus nigra</i> . <b>2011</b> , 7, 431-441	10
1411	The sucrose synthase gene family in <i>Populus</i> : structure, expression, and evolution. <b>2011</b> , 7, 443-456	66

1410	Comparative mapping in Pinus: sugar pine ( <i>Pinus lambertiana</i> Dougl.) and loblolly pine ( <i>Pinus taeda</i> L.). <b>2011</b> , 7, 457-468	40
1409	Identification of quantitative trait loci affecting ectomycorrhizal symbiosis in an interspecific F1 poplar cross and differential expression of genes in ectomycorrhizas of the two parents: <i>Populus deltoides</i> and <i>Populus trichocarpa</i> . <b>2011</b> , 7, 617-627	31
1408	A genetic basis for the manipulation of sink-source relationships by the galling aphid <i>Pemphigus batae</i> . <b>2011</b> , 167, 711-21	27
1407	Analysis of re-integrated Ac element positions in the genome of <i>Populus</i> provides a basis for Ac/Ds-transposon activation tagging in trees. <b>2011</b> , 25, 551-557	8
1406	Do tree-ring traits reflect different water deficit responses in young poplar clones ( <i>Populus</i> $\times$ <i>canadensis</i> Mill. and <i>P. deltoides</i> Desv.)? <b>2011</b> , 25, 975-985	20
1405	Molecular aspects of flower development in grasses. <b>2011</b> , 24, 247-82	53
1404	The polyphenol oxidase gene family in poplar: phylogeny, differential expression and identification of a novel, vacuolar isoform. <b>2011</b> , 234, 799-813	31
1403	EST analysis of functional genes associated with cell wall biosynthesis and modification in the secondary xylem of the yellow poplar ( <i>Liriodendron tulipifera</i> ) stem during early stage of tension wood formation. <b>2011</b> , 234, 959-77	32
1402	Phylogenetic and expression analysis of RNA-binding proteins with triple RNA recognition motifs in plants. <b>2011</b> , 31, 55-64	18
1401	Contrasted patterns of selection since maize domestication on duplicated genes encoding a starch pathway enzyme. <b>2011</b> , 122, 705-22	10
1400	Temporal dynamics in the evolution of the sunflower genome as revealed by sequencing and annotation of three large genomic regions. <b>2011</b> , 123, 779-91	26
1399	Selection-driven divergence after gene duplication in <i>Arabidopsis thaliana</i> . <b>2011</b> , 73, 153-65	12
1398	Weedy lignocellulosic feedstock and microbial metabolic engineering: advancing the generation of 'Biofuel'. <b>2011</b> , 89, 1289-303	125
1397	Genetic variation within and between populations of a desert poplar ( <i>Populus euphratica</i> ) revealed by SSR markers. <b>2011</b> , 68, 1143-1149	27
1396	Isolation and characterization of Ty1-copia group of LTRs in genome of three species of <i>Datura</i> : <i>D. innoxia</i> , <i>D. stramonium</i> and <i>D. metel</i> . <b>2011</b> , 17, 255-61	2
1395	Poplar rust systematics and refinement of <i>Melampsora</i> species delineation. <b>2011</b> , 50, 227-248	30
1394	Exploring the metal phytoremediation potential of three <i>Populus alba</i> L. clones using an in vitro screening. <b>2011</b> , 18, 82-90	74
1393	An introduction to the medicinal plant genome project. <b>2011</b> , 5, 178-84	16

1392	The glutamine synthetase gene family in <i>Populus</i> . <b>2011</b> , 11, 119	50
1391	A systems biology model of the regulatory network in <i>Populus</i> leaves reveals interacting regulators and conserved regulation. <b>2011</b> , 11, 13	21
1390	Identification and analysis of phosphorylation status of proteins in dormant terminal buds of poplar. <b>2011</b> , 11, 158	19
1389	Genome-wide analysis of eukaryote thaumatin-like proteins (TLPs) with an emphasis on poplar. <b>2011</b> , 11, 33	72
1388	Gene expression analysis of flax seed development. <b>2011</b> , 11, 74	95
1387	Exploration of plant genomes in the FLAGdb++ environment. <b>2011</b> , 7, 8	19
1386	Using next generation transcriptome sequencing to predict an ectomycorrhizal metabolome. <b>2011</b> , 5, 70	52
1385	The <i>Eucalyptus grandis</i> Genome Project: Genome and transcriptome resources for comparative analysis of woody plant biology. <b>2011</b> , 5,	21
1384	A survey of green plant tRNA 3'-end processing enzyme tRNase Zs, homologs of the candidate prostate cancer susceptibility protein ELAC2. <b>2011</b> , 11, 219	13
1383	Evolutionary origins of Brassicaceae specific genes in <i>Arabidopsis thaliana</i> . <b>2011</b> , 11, 47	114
1382	Structure and evolution of the plant cation diffusion facilitator family of ion transporters. <b>2011</b> , 11, 76	134
1381	Back to the sea twice: identifying candidate plant genes for molecular evolution to marine life. <b>2011</b> , 11, 8	61
1380	Advancing <i>Eucalyptus</i> genomics: identification and sequencing of lignin biosynthesis genes from deep-coverage BAC libraries. <b>2011</b> , 12, 137	37
1379	A high-density transcript linkage map with 1,845 expressed genes positioned by microarray-based Single Feature Polymorphisms (SFP) in <i>Eucalyptus</i> . <b>2011</b> , 12, 189	19
1378	Assessing pooled BAC and whole genome shotgun strategies for assembly of complex genomes. <b>2011</b> , 12, 194	11
1377	Physical mapping and BAC-end sequence analysis provide initial insights into the flax ( <i>Linum usitatissimum</i> L.) genome. <b>2011</b> , 12, 217	57
1376	Differential phylogenetic expansions in BAHD acyltransferases across five angiosperm taxa and evidence of divergent expression among <i>Populus</i> paralogues. <b>2011</b> , 12, 236	85
1375	Analysis of expressed sequence tags generated from full-length enriched cDNA libraries of melon. <b>2011</b> , 12, 252	47

1374	Analysis of BAC end sequences in oak, a keystone forest tree species, providing insight into the composition of its genome. <b>2011</b> , 12, 292	29
1373	De novo sequencing and characterization of floral transcriptome in two species of buckwheat ( <i>Fagopyrum</i> ). <b>2011</b> , 12, 30	120
1372	New genomic resources for switchgrass: a BAC library and comparative analysis of homoeologous genomic regions harboring bioenergy traits. <b>2011</b> , 12, 369	14
1371	Sequencing of a QTL-rich region of the <i>Theobroma cacao</i> genome using pooled BACs and the identification of trait specific candidate genes. <b>2011</b> , 12, 379	12
1370	A genetically anchored physical framework for <i>Theobroma cacao</i> cv. Matina 1-6. <b>2011</b> , 12, 413	11
1369	Analysis of high-identity segmental duplications in the grapevine genome. <b>2011</b> , 12, 436	26
1368	Analyses of the oligopeptide transporter gene family in poplar and grape. <b>2011</b> , 12, 465	56
1367	Time to articulate a vision for the future of plant proteomics - A global perspective: An initiative for establishing the International Plant Proteomics Organization (INPPO). <b>2011</b> , 11, 1559-68	24
1366	Rice proteomics: A move toward expanded proteome coverage to comparative and functional proteomics uncovers the mysteries of rice and plant biology. <b>2011</b> , 11, 1630-49	82
1365	Plant organelle proteomics: collaborating for optimal cell function. <b>2011</b> , 30, 772-853	75
1364	Gene and Genome Duplications in Plants. <b>2011</b> , 269-298	3
1363	Duplicate Retention After Small- and Large-Scale Duplications. <b>2011</b> , 31-56	7
1362	Replacing fossil oil with fresh oil - with what and for what?. <b>2011</b> , 113, 812-831	150
1361	<i>Arabidopsis</i> paves the way: genomic and network analyses in crops. <b>2011</b> , 22, 260-70	43
1360	How could forest trees play an important role as feedstock for bioenergy production?. <b>2011</b> , 3, 90-94	20
1359	Reference gene selection for quantitative real-time polymerase chain reaction in <i>Populus</i> . <b>2011</b> , 408, 337-9	99
1358	Review and model-based analysis of factors influencing soil carbon sequestration under hybrid poplar. <b>2011</b> , 35, 214-226	37
1357	Poplar under drought: comparison of leaf and cambial proteomic responses. <b>2011</b> , 74, 1396-410	42

1356	Clustering of MS spectra for improved protein identification rate and screening for protein variants and modifications by MALDI-MS/MS. <b>2011</b> , 74, 1190-200	5
1355	Proteomics research on forest trees, the most recalcitrant and orphan plant species. <b>2011</b> , 72, 1219-42	80
1354	Fumarate: Multiple functions of a simple metabolite. <b>2011</b> , 72, 838-43	55
1353	Four terpene synthases produce major compounds of the gypsy moth feeding-induced volatile blend of <i>Populus trichocarpa</i> . <b>2011</b> , 72, 897-908	63
1352	Transformation of the mycorrhizal fungus <i>Laccaria bicolor</i> using <i>Agrobacterium tumefaciens</i> . <b>2011</b> , 2, 38-44	12
1351	Size variation in homologous segments across divergent plant genomes. <b>2011</b> , 1, 92-96	3
1350	Molecular dissection of xylan biosynthesis during wood formation in poplar. <b>2011</b> , 4, 730-47	67
1349	An efficient single nucleotide polymorphism assay to diagnose the genomic identity of poplar species and hybrids on the Canadian prairies. <b>2011</b> , 41, 1102-1111	21
1348	Nucleocytoplasmic distribution is required for activation of resistance by the potato NB-LRR receptor Rx1 and is balanced by its functional domains. <b>2010</b> , 22, 4195-215	120
1347	The Mediator complex in plants: structure, phylogeny, and expression profiling of representative genes in a dicot ( <i>Arabidopsis</i> ) and a monocot (rice) during reproduction and abiotic stress. <b>2011</b> , 157, 1609-27	113
1346	Polymorphism and Divergence in Two Willow Species, <i>Salix viminalis</i> L. and <i>Salix schwerinii</i> E. Wolf. <b>2011</b> , 1, 387-400	22
1345	A 3,000-loci transcription map of chromosome 3B unravels the structural and functional features of gene islands in hexaploid wheat. <b>2011</b> , 157, 1596-608	45
1344	A greedy, graph-based algorithm for the alignment of multiple homologous gene lists. <b>2011</b> , 27, 749-56	16
1343	Down-regulation of glycosyltransferase 8D genes in <i>Populus trichocarpa</i> caused reduced mechanical strength and xylan content in wood. <b>2011</b> , 31, 226-36	49
1342	GreenPhylDB v2.0: comparative and functional genomics in plants. <b>2011</b> , 39, D1095-102	95
1341	The tomato terpene synthase gene family. <b>2011</b> , 157, 770-89	219
1340	Selection patterns on restorer-like genes reveal a conflict between nuclear and mitochondrial genomes throughout angiosperm evolution. <b>2011</b> , 108, 1723-8	190
1339	Local selection across a latitudinal gradient shapes nucleotide diversity in balsam poplar, <i>Populus balsamifera</i> L. <b>2011</b> , 188, 941-52	39

1338	Phylogenetic study of plant Q-type C2H2 zinc finger proteins and expression analysis of poplar genes in response to osmotic, cold and mechanical stresses. <b>2011</b> , 18, 77-92	40
1337	Discovery and annotation of small proteins using genomics, proteomics, and computational approaches. <b>2011</b> , 21, 634-41	84
1336	Perturbation of wood cellulose synthesis causes pleiotropic effects in transgenic aspen. <b>2011</b> , 4, 331-45	59
1335	The poplar-poplar rust interaction: insights from genomics and transcriptomics. <b>2011</b> , 2011, 716041	49
1334	Expression of Aux/IAA genes during development of sylleptic and proleptic buds in white poplar. <b>2011</b> , 145, 370-380	2
1333	TotalReCaller: improved accuracy and performance via integrated alignment and base-calling. <b>2011</b> , 27, 2330-7	9
1332	Targeted identification of short interspersed nuclear element families shows their widespread existence and extreme heterogeneity in plant genomes. <b>2011</b> , 23, 3117-28	81
1331	Distinct microbial communities within the endosphere and rhizosphere of <i>Populus deltoides</i> roots across contrasting soil types. <b>2011</b> , 77, 5934-44	346
1330	The emerging importance of type I MADS box transcription factors for plant reproduction. <b>2011</b> , 23, 865-72	141
1329	Non Coding RNAs in Plants. <b>2011</b> ,	1
1328	Eucalypts as a biofuel feedstock. <b>2011</b> , 2, 639-657	32
1327	The sieve element occlusion gene family in dicotyledonous plants. <b>2011</b> , 6, 151-3	18
1326	Molecular evolution and selection patterns of plant F-box proteins with C-terminal kelch repeats. <b>2011</b> , 155, 835-50	55
1325	Comparative evolution of photosynthetic genes in response to polyploid and nonpolyploid duplication. <b>2011</b> , 155, 2081-95	44
1324	Spatiotemporal analysis of copper homeostasis in <i>Populus trichocarpa</i> reveals an integrated molecular remodeling for a preferential allocation of copper to plastocyanin in the chloroplasts of developing leaves. <b>2011</b> , 157, 1300-12	37
1323	Transcriptome response to embolism formation in stems of <i>Populus trichocarpa</i> provides insight into signaling and the biology of refilling. <b>2011</b> , 157, 1419-29	53
1322	Poplar maintains zinc homeostasis with heavy metal genes HMA4 and PCS1. <b>2011</b> , 62, 3737-52	52
1321	Genome-scale transcriptome analysis of the desert poplar, <i>Populus euphratica</i> . <b>2011</b> , 31, 452-61	116



1320	Environmental regulation of sex determination in oil palm: current knowledge and insights from other species. <b>2011</b> , 108, 1529-37	78
1319	The Plant Organelles Database 2 (PODB2): an updated resource containing movie data of plant organelle dynamics. <b>2011</b> , 52, 244-53	15
1318	The GreenCut2 resource, a phylogenomically derived inventory of proteins specific to the plant lineage. <b>2011</b> , 286, 21427-39	80
1317	Analyses of phylogeny, evolution, conserved sequences and genome-wide expression of the ICK/KRP family of plant CDK inhibitors. <b>2011</b> , 107, 1141-57	43
1316	Diverse functional roles of monosaccharide transporters and their homologs in vascular plants: a physiological perspective. <b>2011</b> , 4, 641-62	134
1315	The Populus class III HD ZIP, popREVOLUTA, influences cambium initiation and patterning of woody stems. <b>2011</b> , 155, 1214-25	113
1314	The Ma gene for complete-spectrum resistance to Meloidogyne species in Prunus is a TNL with a huge repeated C-terminal post-LRR region. <b>2011</b> , 156, 779-92	63
1313	Syringyl lignin is unaltered by severe sinapyl alcohol dehydrogenase suppression in tobacco. <b>2011</b> , 23, 4492-506	27
1312	FLOWERING LOCUS T duplication coordinates reproductive and vegetative growth in perennial poplar. <b>2011</b> , 108, 10756-61	306
1311	Nuclear DNA amounts in angiosperms: targets, trends and tomorrow. <b>2011</b> , 107, 467-590	220
1310	Selection for higher gene copy number after different types of plant gene duplications. <b>2011</b> , 3, 1369-80	22
1309	Transcriptome analyses of Populus x euramericana clone I-214 leaves exposed to excess zinc. <b>2011</b> , 31, 1293-308	51
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1307	Combining comparative sequence and genomic data to ascertain phylogenetic relationships and explore the evolution of the large GDSL-lipase family in land plants. <b>2011</b> , 28, 551-65	51
1306	Update on chloroplast research: new tools, new topics, and new trends. <b>2011</b> , 4, 1-16	37
1305	Evolutionary divergence and limits of conserved non-coding sequence detection in plant genomes. <b>2011</b> , 39, 6029-43	30
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1303	A white spruce gene catalog for conifer genome analyses. <b>2011</b> , 157, 14-28	128

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1299	Genome-wide responses to drought in forest trees. <b>2011</b> , 84, 273-283	86
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1297	GrameneMart: the BioMart data portal for the Gramene project. <b>2012</b> , 2012, bar056	21
1296	Co-expression and co-responses: within and beyond transcription. <b>2012</b> , 3, 248	24
1295	The Biofuel Feedstock Genomics Resource: a web-based portal and database to enable functional genomics of plant biofuel feedstock species. <b>2012</b> , 2012, bar061	13
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1293	Four novel cellulose synthase (CESA) genes from Birch ( <i>Betula platyphylla</i> Suk.) involved in primary and secondary cell Wall biosynthesis. <b>2012</b> , 13, 12195-212	14
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1287	The effect of variation in the effective population size on the rate of adaptive molecular evolution in eukaryotes. <b>2012</b> , 4, 658-67	116
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1275	Phytozome: a comparative platform for green plant genomics. <b>2012</b> , 40, D1178-86	2713
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1269	Decoding plant and animal genome plasticity from differential paleo-evolutionary patterns and processes. <b>2012</b> , 4, 917-28	46
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1261	Entangling ancient allotetraploidization in Asian <i>Mitella</i> : an integrated approach for multilocus combinations. <b>2012</b> , 29, 429-39	15
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1249	The genome of flax ( <i>Linum usitatissimum</i> ) assembled de novo from short shotgun sequence reads. <b>2012</b> , 72, 461-73	315

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1239	A genome triplication associated with early diversification of the core eudicots. <b>2012</b> , 13, R3	266
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1233	Denitrification by plant roots? New aspects of plant plasma membrane-bound nitrate reductase. <b>2012</b> , 249, 909-18	7
1232	MicroRNAs in trees. <b>2012</b> , 80, 37-53	20
1231	Correlations of expression of cell wall biosynthesis genes with variation in biomass composition in shrub willow ( <i>Salix</i> spp.) biomass crops. <b>2012</b> , 8, 775-788	10

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1221	The strategic importance of applied tree conservation programs to the forest industry in South Africa. <b>2012</b> , 74, 1-6	10
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1214	Accelerating the domestication of forest trees in a changing world. <b>2012</b> , 17, 64-72	85
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1212	The importance of individuals: intraspecific diversity of mycorrhizal plants and fungi in ecosystems. <b>2012</b> , 194, 614-628	128
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1205	Cloning and characterization of homeologous cellulose synthase catalytic subunit 2 genes from allotetraploid cotton ( <i>Gossypium hirsutum</i> L.). <b>2012</b> , 494, 181-9	19
1204	The soybean aldehyde dehydrogenase (ALDH) protein superfamily. <b>2012</b> , 495, 128-33	27
1203	The transcriptomes of columnar and standard type apple trees ( <i>Malus x domestica</i> ) - a comparative study. <b>2012</b> , 498, 223-30	33
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1196	Evolution of the PWWP-domain encoding genes in the plant and animal lineages. <b>2012</b> , 12, 101	13
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1191	Horizontal transfer of expressed genes in a parasitic flowering plant. <b>2012</b> , 13, 227	73
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1189	Comprehensive analysis of CCCH zinc finger family in poplar ( <i>Populus trichocarpa</i> ). <b>2012</b> , 13, 253	64
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1175	A high throughput DNA extraction method with high yield and quality. <b>2012</b> , 8, 26	87
1174	A simple and efficient transient transformation for hybrid aspen ( <i>Populus tremula</i> L. <i>tremuloides</i> ). <b>2012</b> , 8, 30	30
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1172	BowStrap v1.0: Assigning statistical significance to expressed genes using short-read transcriptome data. <b>2012</b> , 5, 275	6
1171	Evaluation of qPCR reference genes in two genotypes of <i>Populus</i> for use in photoperiod and low-temperature studies. <b>2012</b> , 5, 366	37
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1161	Comparative Evolutionary Genomics of Land Plants. <b>2012</b> , 227-275	2
1160	So Many Repeats and So Little Time: How to Classify Transposable Elements. <b>2012</b> , 1-15	4
1159	Helitron Proliferation and Gene-Fragment Capture. <b>2012</b> , 193-217	2

1158	The Photosynthetic World. <b>2012</b> , 3-32	8
1157	Species-specific size expansion and molecular evolution of the oleosins in angiosperms. <b>2012</b> , 509, 247-57	10
1156	Photosynthetic and growth responses of Populus clones Eridano and I-214 submitted to elevated Zn concentrations. <b>2012</b> , 123, 77-86	32
1155	Making new molecules - evolution of pathways for novel metabolites in plants. <b>2012</b> , 15, 415-23	99
1154	Microarray and suppression subtractive hybridization analyses of gene expression in hybrid poplar (Populus alba × Populus tremula var. glandulosa) cell suspension cultures after exposure to NaCl. <b>2012</b> , 58, 151-8	5
1153	Discovering patterns in gene order. <b>2012</b> , 855, 431-55	
1152	Deciphering the Parts List for the Mechanical Plant. <b>2012</b> , 141, 89-97	
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1140	A catalogue of putative unique transcripts from Douglas-fir ( <i>Pseudotsuga menziesii</i> ) based on 454 transcriptome sequencing of genetically diverse, drought stressed seedlings. <b>2012</b> , 13, 673	29
1139	De novo characterization of the Chinese fir ( <i>Cunninghamia lanceolata</i> ) transcriptome and analysis of candidate genes involved in cellulose and lignin biosynthesis. <b>2012</b> , 13, 648	56
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1135	Extensive pyrosequencing reveals frequent intra-genomic variations of internal transcribed spacer regions of nuclear ribosomal DNA. <b>2012</b> , 7, e43971	93
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1133	Genome-wide identification, evolutionary expansion, and expression profile of homeodomain-leucine zipper gene family in poplar ( <i>Populus trichocarpa</i> ). <b>2012</b> , 7, e31149	60
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1085	Genome-wide analysis of WRKY transcription factors in <i>Solanum lycopersicum</i> . <b>2012</b> , 287, 495-513	207
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1081	Genetic consequences of glacial survival: the late Quaternary history of balsam poplar ( <i>Populus balsamifera</i> L.) in North America. <b>2012</b> , 39, 918-928	26
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1068	Gene order in rosid phylogeny, inferred from pairwise synteny among extant genomes. <b>2012</b> , 13 Suppl 10, S9	6
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1058	Molecular Cloning and Characterization of a Cytokinin Dehydrogenase Gene from Upland Cotton ( <i>Gossypium hirsutum</i> L.). <b>2012</b> , 30, 1-9	26
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1054	Responses to environmental stresses in woody plants: key to survive and longevity. <b>2012</b> , 125, 1-10	27
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1048	<i>Populus euphratica</i> : the transcriptomic response to drought stress. <b>2013</b> , 83, 539-57	71
1047	Cloning and functional analysis of three genes encoding polygalacturonase-inhibiting proteins from <i>Capsicum annuum</i> and transgenic CaPGIP1 in tobacco in relation to increased resistance to two fungal pathogens. <b>2013</b> , 81, 379-400	37
1046	Continental-scale assessment of genetic diversity and population structure in quaking aspen ( <i>Populus tremuloides</i> ). <b>2013</b> , 40, 1780-1791	47
1045	Genome-wide Analysis of the Distribution of AP2/ERF Transcription Factors Reveals Duplication and Elucidates their Potential Function in Chinese Cabbage ( <i>Brassica rapa</i> ssp. <i>pekinensis</i> ). <b>2013</b> , 31, 1002-1011	27
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1039	Model selection as a tool for phylogeographic inference: an example from the willow <i>Salix melanopsis</i> . <b>2013</b> , 22, 4014-28	50
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1036	Tracing a key player in the regulation of plant architecture: the columnar growth habit of apple trees ( <i>Malus domestica</i> ). <b>2013</b> , 238, 1-22	43
1035	Plant Transposable Elements. <b>2013</b> ,	2
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1033	The developing xylem transcriptome and genome-wide analysis of alternative splicing in <i>Populus trichocarpa</i> (black cottonwood) populations. <b>2013</b> , 14, 359	51



1032	Genome-wide identification, characterization and expression analysis of populus leucine-rich repeat receptor-like protein kinase genes. <b>2013</b> , 14, 318	48
1031	Identification of drought-responsive and novel <i>Populus trichocarpa</i> microRNAs by high-throughput sequencing and their targets using degradome analysis. <b>2013</b> , 14, 233	120
1030	Genome-wide analysis of NBS-encoding disease resistance genes in <i>Cucumis sativus</i> and phylogenetic study of NBS-encoding genes in Cucurbitaceae crops. <b>2013</b> , 14, 109	76
1029	Draft genome sequence of the rubber tree <i>Hevea brasiliensis</i> . <b>2013</b> , 14, 75	181
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1010	Overexpressing the <i>ZmDof1</i> gene in <i>Populus</i> does not improve growth and nitrogen assimilation under low-nitrogen conditions. <b>2013</b> , 113, 51-61	8
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1000	Integrated Studies on Abiotic Stress Defence in Trees. <b>2013</b> , 289-307	3
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973	The genome of the pear ( <i>Pyrus bretschneideri</i> Rehd.). <b>2013</b> , 23, 396-408	615
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971	Open access to tree genomes: the path to a better forest. <b>2013</b> , 14, 120	26
970	Genomics reveals new landscapes for crop improvement. <b>2013</b> , 14, 206	79
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743	Traditional Breeding, Genomics-Assisted Breeding, and Biotechnological Modification of Forest Trees and Short Rotation Woody Crops. <b>2013</b> , 79-99	5
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711	De-novoassembly of zucchini genome reveals a whole genome duplication associated with the origin of the Cucurbit genus.	1
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708	Mining downy mildew susceptibility genes: a diversity study in grapevine.	1
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704	Sexual dimorphism and sex ratio bias in the dioecious willow <i>Salix purpurea</i> L.	1
703	Hybrid origin of <i>Populus tomentosa</i> Carr. identified through genome sequencing and phylogenomic analysis.	1
702	A general model to explain repeated turnovers of sex determination in the Salicaceae.	2
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700	The Perfect Storm: Gene Tree Estimation Error, Incomplete Lineage Sorting, and Ancient Gene Flow Explain the Most Recalcitrant Ancient Angiosperm Clade, Malpighiales.	1
699	The genetic basis of adaptation in phenology in an introduced population of Black Cottonwood ( <i>Populus trichocarpa</i> , Torr. & Gray).	2
698	Plant Genotype Influences Physicochemical Properties of Substrate as well as Bacterial and Fungal Assemblages in the Rhizosphere of Balsam Poplar.	1
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694	Sequence Imputation from Low Density Single Nucleotide Polymorphism Panel in a Black Poplar Breeding population.	1
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