

References: ISOSPIN Plant RNA

ISOSPIN Plant RNA is used for purification of plant RNA from various samples.

No.	Paper	Sample
1	Chikashi, H. <i>et al.</i> : <i>Sci Rep.</i> , 14 , 27410 (2024) Conservation units and the origin of planted individuals of an endangered endemic species <i>Lobelia boninensis</i> in the Ogasawara Islands	Lobelia boninensis
2	Haruka, O. <i>et al.</i> : <i>Plant and Cell Physiology</i> , 3 (65), 362-371 (2024) Comparative Analysis of Shikonin and Alkannin Acyltransferases Reveals Their Functional Conservation in Boraginaceae	Lithospermum erythrorhizon
3	Kaito, H. <i>et al.</i> : <i>Data in Brief.</i> , 59 , 111341 (2025) Gene expression dataset of the blood clam <i>Anadara kagoshimensis</i> in relation to anoxic stress	gills of <i>Anadara kagoshimensis</i>
4	Akari, H. <i>et al.</i> : <i>J-STAGE.</i> , 24 , 1030a (2025) Expression analysis of genes enriched in the pulvinus of <i>Lotus japonicus</i>	<i>Japonicus</i> (pulvinus, stem)
5	Manabu, S. <i>et al.</i> : <i>Life Sciences in Space Research</i> , 44 , 79-85 (2025) Anthocyanin can improve the survival of rice seeds from solar light outside the international space station	japonica variety rice
6	Mayu, M. <i>et al.</i> : <i>Molecular ecology</i> , 16 (33), e17466 (2024) Evolution of secondary metabolites, morphological structures and associated gene expression patterns in galls induced by four closely related aphid species on a host plant species	Plant Gall
7	June-Sik, K. <i>et al.</i> : <i>Sci Data</i> , 12 , 197 (2025) Multiomics-based assessment of the impact of airflow on diverse plant callus cultures	<i>Nicotiana tabacum</i>
8	Jun, C. <i>et al.</i> : <i>Bioscience, Biotechnology, and Biochemistry</i> , 2 (88), 220-224 (2024) Copper ion (Cu²⁺) is involved in the transcription of the tyrosinase-encoding melB gene of <i>Aspergillus oryzae</i> in solid-state culture	<i>A. oryzae</i>
9	Tatsuyuki, K. <i>et al.</i> : <i>Plants</i> , 13 (17), 2487 (2024) Ergothioneine Improves Seed Yield and Flower Number through FLOWERING LOCUS T Gene Expression in <i>Arabidopsis thaliana</i>	<i>Arabidopsis thaliana</i>

10	Yuka, S. <i>et al.</i> : <i>Front. Plant Sci.</i> 15 (2024) Autonomous differentiation of transgenic cells requiring no external hormone application: the endogenous gene expression and phytohormone behaviors	Arabidopsis thaliana seeds
11	Yoshiaki, U. <i>et al.</i> : <i>Plant Methods</i> , 20 , 187 (2024) Development of an infiltration-based RNA preservation method for cryogen-free storage of leaves for gene expression analyses in field-grown plants	temperate japonica rice
12	Tetsuya, Y. <i>et al.</i> : <i>Plant and Cell Physiology</i> , 11 (65), 1743-1750 (2024) Heritable Tissue-Culture-Free Gene Editing in <i>Nicotiana benthamiana</i> through Viral Delivery of SpCas9 and sgRNA	<i>Nicotiana benthamiana</i>
13	Takanori, K. <i>et al.</i> : <i>Scientia Horticulturae</i> , 332 , 113193 (2024) Exogenous application of gibberellic acid reduces antioxidant capacity of leaves, resulting in increased Tipburn damages in <i>Lisianthus</i> cultivars	<i>Lisianthus</i>
14	Kazuma, F. <i>et al.</i> : <i>bioRxiv</i> , (2025) Structure-activity relationships and crucial mechanisms of the coumarin family as germination inhibitors	Arabidopsis (seeds)
15	Takumi, O. <i>et al.</i> : <i>J-STAGE</i> , 4 (41), 343-356 (2024) Translocation of green fluorescent protein in homo- and hetero-transgrafted plants	Tomato, <i>N. tabacum</i>
16	Kenji, S. <i>et al.</i> : <i>Plant, Cell & Environment</i> , 8 (47), 2711-3281 (2024) Freezing treatment under light conditions leads to a dramatic enhancement of freezing tolerance in cold-acclimated <i>Arabidopsis</i>	<i>Arabidopsis thaliana</i>
17	Yasuo, K. <i>et al.</i> : <i>Biochemistry and Biophysics Reports</i> , 38 , 101692 (2024) Functional characterization of <i>Capsicum chinense</i> vanillin aminotransferase: Detection of vanillylamine-forming activity from vanillin	<i>Capsicum chinense</i>
18	Kang, X. <i>et al.</i> : <i>Plant Physiology</i> , 2 (196), 1659-1673 (2024) Exogenous application of the apocarotenoid retinaldehyde negatively regulates auxin-mediated root growth	<i>Arabidopsis</i> (roots, seeds)
19	Yasuhito, S. <i>et al.</i> : <i>Nat Commun</i> , 15 , 7913 (2024) HASTY-mediated miRNA dynamics modulate nitrogen starvation-induced leaf senescence in <i>Arabidopsis</i>	<i>Arabidopsis</i> (seeds, rosette leaves)

20	Koki, M. <i>et al.</i> : <i>Antioxidants</i> , 13 (7), 781 (2024) Diurnal-Rhythmic Relationships between Physiological Parameters and Photosynthesis- and Antioxidant-Enzyme Genes Expression in the Raphidophyte <i>Chattonella marina</i> Complex	Chattonella marina var. antiqua
21	Mitsutoshi, K. <i>et al.</i> : <i>Journal of Experimental Botany</i> , 11 (75), 3521-3541 (2024) Anthocyanins act as a sugar-buffer and an alternative electron sink in response to starch depletion during leaf senescence: a case study on a typical anthocyanic tree species, <i>Acer japonicum</i>	Acer japonicum
22	Mengyao, W. <i>et al.</i> : <i>Commun Biol</i> , 7 , 102 (2024) The phosphorylated pathway of serine biosynthesis affects sperm, embryo, and sporophyte development, and metabolism in <i>Marchantia polymorpha</i>	Takaragaike-1(Marchantia polymorpha)
23	Niarsi, M, H. <i>et al.</i> : <i>Plant and Cell Physiology</i> , 11 (65), 1769-1786 (2024) Nutrient Requirements Shape the Preferential Habitat of <i>Allorhizobium vitis</i> VAR03-1, a Commensal Bacterium, in the Rhizosphere of <i>Arabidopsis thaliana</i>	Arabidopsis (roots, shoots)
24	Saori, T. <i>et al.</i> : <i>Plant and Cell Physiology</i> , 9 (64), 996-1007 (2023) A Divergent Clade KAI2 Protein in the Root Parasitic Plant <i>Orobanche minor</i> Is a Highly Sensitive Strigolactone Receptor and Is Involved in the Perception of Sesquiterpene Lactones	Arabidopsis (seeds)
25	Taishi, H. <i>et al.</i> : <i>Genes Genet. Syst</i> , 98 , 259-265 (2023) Development and characterization of expressed sequence tag-simple sequence repeat markers for <i>Anaphalis margaritacea</i> var. <i>yedoensis</i> (Asteraceae)	A. margaritacea var. yedoensis (Leaves)
26	Keita, T. <i>et al.</i> : <i>DNA Research</i> , 1 (30), dsac044 (2023) A highly contiguous genome assembly of red perilla (<i>Perilla frutescens</i>) domesticated in Japan	P. frutescens cv
27	Junpei, U. <i>et al.</i> : <i>Cytologia</i> , 88 (1), 61-67 (2023) Characterization of late heading 1, a Heavy-Ion Beam Irradiation-Induced Mutant in Einkorn Wheat (<i>Triticum monococcum</i>) that Suppresses an Early-Flowering Phenotype in Plants with Deletion of <i>PHYTOCLOCK 1</i>	Triticum monococcum

28	Ayako, N. <i>et al.</i> : <i>Bioscience, Biotechnology, and Biochemistry</i> , 87 (10), 1145-1154 82023) Molecular and cellular insights into auxin-regulated primary root growth: a comparative study of <i>Arabidopsis</i> and rice	<i>Arabidopsis</i> (roots), rice
29	Emdadul, H. <i>et al.</i> : <i>Front. Plant Sci</i> , 14 (2023) Polyploid GWAS reveals the basis of molecular marker development for complex breeding traits including starch content in the storage roots of sweet potato	I. batatas
30	Shizuka, K. <i>et al.</i> : <i>DNA Research</i> , 30 (5), dsad019 (2023) Genome and transcriptome analyses reveal genes involved in the formation of fine ridges on petal epidermal cells in <i>Hibiscus trionum</i>	H. trionum L.
31	Masanobu, N. <i>et al.</i> : <i>J Virol</i> , 97 (6), e00221-23 (2023) Interaction of EXA1 and eIF4E Family Members Facilitates Potexvirus Infection in <i>Arabidopsis thaliana</i>	A. thaliana
32	Quanshu, L. <i>et al.</i> : <i>Plant Production Science</i> , 26 (1), 65 - 75 (2023) Deepwater response in the African cultivated rice <i>Oryza glaberrima</i>.	O. glaberrima
33	Ryuhei, E. <i>et al.</i> : <i>Appl Environ Microbiol</i> , 89 , e01458-23 (2023) Identification of an operon and its regulator required for autoaggregation in <i>Tetragenococcus halophilus</i>	Tetragenococcus halophilus
34	Hayato, H. <i>et al.</i> : <i>Front. Plant Physiol</i> , 30 (2023) Cold acclimation is affected by diurnal cycles and minute-scale random temperature fluctuations via calcium signals	A. thaliana
35	Yuka, S. <i>et al.</i> : <i>Biomolecules</i> , 13 (2), 208 (2023) Behavior of Male Gamete Fusogen GCS1/HAP2 and the Regulation in <i>Arabidopsis</i> Double Fertilization	<i>Arabidopsis thaliana</i>