

GEPHE SUMMARY

RRS1 (https://www.gephebase.org/search-criteria?/and+Gene Gephebase= [^] RRS1 [#] gephebase-summary-title)	Gephebase Gene	GP00001015	GepheID
Published	Entry Status	Martin	Main curator

PHENOTYPIC CHANGE

Physiology (https://www.gephebase.org/search-criteria?/and+Trait Category= [^] Physiology [#] gephebase-summary-title)	Trait Category		
Pathogen resistance (https://www.gephebase.org/search-criteria?/and+Trait = [^] Pathogen resistance [#] gephebase-summary-title)	Trait		
Arabidopsis thaliana	Trait State in Taxon A		
Arabidopsis thaliana	Trait State in Taxon B		
Data not curated	Ancestral State		
Intraspecific (https://www.gephebase.org/search-criteria?/and+Taxonomic Status= [^] Intraspecific [#] gephebase-summary-title)	Taxonomic Status		
	Taxon A		Taxon B
Arabidopsis thaliana (https://www.gephebase.org/search-criteria?/and+Taxon and Synonyms= [^] Arabidopsis thaliana [#] gephebase-summary-title)	Latin Name	Arabidopsis thaliana (https://www.gephebase.org/search-criteria?/and+Taxon and Synonyms= [^] Arabidopsis thaliana [#] gephebase-summary-title)	Latin Name
thale cress	Common Name	thale cress	Common Name
thale cress; mouse-ear cress; thale-cress; Arabidopsis thaliana (L.) Heynh.; Arabidopsis thaliana (thale cress); Arabidopsis_thaliana; Arbisopsis thaliana; thale kress	Synonyms	thale cress; mouse-ear cress; thale-cress; Arabidopsis thaliana (L.) Heynh.; Arabidopsis thaliana (thale cress); Arabidopsis_thaliana; Arbisopsis thaliana; thale kress	Synonyms
species	Rank	species	Rank
cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; eudicotyledons; Gunneridae; Pentapetalae; rosids; malvids; Brassicales; Brassicaceae; Camelineae; Arabidopsis	Lineage	cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; eudicotyledons; Gunneridae; Pentapetalae; rosids; malvids; Brassicales; Brassicaceae; Camelineae; Arabidopsis	Lineage
Arabidopsis () - (Rank: genus) (https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3701)	Parent	Arabidopsis () - (Rank: genus) (https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3701)	Parent
3702 (https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3702)	NCBI Taxonomy ID	3702 (https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3702)	NCBI Taxonomy ID
No	is Taxon A an Intraspecies?	No	is Taxon B an Intraspecies?

GENOTYPIC CHANGE

RRS1	Generic Gene Name	PoDKH5 (http://www.uniprot.org/uniprot/PoDKH5)	UniProtKB Arabidopsis thaliana
ARABIDOPSIS THALIANA WRKY DOMAIN PROTEIN 52; ATWRKY52; K9E15.2; K9E15.2; RESISTANT TO RALSTONIA SOLANACEARUM 1; SENSITIVE TO LOW HUMIDITY 1; SLH1; RCH2; RRS1-S; RSH4; WRKY52; At5g45260/At5g45270; K9E15.2/K9E15.3	Synonyms	AK117156 (https://www.ncbi.nlm.nih.gov/nuccore/AK117156)	GenebankID or UniProtKB
3702.AT5G45260.1 (http://string-db.org/newstring.cgi/show_network_section.pl?identifier=3702.AT5G45260.1)	String		
Belongs to the disease resistance TIR-NB-LRR family.	Sequence Similarities		
GO:0005524 : ATP binding (https://www.ebi.ac.uk/QuickGO/term/GO:0005524)	GO - Molecular Function		
GO:0042802 : identical protein binding (https://www.ebi.ac.uk/QuickGO/term/GO:0042802)			

