

Table S1. List of genomes used as a negative data set input for pipeline analysis for the identification of the specific sequences using RUCS software. The list contains 73 complete or draft genomes of phytoplasma (18 genomes) and mycoplasma (55 genomes) derived from NCBI/Genbank database.

Name	NCBI/GenBank accession number
New Jersey aster yellows phytoplasma strain NJAY	MAPF01000000
Aster yellows witches'-broom phytoplasma AYWB	CP000061.1
Strawberry lethal yellows phytoplasma (CPA) strain NZSb11	NC_021236.1
Vaccinium witches' broom phytoplasma strain VAC	AKIN01000000
Wheat blue dwarf phytoplasma	AVAO01000000
Echinacea purpurea' witches' broom phytoplasma strain NCHU2014	LKAC01000000
' <i>Candidatus</i> Phytoplasma aurantifolia' strain WBDL	MWKN01000000
' <i>Candidatus</i> Phytoplasma australiense'	NC_010544.1
' <i>Candidatus</i> Phytoplasma mali' strain AT	CU469464.1
"Stolbur" phytoplasma	FO393428.1
"Stolbur" phytoplasma strain 284/09	FO393427.1
Rice orange leaf phytoplasma strain LD1	MIEP01000000
Poinsettia branch-inducing phytoplasma strain JR1	AKIK01000000
Phytoplasma sp. strain Vc33 3J-1	LLKK01000000
Onion yellows phytoplasma strain OY-M	NC_005303.2
Milkweed yellows phytoplasma strain MW1	AKIL01000000
Maize bushy stunt phytoplasma strain M3	CP015149.1
Italian clover phyllody phytoplasma str. MA1	AKIM01000000
Mycoplasma ovipneumoniae NM2010	JAKV01000000
Mycoplasma orale ATCC 23714	ATUH01000000

Name	NCBI/GenBank accession number
Mycoplasma opalescens ATCC 27921	JOOB01000000
Mycoplasma molare ATCC 27746	JHWG01000000
Mycoplasma mobile 163K	NC_006908.1
Mycoplasma meleagridis ATCC 25294	JZXN01000000
Mycoplasma lipofaciens ATCC 35015	JMKY01000000
Mycoplasma leonicaptivi ATCC 49890	JHWE01000000
Mycoplasma leachii 06049	LAUU01000000
Mycoplasma iowae 695	AGFP01000000
Mycoplasma iners ATCC 19705	JNJW01000000
Mycoplasma imitans ATCC 51306	JADI01000000
Mycoplasma hyosynoviae isolate NPL7	JFKG01000000
Mycoplasma hyorhinitis SK76	NC_019552.1
Mycoplasma hyopneumoniae isolate J	NC_007295.1
Mycoplasma hominis ATCC 23114	NC_013511.1
Mycoplasma haemocanis isolate Illinois	NC_016638.1
Mycoplasma glycyphilum ATCC 35277	JHYE01000000
Mycoplasma genitalium G37	NC_000908.2
Mycoplasma gallisepticum isolate R	AE015450.2
Mycoplasma gallinarum DSM 19816	JHZE01000000
Mycoplasma gallinaceum isolate B2096	CP011021.1
Mycoplasma flocculare ATCC 27399	NZ_CP007585.1
Mycoplasma fermentans M64	NC_014921.1
Mycoplasma feriruminatoris isolate G5847	ANFU01000000

Name	NCBI/GenBank accession number
Mycoplasma felis ATCC 23391	JNKA01000000
Mycoplasma felifaucium ATCC 43428	JHXS01000000
Mycoplasma elephantis ATCC 51980	JHXU01000000
Mycoplasma cynos C142	NC_019949.1
Mycoplasma crocodyli MP145	NC_014014.1
Mycoplasma cricetuli ATCC 35279	JAHB01000000
Mycoplasma conjunctivae HRC/581T	NC_012806.1
Mycoplasma columborale ATCC 29258	JNJZ01000000
Mycoplasma columbinum ATCC 29257	JONY01000000
Mycoplasma collis ATCC 35278	JNJY01000000
Mycoplasma cloacale ATCC 35276	JNJL01000000
Mycoplasma capricolum subsp. capricolum ATCC 27343	NC_007633.1
Mycoplasma canis PG 14	NZ_CP014281.1
Mycoplasma canadense	NZ_AP014631.1
Mycoplasma californicum isolate ST-6	NZ_CP007521.1
Mycoplasma buteonis isolate ATCC 51371	JPOK01000000
Mycoplasma bovoculi M165/69	NZ_CP007154.1
Mycoplasma bovis PG45	NC_014760.1
Mycoplasma bovirhinis isolate GS01	NZ_CP024049.1
Mycoplasma bovigenitalium 51080	AORH01000000
Mycoplasma auris 15026	AORI01000000
Mycoplasma arthritis 158L3-1	NC_011025.1
Mycoplasma arginini	NZ_AP014657.1

Name	NCBI/GenBank accession number
Mycoplasma anseris ATCC 49234	JNJX01000000
Mycoplasma anatis 1340	AFVJ01000000
Mycoplasma alvi ATCC 29626	JNJU01000000
Mycoplasma alligatoris A21JP2	ADNC01000000
Mycoplasma alkalescens 14918	AMWK01000000
Mycoplasma agassizii isolate ATCC 700616	FWXE01000000
Mycoplasma agalactiae PG2	NC_009497.1
